Summary of variance estimates for PPI price changes, 2022

Variance is a measure of the uncertainty caused by the use of a sample of producer prices instead of the complete universe of producer prices. The most commonly used measure of variability is the standard error of the estimate—the square root of the variance. The standard error of the percent change in the Producer Price Index (PPI) can be used to construct confidence intervals and to determine whether the percent change for a particular PPI series is significantly different from zero.

For example, the 1-month median absolute percent change for the final demand index in 2022 was 0.66 percent, and the 1-month median standard error (SE) was 0.16 percent. (See table 1 of the 2022 PPI variance data release.) Margins of error for a point estimate are commonly expressed as plus and minus two standard errors. The margin of error for the 1-month final demand index in 2022 is approximately 0.66 percent plus and minus 0.32 percent (2 x 0.16 percent). Therefore, in a typical 1-month period in 2022, the percent change in the final demand index was probably somewhere between 0.34 percent and 0.98 percent. On a 12-month basis in 2022, the median absolute percent change for the final demand index was 9.89 percent, and the median SE was 0.37 percent. Margins of error for the 12-month period can be calculated in the same way as for the 1-month period.

Table 1 provides variance estimates for 1-month and 12-month percent changes for the Producer Price Index Final Demand-Intermediate Demand Indexes.

Table 2 provides variance estimates for selected 1-month and 12-month percent changes for the Producer Price Index commodity-based indexes.

Table 3 provides variance estimates for selected 1-month and 12-month percent changes for the Producer Price Index industry-based indexes.

Producer Price Index U.S. Bureau of Labor Statistics July 2023

Index Final Demand	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Final demand	FD4	0.66	0.16	9.89	0.37
Final demand goods	FD41	1.84	0.12	13.98	0.30
Final demand foods	FD411	1.00	0.25	13.79	0.84
Finished consumer foods	FD4111	1.28	0.26	14.03	0.84
Finished consumer foods, processed	FD41112	0.92	0.29	11.52	0.94
Finished consumer foods, crude	FD41113	5.74	0.00	43.04	0.00
Government purchased foods	FD4112	0.80	0.32	10.47	1.11
Foods for export	FD4113	2.14	0.22	12.84	0.79
Final demand energy	FD412	6.49	0.49	32.17	0.97
Finished consumer energy goods Covernment purchased energy	FD4121	6.11 7.47	0.51	29.87	0.93
Government purchased energy	FD4122 FD4123	7.47	1.37	43.11	1.38 6.08
Energy for export Final demand goods less foods and energy	FD4123	0.33	0.07	53.98 8.87	0.08
Finished goods less foods and energy	FD4131	0.55	0.07	8.31	0.29
Finished consumer goods less foods and energy	FD41311	0.54	0.07	7.84	0.43
Nondurable consumer goods less foods and energy	FD413111	0.62	0.03	8.18	0.43
Durable consumer goods	FD413112	0.54	0.11	7.95	0.39
Private capital equipment	FD41312	0.64	0.08	8.85	0.34
Private capital equipment for manufacturing industries	FD413121	0.66	0.14	11.41	0.65
Private capital equipment for nonmanufacturing industries	FD413122	0.58	0.08	8.25	0.33
Government purchased goods, excluding foods and energy	FD4132	0.49	0.13	9.88	0.48
Government purchased goods excluding foods, energy, and capital equipment	FD41321	0.61	0.19	13.49	0.57
Government purchased capital equipment	FD41322	0.25	0.07	5.01	0.69
Goods for export, excluding foods and energy	FD4133	0.56	0.14	8.46	0.48
Final demand services	FD42	0.28	0.23	7.33	0.56
Final demand services less trade, transportation, and warehousing	FD421	0.30	0.19	2.92	0.43
Finished services less trade, transportation, and warehousing	FD4211	0.25	0.19	3.05	0.44
Finished consumer services less trade, transportation, and warehousing	FD42111	0.24	0.20	2.53	0.48
Private capital investment services less trade, transportation, and warehousing	FD42112	0.36	0.27	7.51	0.96
Government purchased services less trade, transportation, and warehousing	FD4212	0.19	0.18	2.21	0.52
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment	FD42121	0.23	0.19	2.34	0.52
Government purchased capital investment services less trade, transportation, and warehousing	FD42122 FD4213	0.50 0.57	0.37	1.12 2.12	1.46 0.95
Services for export less trade, transportation, and warehousing Final demand transportation and warehousing services	FD4213	1.25	0.52	17.39	1.57
Transportation of passengers for final demand	FD4221	4.29	1.22	19.56	2.25
Transportation of private passengers	FD42211	4.28	1.22	19.50	2.24
Transportation of government passengers	FD42212	4.24	1.21	19.30	2.21
Transportation of passengers for export	FD42213	4.34	1.23	19.80	2.28
Transportation and warehousing of goods for final demand	FD4222	1.41	0.73	16.92	1.96
Transportation and warehousing of finished goods	FD42221	1.46	0.78	17.28	2.09
Transportation and warehousing of personal consumption goods	FD422211	1.44	0.77	17.11	2.05
Transportation and warehousing of private capital equipment	FD422212	1.53	0.83	18.03	2.26
Transportation and warehousing of government purchased goods	FD42222	1.02	0.63	15.84	1.73
Transportation and warehousing of exports	FD42223	1.39	0.64	16.34	1.72
Final demand trade services	FD423	0.56	0.61	14.28	1.60
Trade of finished goods	FD4231	0.57	0.59	14.02	1.56
Trade of personal consumption goods	FD42311	0.79	0.55	12.74	1.42
Trade of private capital equipment	FD42312	0.89	1.67	19.36	4.23
Trade of government purchased goods	FD4232	0.81	1.04	16.50	2.86
Trade of government purchased goods, excluding capital equipment	FD42321	1.04	0.83	13.82	2.13
Trade of government purchased capital equipment	FD42322	1.36	2.36	20.91	6.17
Trade of exports	FD4233	0.71	1.06	14.71	2.46
Final demand construction Construction for private capital investment	FD43 FD431	0.56 0.59	0.13	18.92 20.40	0.87 0.90
Construction for private capital investment Construction for government	FD431 FD432	0.59	0.13	16.07	1.50
Final demand less exports	FD432 FD49101	0.46	0.23	9.66	0.38
Final demand less government	FD49101	0.67	0.17	9.66	0.38
Final demand less government Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy	FD49103	0.33	0.17	8.08	0.43
	. = .0.00	0.00	5.10	5.50	5. 15

absolute percent changes and median 1-month and 12-month standard errors of		go, _c.		ı	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Final demand less foods and food and nonalcoholic beverages for immediate consumption	FD49105	0.65	0.17	9.83	0.41
Final demand less foods	FD49106	0.61	0.17	9.64	0.39
Final demand less energy	FD49107	0.36	0.16	8.32	0.39
Final demand less trade services	FD49108	0.76	0.11	8.84	0.27
Final demand less distributive services	FD49109	0.78	0.11	8.45	0.26
Final demand goods less energy	FD49111	0.59	0.08	9.90	0.28
Final demand goods less foods	FD49112	1.97	0.12	14.06	0.30
Final demand services less trade services	FD49113	0.19	0.18	4.53	0.43
Final demand distributive services	FD49114	0.55	0.56	14.81	1.42
Final demand goods plus final demand distributive services	FD49115	1.20	0.24	14.41	0.59
Final demand less foods, energy, and trade services	FD49116	0.33	0.12	6.14	0.29
Private and government purchased capital equipment	FD49117	0.62	0.09	8.28	0.34
Private and government purchased capital investment services	FD49118	0.53	0.87	13.48	2.01
Total private and government purchased capital investment	FD49119	0.54	0.43	11.98	0.95
Total finished	FD49201	0.61	0.17	9.36	0.40
Total finished less foods, food & nonalcoholic beverages for immediate consumption, & energy	FD49202	0.42	0.18	7.81	0.45
Total finished less foods and energy	FD49203	0.42	0.19	7.69	0.44
Total finished less foods and food and nonalcoholic beverages for immediate consumption	FD49204	0.60	0.18	9.20	0.42
Total finished less foods	FD49205	0.60	0.18	9.06	0.42
Total finished less energy	FD49206	0.41	0.18	8.07	0.42
Finished goods	FD49207	1.87	0.14	13.26	0.34
Finished goods less energy	FD49208	0.85	0.09	9.92	0.35
Finished goods, excluding foods	FD49209	2.20	0.16	13.20	0.36
Finished services	FD49210	0.33	0.23	7.14	0.56
Private capital investment services	FD49211	0.52	0.83	13.39	1.89
Finished distributive services	FD49212	0.60	0.54	14.61	1.42
Finished services less trade services	FD49213	0.16	0.18	4.29	0.43
Finished services less distributive services	FD49214	0.19	0.19	3.57	0.44
Total private capital investment (goods, services, and construction)	FD49215	0.56	0.43	12.19	0.96
Finished goods plus finished distributive services	FD49216	1.00	0.27	14.30	0.68
Total exports	FD49301	0.72	0.20	10.96	0.49
Goods for export	FD49302	0.90	0.15	11.80	0.49
Services for export	FD49303	0.55	0.46	9.74	1.00
Total government purchases	FD49401	1.50	0.18	12.13	0.43
Government purchased goods Government purchased services	FD49402	2.44	0.28	17.31	0.50
'	FD49403 FD49404	0.30 0.70	0.29	6.58 10.78	0.72 1.05
Total government purchased capital investment (goods, services, and construction)		1.28	0.39	10.76	1.03
Government purchases, defense Government purchases, nondefense	FD49405 FD49406	1.12	0.35		
•	FD49400 FD49501	0.75	0.17	8.78	0.39
Personal consumption Personal consumption goods (finished consumer goods)	FD49501 FD49502	2.40	0.17	15.33	0.39
Personal consumption goods (initiated consumer goods)	FD49503	0.98	0.13	10.47	0.45
Personal consumption goods less foods	FD49504	2.95	0.13	16.14	0.43
Personal consumption services	FD49505	0.33	0.24	6.29	
Personal consumption less trade services	FD49506	0.82	0.22	7.68	
Personal consumption less distributive services	FD49507	0.83	0.15	7.32	0.34
Personal consumption nondurable goods less foods	FD49508	3.60	0.29	18.42	
Personal consumption goods plus personal consumption distributive services	FD49509	1.29	0.26	14.77	0.71
Personal consumption less foods and energy	FD49510	0.36	0.19	6.50	
Personal consumption less foods, energy, and trade services	FD49511	0.20	0.16	4.49	
Personal consumption less foods, energy, and distributive services	FD49512	0.18	0.16	3.97	0.39
Intermediate Demand by Commodity Type	IDO			45.11	
Processed goods for intermediate demand	ID61	1.97	0.26	19.41	0.67
Injuriorials and components for manufacturing	ID611	1.08	0.29	11.98	
Materials and components for manufacturing		1.50	0.43	12.46	1.59
Materials for manufacturing	ID6111		^	15 70	4
Materials for manufacturing Materials for food manufacturing	ID61111	0.87	0.41	15.76	
Materials for manufacturing			0.41 0.53 0.75	15.76 14.20 13.22	

absolute percent changes and median 1-month and 12-month standard errors of	the percent o	ago, 			
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Components for nondurable manufacturing	ID61121	0.68	0.33	15.39	1.51
Components for durable manufacturing	ID61122	0.00	0.12	10.83	0.47
Materials and components for construction	ID612	0.47	0.12	14.99	0.72
Materials for construction	ID6121	0.76	0.10	12.09	0.72
Components for construction	ID6121	0.70	0.29	20.96	1.15
Processed fuels and lubricants for intermediate demand	ID613	5.31	1.08	36.37	1.13
	ID6131	3.62	0.94	28.75	1.92
Processed fuels and lubricants to manufacturing industries	ID6131		1.30	39.39	2.45
Processed fuels and lubricants to nonmanufacturing industries		5.81	0.36		
Containers for intermediate demand	ID614	0.68		19.04	1.25
Supplies for intermediate demand	ID615	0.49	0.13	12.90	0.41
Supplies to manufacturing industries	ID6151	0.58	0.20	12.68	0.79
Supplies to nonmanufacturing industries	ID6152	0.50	0.15	12.93	0.46
Supplies to nonmanufacturing industries, feeds	ID61521	1.09	0.71	14.09	2.58
Supplies to nonmanufacturing industries, other than feeds	ID61522	0.47	0.13	12.87	0.49
Unprocessed goods for intermediate demand	ID62	4.45	0.82	34.95	1.81
Unprocessed foodstuffs and feedstuffs	ID621	2.83	0.00	27.63	0.00
Unprocessed nonfood materials	ID622	6.65	1.21	38.51	2.81
Unprocessed nonfood materials except fuel	ID6221	4.49	0.57	23.55	1.33
Unprocessed nonfood materials except fuel to manufacturing industries	ID62211	4.64	0.58	24.20	1.38
Unprocessed nonfood materials except fuel to nonmanufacturing industries	ID62212	0.70	0.36	10.75	1.40
Unprocessed fuel	ID6222	18.55	2.95	73.71	9.52
Unprocessed fuel to manufacturing industries	ID62221	7.18	2.27	52.34	21.21
Unprocessed fuel to nonmanufacturing industries	ID62222	18.94	3.01	75.25	9.52
Services for intermediate demand	ID63	0.39	0.24	6.79	0.64
Services less trade, transportation, and warehousing for intermediate demand	ID631	0.38	0.24	4.19	0.63
Services less trade, transportation, and warehousing for manufacturing industries	ID6311	0.38	0.21	6.13	0.74
Services less trade, transportation, and warehousing for nonmanufacturing industries	ID6312	0.38	0.25	4.13	0.65
Transportation and warehousing services for intermediate demand	ID632	0.83	0.52	13.42	2.53
Transportation of passengers for intermediate demand	ID6321	4.24	1.20	19.27	2.21
Transportation of passengers for manufacturing industries	ID63211	4.33	1.23	19.78	2.28
Transportation of passengers for nonmanufacturing industries	ID63212	4.23	1.20	19.21	2.20
Transportation and warehousing of goods for intermediate demand	ID6322	0.56	0.55	12.59	2.66
Transportation of goods for manufacturing industries	ID63221	1.00	0.50	15.33	1.38
Transportation of goods for nonmanufacturing industries	ID63222	0.80	0.64	11.49	3.03
Trade services for intermediate demand	ID633	0.95	0.79	11.16	2.16
Trade services for manufacturing industries	ID6331	0.72	0.94	11.67	2.76
Trade services for nonmanufacturing industries	ID6332	0.86	0.80	10.92	1.83
Construction for intermediate demand	ID64	0.87	0.77	11.38	6.32
Processed materials less foods and feeds	ID69111	1.98	0.28	19.79	0.69
Processed foods and feeds	ID69112	0.69	0.28	14.24	1.31
Processed nergy goods	ID69113	5.31	1.08	36.37	1.94
	ID69115	0.75	0.20	12.68	0.72
Processed materials less foods and energy Intermediate distributive services					
	ID69116	0.75	0.57	11.65	1.65
Processed goods plus intermediate distributive services	ID69117	1.53	0.26	17.24	0.71
Processed materials less energy	ID69118	0.72	0.19	12.83	0.68
Unprocessed materials less agricultural products	ID69211	7.02	1.37	41.15	3.33
Unprocessed energy materials	ID69212	10.12	1.80	61.03	5.18
Unprocessed materials less energy	ID69213	2.26	0.22	17.54	0.73
Nonfood materials ex. fuel for mfg, ex. selected items	ID69215	4.73	0.59	23.87	1.41
Unprocessed nonfood materials less energy	ID69216	1.90	0.59	7.64	1.79
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Intermediate Demand by Production Flow					
Intermediate Demand by Production Flow Stage 4 intermediate demand	ID54	0.57	0.17	9.80	0.44
-	ID54 ID541	0.57 0.56	0.17 0.25	9.80 12.50	0.44
Stage 4 intermediate demand					
Stage 4 intermediate demand Inputs to stage 4 goods producers	ID541	0.56	0.25	12.50	0.68
Stage 4 intermediate demand Inputs to stage 4 goods producers Inputs to stage 4 goods producers, goods Inputs to stage 4 goods producers, foods	ID541 ID5411	0.56 0.52	0.25 0.13	12.50 12.84	0.68 0.55
Stage 4 intermediate demand Inputs to stage 4 goods producers Inputs to stage 4 goods producers, goods Inputs to stage 4 goods producers, foods Inputs to stage 4 goods producers, energy	ID541 ID5411 ID54111 ID54112	0.56 0.52 1.69	0.25 0.13 0.22 1.50	12.50 12.84 16.62 31.39	0.68 0.55 0.76
Stage 4 intermediate demand Inputs to stage 4 goods producers Inputs to stage 4 goods producers, goods Inputs to stage 4 goods producers, foods	ID541 ID5411 ID54111	0.56 0.52 1.69 5.06	0.25 0.13 0.22	12.50 12.84 16.62	0.68 0.55 0.76 3.60

absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2022							
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error		
Inputs to stage 4 goods producers, transportation and warehousing services	ID54122	0.60	0.37	13.43	0.87		
Inputs to stage 4 goods producers, transportation of passengers	ID541221	4.34	1.23	19.80	2.28		
Inputs to stage 4 goods producers, transportation and warehousing of goods	ID541222	0.73	0.41	12.16	0.94		
Inputs to stage 4 goods producers, trade services	ID54123	0.99	0.98	12.65	2.76		
Inputs to stage 4 services producers	ID542	0.56	0.21	7.06	0.49		
Inputs to stage 4 services producers, goods	ID5421	1.14	0.26	14.17	0.63		
Inputs to stage 4 services producers, foods	ID54211	1.32	0.41	10.25	1.41		
Inputs to stage 4 services producers, energy	ID54212	3.11	0.81	21.36	1.79		
Inputs to stage 4 services producers, goods excluding foods and energy	ID54213	0.56	0.11	10.84	0.66		
Inputs to stage 4 services producers, services	ID5422	0.25	0.28	5.28	0.62		
Inputs to stage 4 services producers, services less trade, transportation, and warehousing	ID54221	0.48	0.32	3.15	0.72		
Inputs to stage 4 services producers, transportation and warehousing services	ID54222	1.26	0.67	12.99	1.87		
Inputs to stage 4 services producers, transportation of passengers	ID542221	4.31	1.22	19.63	2.26		
Inputs to stage 4 services producers, transportation and warehousing of goods	ID542222	0.83	0.76	11.03	2.12		
Inputs to stage 4 services producers, trade services	ID54223	0.83	0.78	13.44	2.18		
Inputs to stage 4 services producers, construction	ID5423	0.87	0.77	11.38	6.32		
Inputs to stage 4 construction producers	ID543	1.21	0.22	15.43	0.78		
Inputs to stage 4 construction producers, goods	ID5431	1.34	0.19	18.14	0.68		
Inputs to stage 4 construction producers, energy	ID54312	11.69	1.06	52.54	1.93		
Inputs to stage 4 construction producers, goods excluding foods and energy	ID54313	0.45	0.17	14.24	0.74		
Inputs to stage 4 construction producers, services	ID5432	1.03	0.67	8.84	1.79		
Inputs to stage 4 construction producers, services less trade, transportation, and warehousing	ID54321	0.26	0.19	5.30	1.40		
Inputs to stage 4 construction producers, transportation and warehousing services	ID54322	1.35	0.74	16.80	2.01		
Inputs to stage 4 construction producers, transportation of passengers	ID543221	4.33	1.23	19.74	2.27		
Inputs to stage 4 construction producers, transportation and warehousing of goods	ID543222	1.40	0.76	16.84	2.06		
Inputs to stage 4 construction producers, trade services	ID54323	1.70	1.28	8.25	3.44		
Stage 3 intermediate demand	ID53	1.72	0.22	16.46	0.69		
Inputs to stage 3 goods producers	ID531	1.67	0.28	18.24	0.95		
Inputs to stage 3 goods producers, goods	ID5311	1.99	0.28	19.67	1.10		
Inputs to stage 3 goods producers, foods	ID53111	2.97	0.04	30.90	0.15		
Inputs to stage 3 goods producers, energy	ID53112	6.32	2.23	45.18	4.76		
Inputs to stage 3 goods producers, goods excluding foods and energy	ID53113	1.23	0.39	12.75	1.57		
Inputs to stage 3 goods producers, services	ID5312	0.76	0.82	12.46	2.33		
Inputs to stage 3 goods producers, services less trade, transportation, and warehousing	ID53121	0.48	0.25	7.75	1.20		
Inputs to stage 3 goods producers, transportation and warehousing services	ID53122	1.01	0.60	16.23	1.60		
Inputs to stage 3 goods producers, transportation of passengers	ID531221	4.33	1.23	19.78	2.28		
Inputs to stage 3 goods producers, transportation and warehousing of goods	ID531222	1.14	0.63	16.21	1.68		
Inputs to stage 3 goods producers, trade services	ID53123	1.04	1.34	10.48	3.82		
Inputs to stage 3 services producers	ID532	1.60	0.31	12.21	1.01		
Inputs to stage 3 services producers, goods	ID5321	6.40	0.77	35.00	0.92		
Inputs to stage 3 services producers, foods	ID53211	1.30	0.67	11.36	2.33		
Inputs to stage 3 services producers, energy	ID53212	9.19	1.16	51.05	1.54		
Inputs to stage 3 services producers, goods excluding foods and energy	ID53213	0.51	0.19	12.95	0.78		
Inputs to stage 3 services producers, services	ID5322	0.45	0.32	6.42	1.19		
Inputs to stage 3 services producers, services less trade, transportation, and warehousing	ID53221	0.33	0.26	4.30	0.98		
Inputs to stage 3 services producers, transportation and warehousing services	ID53222	0.97	0.81	9.28	3.73		
Inputs to stage 3 services producers, transportation of passengers	ID532221	0.23	0.05	2.70	0.71		
Inputs to stage 3 services producers, transportation and warehousing of goods	ID532222	0.97	0.81	9.29	3.74		
Inputs to stage 3 services producers, trade services			0.92	14.31	2.39		
	ID53223	0.78					
	ID53223 ID5323	0.78	0.77	11.38	6.32		
Inputs to stage 3 services producers, construction			0.77 1.05	11.38 7.11	6.32 2.08		
Inputs to stage 3 services producers, construction Inputs to stage 3 construction producers	ID5323 ID533	0.87		7.11			
Inputs to stage 3 services producers, construction Inputs to stage 3 construction producers Inputs to stage 3 construction producers, goods	ID5323 ID533 ID5331	0.87 2.00 0.79	1.05 0.22	7.11 13.45	2.08 0.87		
Inputs to stage 3 services producers, construction Inputs to stage 3 construction producers Inputs to stage 3 construction producers, goods Inputs to stage 3 construction producers, goods excluding foods and energy	ID5323 ID533 ID5331 ID53313	0.87 2.00 0.79 0.79	1.05 0.22 0.22	7.11 13.45 13.45	2.08 0.87 0.87		
Inputs to stage 3 services producers, construction Inputs to stage 3 construction producers Inputs to stage 3 construction producers, goods Inputs to stage 3 construction producers, goods excluding foods and energy Inputs to stage 3 construction producers, services	ID5323 ID533 ID5331 ID53313 ID5332	0.87 2.00 0.79 0.79 3.18	1.05 0.22 0.22 1.77	7.11 13.45 13.45 5.18	2.08 0.87 0.87 3.36		
Inputs to stage 3 services producers, construction Inputs to stage 3 construction producers Inputs to stage 3 construction producers, goods Inputs to stage 3 construction producers, goods excluding foods and energy Inputs to stage 3 construction producers, services Inputs to stage 3 construction producers, services less trade, transportation, and warehousing	ID5323 ID533 ID5331 ID53313 ID5332 ID53321	0.87 2.00 0.79 0.79 3.18 0.64	1.05 0.22 0.22 1.77 0.53	7.11 13.45 13.45 5.18 8.72	2.08 0.87 0.87 3.36 1.85		
Inputs to stage 3 services producers, construction Inputs to stage 3 construction producers Inputs to stage 3 construction producers, goods Inputs to stage 3 construction producers, goods excluding foods and energy Inputs to stage 3 construction producers, services	ID5323 ID533 ID5331 ID53313 ID5332	0.87 2.00 0.79 0.79 3.18	1.05 0.22 0.22 1.77	7.11 13.45 13.45 5.18	2.08 0.87 0.87 3.36		

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Stage 2 intermediate demand	ID52	2.90	0.45	19.46	0.92
Inputs to stage 2 goods producers	ID521	4.32	0.72	29.24	1.60
Inputs to stage 2 goods producers, goods	ID5211	5.11	0.90	35.50	2.04
Inputs to stage 2 goods producers, foods	ID52111	2.38	0.33	15.06	1.39
Inputs to stage 2 goods producers, energy	ID52112	9.44	1.70	61.13	4.81
Inputs to stage 2 goods producers, goods excluding foods and energy	ID52113	1.19	0.36	11.26	1.06
Inputs to stage 2 goods producers, services	ID5212	0.66	0.43	10.31	1.02
Inputs to stage 2 goods producers, services less trade, transportation, and warehousing	ID52121	0.87	0.27	6.60	0.93
Inputs to stage 2 goods producers, transportation and warehousing services	ID52122	0.53	0.27	9.97	0.99
Inputs to stage 2 goods producers, transportation of passengers	ID521221	4.11	1.16	18.56	2.11
Inputs to stage 2 goods producers, transportation and warehousing of goods	ID521222	0.47	0.28	9.32	1.03
Inputs to stage 2 goods producers, trade services	ID52123	0.70	0.86	11.79	2.10
Inputs to stage 2 goods producers, construction	ID5213	0.87	0.77	11.38	6.32
Inputs to stage 2 services producers	ID522	0.49	0.28	8.25	1.07
Inputs to stage 2 services producers, goods	ID5221	1.18	0.28	16.47	0.68
Inputs to stage 2 services producers, foods	ID52211	0.79	0.53	15.06	2.91
Inputs to stage 2 services producers, energy	ID52212	4.50	2.29	49.29	6.18
Inputs to stage 2 services producers, goods excluding foods and energy	ID52213	0.62	0.21	13.62	0.65
Inputs to stage 2 services producers, services	ID5222	0.49	0.35	7.15	1.22
Inputs to stage 2 services producers, services less trade, transportation, and warehousing	ID52221	0.52	0.29	4.82	0.77
Inputs to stage 2 services producers, transportation and warehousing services	ID52222	1.48	2.03	10.34	9.31
Inputs to stage 2 services producers, transportation of passengers	ID522221	4.30	1.22	19.59	2.25
Inputs to stage 2 services producers, transportation and warehousing of goods	ID522222	1.49	2.37	10.64	10.39
Inputs to stage 2 services producers, trade services	ID52223	2.34	1.97	17.54	4.63
Inputs to stage 2 services producers, construction	ID5223	0.87	0.77	11.38	6.32
Stage 1 intermediate demand	ID51	1.30	0.25	13.72	0.63
Inputs to stage 1 goods producers	ID511	1.40	0.37	15.20	1.17
Inputs to stage 1 goods producers, goods	ID5111	1.69	0.43	17.85	1.45
Inputs to stage 1 goods producers, foods	ID51111	2.11	0.41	16.89	1.44
Inputs to stage 1 goods producers, energy	ID51112	2.30	2.02	34.97	5.07
Inputs to stage 1 goods producers, goods excluding foods and energy	ID51113	1.74	0.44	13.40	1.56
Inputs to stage 1 goods producers, services	ID5112	0.41	0.90	8.22	2.54
Inputs to stage 1 goods producers, services less trade, transportation, and warehousing	ID51121	0.47	0.36	3.96	1.21
Inputs to stage 1 goods producers, transportation and warehousing services	ID51122	0.77	0.70	19.29	2.30
Inputs to stage 1 goods producers, transportation of passengers	ID511221	4.34	1.23	19.80	2.28
Inputs to stage 1 goods producers, transportation and warehousing of goods	ID511222	0.69	0.79	17.94	2.68
Inputs to stage 1 goods producers, trade services	ID51123	0.91	1.37	9.27	3.93
Inputs to stage 1 goods producers, construction	ID5113	0.87	0.77	11.38	6.32
Inputs to stage 1 services producers	ID512	1.24	0.27	11.40	0.59
Inputs to stage 1 services producers, goods	ID5121	2.89	0.42	21.49	0.60
Inputs to stage 1 services producers, foods	ID51211	4.51	2.92	98.48	38.27
Inputs to stage 1 services producers, energy	ID51212	6.58	1.11	36.81	1.55
Inputs to stage 1 services producers, goods excluding foods and energy	ID51213	0.68	0.12	14.36	0.56
Inputs to stage 1 services producers, services	ID5122	0.64	0.32	6.75	0.75
Inputs to stage 1 services producers, services less trade, transportation, and warehousing	ID51221	0.38	0.41	4.34	0.91
Inputs to stage 1 services producers, transportation and warehousing services	ID51222	1.20	0.47	15.12	1.12
Inputs to stage 1 services producers, transportation of passengers	ID512221	4.34	1.23	19.79	2.28
Inputs to stage 1 services producers, transportation and warehousing of goods	ID512222	0.74	0.32	12.85	1.25
Inputs to stage 1 services producers, trade services	ID51223	0.94	0.75	15.05	2.09
Inputs to stage 1 services producers, construction	ID5123	0.87	0.77	11.38	6.32
Inputs to stage 1 construction producers	ID513	1.40	0.53	14.61	1.14
Inputs to stage 1 construction producers, goods	ID5131	1.82	0.27	21.09	0.68
Inputs to stage 1 construction producers, energy	ID51312	10.38	1.61	56.40	2.42
Inputs to stage 1 construction producers, goods excluding foods and energy	ID51313	0.66	0.17	15.19	0.71
Inputs to stage 1 construction producers, services	ID5132	2.77	1.44	5.85	2.84
Involve to at any discontinuities and the state of the st			0.55	6.58	1.20
Inputs to stage 1 construction producers, services less trade, transportation, and warehousing	ID51321	0.48			
Inputs to stage 1 construction producers, services less trade, transportation, and warehousing Inputs to stage 1 construction producers, transportation and warehousing services Inputs to stage 1 construction producers, transportation and warehousing of goods	ID51321 ID51322 ID513222	1.69	0.92	19.33 19.33	2.55 2.55

Table 1. Variance estimates for Producer Price Index Final Demand-Intermediate Demand indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change. 2022

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Total goods inputs to stage 4 intermediate demand	ID59411	1.12	0.13	14.53	0.41
Total services inputs to stage 4 intermediate demand	ID59412	0.45	0.31	6.15	0.71
Total construction inputs to stage 4 intermediate demand	ID59413	0.87	0.77	11.38	6.32
Total foods inputs to stage 4 intermediate demand	ID59414	1.53	0.27	13.84	0.92
Total energy goods inputs to stage 4 intermediate demand	ID59415	4.13	0.72	25.03	1.57
Total goods less foods and energy inputs to stage 4 intermediate demand	ID59416	0.28	0.11	12.18	0.45
Total goods inputs to stage 3 intermediate demand	ID59311	2.90	0.32	25.81	0.91
Total services inputs to stage 3 intermediate demand	ID59312	0.39	0.31	7.15	0.97
Total construction inputs to stage 3 intermediate demand	ID59313	0.87	0.77	11.38	6.32
Total foods inputs to stage 3 intermediate demand	ID59314	2.94	0.04	30.74	0.17
Total energy goods inputs to stage 3 intermediate demand	ID59315	8.76	1.26	49.47	1.95
Total goods less foods and energy inputs to stage 3 intermediate demand	ID59316	1.10	0.34	12.72	1.33
Total goods inputs to stage 2 intermediate demand	ID59211	4.66	0.81	33.45	1.83
Total services inputs to stage 2 intermediate demand	ID59212	0.58	0.31	7.88	1.04
Total construction inputs to stage 2 intermediate demand	ID59213	0.87	0.77	11.38	6.32
Total foods inputs to stage 2 intermediate demand	ID59214	2.36	0.33	15.00	1.38
Total energy goods inputs to stage 2 intermediate demand	ID59215	9.26	1.67	60.91	4.70
Total goods less foods and energy inputs to stage 2 intermediate demand	ID59216	1.07	0.31	11.77	0.92
Total goods inputs to stage 1 intermediate demand	ID59111	2.06	0.33	21.03	0.85
Total services inputs to stage 1 intermediate demand	ID59112	0.53	0.38	6.45	0.87
Total construction inputs to stage 1 intermediate demand	ID59117	0.87	0.77	11.38	6.32
Total foods inputs to stage 1 intermediate demand	ID59114	1.95	0.42	17.50	1.46
Total energy goods inputs to stage 1 intermediate demand	ID59115	5.53	1.40	37.96	2.42
Total goods less foods and energy inputs to stage 1 intermediate demand	ID59116	0.83	0.23	14.14	0.81

NOTE: Some indexes in this table, primarily PPIs that include data for agricultural products, to varying degrees are constructed using price information not directly sampled by PPI. Secondary source data, mainly from the U.S. Department of Agriculture, but also other sources, are considered a census of available price information. No sampling variability exists in those percent change estimates, so the standard error values are zero. The FD-ID index for Unprocessed Foodstuffs and Feedstuffs is constructed almost exclusively from non-sampled price data, and at certain levels of aggregation, other FD-ID indexes include both sampled and non-sampled data. For more information, refer to the section titled "PPI Sampling" in the methodology paper that accompanies this year's PPI variance publication.

Index Goods	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Farm products	01	2.81	0.00	26.20	0.00
Fruits & melons, fresh/dry vegs. & nuts	011	5.91	0.00	28.78	0.00
Fresh fruits and melons	0111	3.69	0.00	18.01	0.00
Citrus fruits	011101	6.00	0.00	14.10	0.00
Other fruits and berries	011102	4.81	0.00	14.91	0.00
Fresh and dry vegetables	0113	11.01	0.00	45.40	0.00
Dry vegetables	011301	2.06	0.00	31.42	0.00
Fresh vegetables, except potatoes	011302	16.06	0.00	42.65	0.00
Sweet potatoes	011303	0.92	0.00	5.46	0.00
Potatoes	011306	7.53	0.00	51.64	0.00
Tree nuts	0119	0.42	0.00	14.15	0.00
Tree nuts	011901	0.42	0.00	14.15	0.00
Grains	012	3.01	0.00	21.06	0.00
Wheat	0121	3.95	0.00	29.99	0.00
Wheat Other grains	012101 0122	3.95 3.91	0.00	29.99 17.10	0.00
Barley	012201	1.43	0.00	52.70	0.00
Corn	012201	4.05	0.00	16.75	0.00
Oats	012203	5.11	0.00	67.33	0.00
Sorghum	012205	4.01	0.00	15.52	0.00
Rough rice	0123	2.74	0.00	20.81	0.00
Rough rice	012301	2.74	0.00	20.81	0.00
Livestock	013	1.84	0.00	12.65	0.00
Slaughter cattle	0131	1.45	0.00	17.12	0.00
Slaughter steers and heifers	013101	1.55	0.00	16.63	0.00
Slaughter cows and bulls	013102	8.24	0.00	16.57	0.00
Slaughter vealers	013103	1.14	0.00	26.22	0.00
Slaughter hogs	0132	5.75	0.00	10.55	0.00
Slaughter barrows and gilts	013201	6.03	0.00	11.46	0.00
Slaughter sows	013202	21.00	0.00	14.16	0.00
Slaughter lambs	0133	7.91	0.00	32.61	0.00
Slaughter lambs	013301	7.91	0.00	32.61	0.00
Feeder and replacement cattle	0134 013401	2.01	0.00		
Feeder and replacement cattle Slaughter poultry	013401	4.65	0.00	51.62	0.00
Slaughter chickens	0141	6.55	0.00	59.42	0.00
Broilers and other meat type chickens	014102	6.55	0.00	59.42	0.00
Slaughter turkeys	0142	2.15	0.00	22.86	0.00
Slaughter turkeys	014201	2.15	0.00	22.86	0.00
Slaughter ducks	0143	0.00	0.00	5.83	0.00
Slaughter ducks	014301	0.00	0.00	5.83	0.00
Raw cotton	015	4.73	0.00	34.64	0.00
Raw cotton	0151	4.73	0.00	34.64	0.00
Raw cotton	015101	4.73	0.00	34.64	0.00
Raw milk	016	3.99	0.00	40.24	0.00
Raw milk	0161	3.99	0.00	40.24	0.00
Raw milk	016101	3.99	0.00	40.24	0.00
Chicken eggs	017	23.12	0.00	180.18	0.00
Chicken eggs	0171 017107	23.12	0.00	180.18 140.51	0.00
Eggs for fresh use Breaker stock and checks and undergrades	017107	24.17 18.25	0.00	273.37	0.00
Hay, hayseeds, and oilseeds	017 108	4.27	0.00	16.81	0.00
Hay and hayseeds	0181	8.52	0.00	38.45	0.00
Hay and hayseeds	018101	8.52	0.00	38.45	0.00
Oilseeds	0183	5.93	0.00	13.61	0.00
Oilseeds	018301	5.93	0.00	13.61	0.00
Processed foods and feeds	02	0.74	0.27	11.77	0.94
Cereal and bakery products	021	1.18	0.30	15.51	1.13

percent changes and median 1-month and 12-month standard errors of the per	cent change, 20)22		Т	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Bakery products	0211	0.90	0.38	12.09	1.01
Bread (white, wheat, rye, etc.), including frozen	021102	0.92	0.57	12.35	1.45
Rolls (bread-type), muffins, bagels, and croissants	021105	1.19	0.91	12.76	2.53
Other sweet goods, excluding frozen	021107	0.81	0.62	15.29	3.33
Soft cakes, excluding frozen	021108	0.58	0.56	15.81	2.39
Cookies, crackers, and related products	021121	0.14	0.17	7.10	1.68
Retail bakery products, excluding retail trade	021130	0.87	0.91	14.25	3.84
Flour and flour base mixes and doughs	0212	1.47	0.68	19.60	2.88
Wheat flour	021203	2.69	1.05	24.78	4.40
Flour base mixes and doughs	021204	0.95	0.59	20.02	3.96
Milled rice and byproducts	0213	1.63	0.39	17.27	2.06
Head rice	021301	1.69	0.50	18.79	2.58
Milled rice (incl second heads, screenings, brewers, bran, sharps, rice flour, and byproducts)	021302	1.08	0.61	10.17	1.50
Cereal and pasta products	0214	0.78	0.55	15.72	2.53
Dry macaroni, spaghetti, and egg noodle products, made from purchased flour	021402	1.33	1.46	27.88	5.35
Cereal and mill products, other than flour	021409	0.74	0.52	12.46	2.28
Meats, poultry, and fish	022	0.99	0.86	5.55	2.74
Meats	0221	1.04	0.93	7.61	2.60
Beef and veal products, fresh or frozen	022101	3.22	1.77	15.84	5.06
Lamb/mutton, fresh or frozen, not canned or made into sausage, made in slaughtering plants	022103	1.02	1.21	10.66	6.00
Pork products, fresh, frozen, or processed, except sausage	022104	2.33	1.63	4.39	3.43
Other meats, fresh, frozen, or canned	022105	1.07	0.92	6.67	2.15
Processed poultry	0222	3.61	1.94	23.24	7.16
Young chickens, including bulk, chilled, frozen, whole, and in parts	022203	3.57	1.82	20.08	6.31
Turkeys, including frozen, whole, and in parts	022206	1.70	1.17	44.04	26.62
Canned, cooked, smoked or prepared poultry	022208	5.75	4.11	18.96	20.45
Chicken hens and other poultry/small game	022209	1.05	2.10	9.74	10.24
Unprocessed and prepared seafood	0223	1.75	0.50	12.34	1.90
Unprocessed finfish	022301	12.28	0.00	25.08	0.00
Canned seafood (including soups, stews, and chowders)	022304	0.37	2.09	1.58	10.61
Unprocessed shellfish	022305	4.75	0.00	6.04	0.00
Prepared fresh and frozen seafood	022306	0.62	0.91	14.88	3.13
Dairy products	023	1.09	0.31	19.37	1.25
Fluid milk products	0231	1.50	0.26	21.39	1.36
Packaged fluid milk and related products	023103	1.91	0.17	20.75	0.99
Cottage cheese	023104	1.14	0.41	15.79	3.11
Other milk products	023105	0.58	0.17	12.31	2.82
Bulk fluid milk and cream	023106	1.53	0.63	38.70	7.10
Butter	0232	2.95	1.52	69.07	2.16
Butter	023201	2.95	1.52	69.07	2.16
Natural, processed, and imitation cheese	0233	1.43	0.61	14.90	1.58
Natural cheese, except cottage cheese	023302	1.77	0.62	13.46	1.66
Processed cheese and related products	023303	2.13	1.45	19.64	4.48
Cheese substitutes and imitations	023304	0.00	0.00	17.29	6.20
Raw liquid whey	023307	4.08	3.36	25.86	15.30
Ice cream and frozen desserts	0234	0.65	0.33	12.25	1.78
Ice cream and frozen desserts	023402	0.65	0.33	12.25	1.78
Dry, condensed, and evaporated milk products	0235	1.49	1.16	14.88	5.94
Dry milk products, including feed grade	023502	1.56	1.16	13.44	4.79
Liquid milk products	023503	1.39	1.68	14.90	13.73
Ice cream mixes and related products	023505	1.09	0.80	24.51	4.19
Processed fruits and vegetables	024	1.04	0.44	13.21	1.61
Canned fruits and juices	0241	0.81	0.63	12.12	2.73
Canned fruits, excluding baby foods	024101	0.78	0.76	16.69	2.12
Canned and fresh fruit juices, nectars, and concentrates	024102	0.58	0.83	9.66	3.97
Frozen fruits, juices and ades	0242	0.34	0.56	12.86	3.98
Frozen fruits	024202	0.54	0.84	13.38	6.44
Canned vegetables and juices	0244	1.56	0.74	18.35	1.72
Canned vegetables and juices	024401	1.56	0.74	18.35	1.72
Frozen vegetables	0245	1.21	0.50	13.11	2.73
· · · · · · · · · · · · · · · · · · ·			2.50		

Index Frozen potato products (French-fried, patties, puffs, etc.)	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Frozen vegetables, other than potato products	024505	0.88	0.51	14.60	2.15
Dried and dehydrated food	0248	1.15	0.94	5.79	5.63
Dried and dehydrated food Dried and dehydrated food	024801	1.15	0.94	5.79	5.63
Sugar and confectionery	025	0.96	0.43	9.33	1.05
Raw cane sugar and sugar cane mill products and byproducts	0252	1.15	1.34	14.95	2.89
Raw cane sugar and sugarcane mill products and byproducts	025201	1.15	1.34	14.95	2.89
Refined sugar products and byproducts	0253	0.49	0.42	6.33	1.35
Refined sugar products and byproducts Refined sugar products and byproducts	025307	0.49	0.42	6.33	1.35
Confectionery materials	0254	1.87	1.51	15.79	3.24
	025401	1.87	1.51	15.79	3.24
Confectionery materials	0255	0.49	0.30	6.92	
Confectionery end products					1.40
Candy and nuts	025503	0.52	0.31	7.10	1.44
Beverages and beverage materials	026	0.74	0.33	8.85	0.79
Alcoholic beverages	0261	0.65	0.42	5.11	1.12
Malt beverages Distilled and bettled liquer, evaluding brandy	026101	0.36	0.27	4.83	1.17
Distilled and bottled liquor, excluding brandy	026102	0.67	1.03	5.75	2.27
Wines, brandy, and brandy spirits	026104	0.14	0.15	4.95	2.61
Soft drinks	0262	0.87	0.43	11.82	1.13
Soft drinks, non-carbonated and bottled water	026206	1.01	0.60	10.74	1.67
Soft drinks, bottle/can, carbonated, all types	026210	0.70	0.49	12.34	1.54
Packaged beverage materials	0263	0.98	0.77	12.53	2.30
Coffee (whole bean, ground, & instant)	026301	0.99	0.85	13.74	2.57
Tea in consumer packages, exc. canned ice tea	026303	0.26	0.24	5.46	1.89
Other beverage materials	0264	0.20	0.25	12.92	2.93
Other beverage materials	026401	0.20	0.25	12.92	2.93
Fats and oils	027	2.62	1.30	24.28	3.57
Shortening, cooking oil, and margarine	0278	3.36	1.45	26.52	3.41
Shortening, cooking oil, and margarine	027801	3.36	1.45	26.52	3.41
Other oilseed processing	027A	1.05	2.40	18.83	10.20
Other oilseed processing	027A01	1.05	2.40	18.83	10.20
Corn oil, crude and refined	027B	3.93	2.62	20.37	10.31
Corn oil, made by wet milling	027B01	3.93	2.62	20.37	10.31
Miscellaneous processed foods	028	1.18	0.56	17.54	3.52
Canned jams, jellies, and preserves	0281	0.04	0.04	13.83	3.39
Canned jams, jellies, and preserves	028101	0.04	0.04	13.83	3.39
Pickles and other pickled products, including horseradish	0282	0.12	0.09	20.69	3.14
Pickles and other pickled products	028201	0.12	0.09	20.69	3.14
Specialty canning	0284	0.75	0.56	24.69	2.48
Specialty canning	028401	0.75	0.56	24.69	2.48
Frozen specialty food	0285	0.98	0.31	14.39	1.42
Frozen specialty food	028501	0.98	0.31	14.39	1.42
Prepared sauces, except tomato	0286	0.61	0.40	8.13	2.07
Prepared sauces, excluding tomato-based sauces and sauces comprised of 20 percent or more meat	028601	0.61	0.40	8.13	2.07
Other miscellaneous processed foods	0289	1.09	0.69	10.92	1.34
Other miscellaneous processed foods	028901	1.09	0.69	10.92	1.34
Prepared animal feeds	029	1.38	0.65	14.16	2.26
Soybean cake, meal, and other byproducts	0292	1.56	2.16	7.25	6.93
Soybean cake, meal, and byproducts	029201	1.56	2.16	7.25	6.93
Formula feeds	0293	0.91	0.56	16.00	2.50
Formula feeds	029301	0.91	0.56	16.00	2.50
Miscellaneous feedstuffs	0294	1.31	0.74	14.81	3.02
Pet food	029402	0.71	0.29	13.84	1.69
Miscellaneous feedstuffs other than pet food	029403	1.45	1.54	19.01	7.43
Toutile products and apparel	03	0.00	0.00	40.70	4.00
Textile products and apparel	03	0.82	0.28	13.73	1.66
Synthetic fibers	031	0.60	0.72	8.72	3.60
Unprocessed filament yarns	0315	0.60	0.72	8.72	3.60
Processed yarns and threads	032	1.99	0.64	27.87	3.89
Yarns	0326	2.04	0.65	28.59	4.00

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Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Spun cotton yarns	032601	2.35	1.03	44.47	11.55
Spun synthetic yarns	032603	2.44	2.09	18.49	16.14
Textured and twisted yarns	032604	0.64	0.81	21.17	2.64
Other spun noncellulosic and natural fiber (excluding cotton and wool) yarns	032607	2.11	0.95	24.46	7.19
Greige fabrics	033	1.22	0.35	16.36	1.43
Greige broadwoven fabrics	0337	0.74	0.28	10.78	1.61
Greige manmade, silk, and other natural fiber (exc cotton/wool) broadwoven fabrics	033703	0.58	0.28	10.82	1.61
Greige knit fabrics	0338	0.41	0.61	10.40	7.31
Weft (circular) knit fabrics, greige goods (excluding hosiery)	033803	0.00	0.00	5.18	2.80
Warp knit fabrics, greige goods (excluding hosiery)	033804	0.65	0.48	19.81	4.26
Tire cord and tire fabric	0339	1.21	0.75		
Tire cord and tire fabrics	033901	1.21	0.75		
Finished fabrics	034	0.63	0.33	14.18	2.23
Finished broadwoven fabrics	0342	0.56	0.76	13.67	6.00
Finished cotton broadwoven fabrics	034201	1.84	1.14	18.81	7.28
Finished manmade, silk, and other natural fiber (exc. cotton and wool) broadwoven fabrics	034203	0.43	0.78	11.68	6.88
Woven and braided narrow fabrics	034203	0.43	0.70	15.53	2.93
Woven and braided narrow labits Woven and braided narrow fabrics	034402	0.69	0.52	15.53	2.93
	034402	0.69	0.32		2.93
Nonwoven fabrics and felts				11.93 11.93	
Nonwoven fabrics and felts	034503	0.45	0.41		2.28
Coated fabrics, not rubberized	0346	0.60	0.39	14.45	4.52
Coated fabrics, not rubberized	034601	0.60	0.39	14.45	4.52
Screen printed textile materials, embroideries, and lace goods	0347	0.51	0.26	12.79	3.18
Screen printed textile and apparel materials and embroideries	034701	0.51	0.27	12.70	3.19
Knit fabrics, finished in knitting mills	0348	1.09	0.41	17.46	
Weft (circular) knit fabrics, knit and finished in the same establishment (excluding hosiery)	034801	0.81	0.51	24.18	5.66
Warp knit goods, knit and finished in the same establishment	034802	1.16	0.55	11.66	2.58
Apparel & other fabricated textile prods	038	0.41	0.35	7.15	1.07
Apparel	0381	0.33	0.19	5.27	1.32
Miscellaneous apparel and accessories	038104	0.39	0.28	8.33	1.67
Women's, girls', and infants' cut and sew apparel	038106	0.06	0.07	1.95	2.11
Men's and boys' cut and sew apparel	038107	0.54	0.43	10.35	3.54
Apparel made in knitting mills	038108	0.06	0.06	4.14	1.14
Textile house furnishings	0382	0.56	0.61	5.58	3.59
Textile house furnishings	038203	0.56	0.61	5.58	3.59
Industrial and other fabricated products	0383	0.47	0.57	9.85	2.06
Industrial and other fabricated products	038303	0.47	0.57	9.85	2.06
Miscellaneous textile products/services	039	2.30	1.74	31.50	18.74
Miscellaneous textile products/services	0394	2.30	1.75	31.50	18.74
Miscellaneous textile products/services	039401	2.30	1.75	31.50	18.74
Hides, skins, leather, and related products	04	0.77	1.03	2.90	3.02
Hides and skins, incl. cattle	041	2.51	4.07	20.06	6.03
Hides and skins, incl. cattle	0419	2.51	4.07	20.06	6.03
Hides, skins, and pelts, made in slaughtering plants	041901	2.51	4.07	20.06	6.03
Leather	042	1.27	0.50	7.53	2.05
Finished and unfinished leather	0427	1.27	0.50	7.53	2.05
Finished and unfinished leather	042701	1.27	0.50	7.53	2.05
Footwear	043	0.71	0.18	7.93	1.15
Men's nonathletic footwear	0431	0.86	0.25	8.40	
Men's footwear (size 6 and larger), excluding athletic	043105	0.86	0.25	8.40	
Women's nonathletic footwear	0432	0.05	0.04	4.63	
Women's footwear (size 4 and larger), excluding athletic	043205	0.05	0.04	4.63	
Other leather and related products	044	0.10	0.15	5.12	
Luggage and small leather goods	0441	0.10	0.13	2.87	1.01
Luggage and small leather goods	044101	0.04	0.02	2.87	1.01
Leather and leather-like goods, n.e.c.	0445	0.04	0.30	8.02	
Leather and leather-like goods, n.e.c.	044501	0.18	0.30	8.02	1.75
Leation and reduter-like goods, in.e.o.	044301	0.10	0.30	0.02	1.73

percent changes and median 1-month and 12-month standard errors o	the percent change, 20)22			T	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error	
Fuels and related products and power	05	5.66	0.70	38.80	1.56	
Coal	051	3.65	2.00	51.95	25.24	
Anthracite	0511	1.42	0.57	28.66	6.22	
Prepared anthracite shipped	051101	1.42	0.57	29.84	6.03	
Bituminous coal and lignite	0512	3.65	2.02	52.11	25.43	
Unprepared bituminous coal and lignite	051208	2.47	5.48	31.19	27.19	
Prepared bituminous coal and lignite	051209	3.41	2.01	57.57	28.96	
Coal	0513	1.57	1.44			
Coal	051301	1.57	1.44			
Gas fuels	053	15.11	2.82	73.25	9.24	
Natural gas	0531	20.33	3.20	81.37	10.71	
Natural gas	053101	20.33	3.20	81.37	10.71	
Liquefied petroleum gas	0532	9.63	2.30	47.82	6.62	
Liquefied petroleum gas	053201	9.63	2.30	47.82	6.62	
Electric power	054	1.86	0.35	11.07	0.75	
Residential electric power	0541	1.33	0.41	11.57	0.92	
Residential electric power	054121	1.33	0.41	11.57	0.92	
Commercial electric power	0542	2.42	0.93	11.75	1.48	
Commercial electric power	054221	2.42	0.93	11.75	1.48	
Industrial electric power	0543	2.26	1.13	11.82	2.60	
Industrial electric power	054321	2.26	1.13	11.82	2.60	
Transportation electric power	0546	0.93	0.99	4.25	12.97	
Transportation electric power	054621	0.93	0.99	4.25	12.97	
Utility natural gas	055	4.48	2.43	33.23	7.02	
Residential natural gas	0551	2.27	0.66	25.15	1.98	
Residential natural gas	055121	2.27	0.66	25.15	1.98	
Commercial natural gas	0552	3.05	1.03	29.63	2.31	
Commercial natural gas	055221	3.05	1.03	29.63	2.31	
Industrial natural gas	0553	7.27	2.36	41.43	5.25	
Industrial natural gas	055321	7.27	2.36	41.43	5.25	
Natural gas to electric power	0554	8.11	5.48	40.55	18.97	
Natural gas to electric power	055421	8.11	5.48	40.55	18.97	
Crude petroleum (domestic production)	056	8.55	0.74	51.43	1.54	
Crude petroleum (domestic production)	0561	8.55	0.74	51.43	1.54	
Crude petroleum (domestic production)	056101	8.55	0.74	51.43	1.54	
Petroleum products, refined	057	11.41	0.93	55.29	1.88	
Gasoline	0571	12.83	1.16	50.81	2.22	
Unleaded premium gasoline	057103	11.60	1.90	54.69	3.14	
Unleaded regular gasoline	057104	12.82	1.33	50.40	2.57	
Unleaded mid-premium gasoline	057105	13.06	2.26	42.99	4.22	
Kerosene and jet fuels	0572	10.60	2.69	76.46	4.42	
Kerosene	057202	8.48	3.37	72.13	9.63	
Jet fuel	057203	10.53	2.75	76.56	4.31	
Light fuel oils	0573	11.56	1.77	63.02	2.64	
Home heating oil and distillates	057302	9.12	4.32	68.60	6.26	
No. 2 diesel fuel	057303	11.91	1.89	63.04	2.75	
Residual fuels (heavy fuel oils, incl. #5, #6, & other residual fuels)	0574	6.53	5.59	34.77	14.79	
Residual fuels (heavy fuel oils, incl. #5, #6, & other residual fuels)	057407	6.53	5.59	34.77	14.79	
Finished lubricants	0576	0.96	0.55	22.02	2.44	
Lubricating and similar oils	057604	1.04	0.58	23.40	2.63	
Lubricating oil base stocks	0578	3.60	2.29	45.50	6.15	
Lubricating oil base stocks	057801	3.60	2.29	45.50	6.15	
Asphalt and other petroleum and coal products, n.e.c.	058	6.68	4.24	46.63	9.37	
Asphalt and other petroleum and coal products, n.e.c.	0581	6.68	4.24	46.63	9.37	
Asphalt	058102	7.33	3.79	41.84	11.69	
Other petroleum and coal products, including coke oven products, n.e.c.	058103	6.51	4.45	48.69	13.87	
Chemicals and allied products	06	1.06	0.42	12.45	1.43	
Industrial chemicals	061	1.59	1.15	19.06	3.67	
Basic inorganic chemicals	0613	1.45	1.37	27.20	5.62	
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percent changes and median 1-month and 12-month standard errors of the pe	ercent change, 20)22			
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Inorganic chemicals, other than alkalies and chlorine	061302	1.07	1.49	15.70	5.59
Alkalies and chlorine, including natural sodium carbonate and sulfate	061303	2.25	1.99	53.94	16.87
Basic organic chemicals	0614	1.65	1.23	17.68	3.92
Primary basic organic chemicals	061401	4.39	2.33	20.84	8.40
Cyclic intermediate chemicals and dyes	061402	0.54	0.72	23.19	9.09
Other basic organics	061403	1.72	1.15	17.35	3.52
Paints and allied products	062	0.99	0.54	21.68	2.16
Prepared paint	0621	0.89	0.58	22.82	2.93
Architectural coatings	062101	0.71	0.64	26.92	5.48
OEM finishes excluding marine coatings	062102	0.73	0.67	17.85	3.77
Special purpose coatings, incl. marine, industrial & construction coatings	062103	0.88	1.07	24.72	4.64
Paint materials	0622	1.87	0.92	15.59	2.99
Paint colors	062202	1.99	1.03	17.10	3.35
Kaolin and ball clay	062204	0.00	0.00	4.72	1.14
Allied and miscellaneous paint products	062204	0.00	0.00	17.81	6.03
Allied and miscellaneous paint products Allied and miscellaneous paint products	062301	0.74	0.93	17.81	6.03
Drugs and pharmaceuticals	062301	0.74	0.93	2.20	0.69
Medicinal and botanical chemicals, drugs, and other products	0631	0.12	0.23	1.71	2.77
Medicinal and botanical chemicals, drugs, and other products	063102	0.12	0.23	1.71	2.77
Biological products, including diagnostics	0637	0.15	0.19	5.10	3.24
Biological products, excluding diagnostic, for veterinary, industrial, and all other misc. uses	063717	0.08	0.07	0.92	2.23
Diagnostics	063718	0.37	0.28	9.16	6.57
Biological products, excluding diagnostic, for human use	063719	0.01	0.22	3.09	3.13
Pharmaceutical preparations	0638	0.05	0.06	1.61	0.62
Pharmaceuticals affecting neoplasms, the endocrine system, & metabolic diseases	063801	0.00	0.00	1.70	0.39
Pharmaceuticals acting on the central nervous system and the sense organs	063802	0.01	0.01	2.88	1.45
Pharmaceuticals acting on the cardiovascular system	063803	0.00	0.00	0.49	1.31
Pharmaceuticals acting on the respiratory system	063804	0.01	0.02	1.21	0.41
Pharmaceuticals acting on the digestive or the genito-urinary systems	063805	0.02	0.07	0.29	1.19
Pharmaceuticals acting on the skin	063806	0.00	0.00	0.28	0.61
Vitamin, nutrient, and hematinic preparations	063807	0.27	0.26	3.48	1.23
Pharmaceuticals affecting parasitic and infective diseases	063808	0.00	0.00	1.56	0.62
Fats and oils, inedible	064	2.78	2.14	12.91	4.12
Fats and oils, inedible	0641	2.78	2.14	12.91	4.12
Fats and oils, inedible	064101	2.78	2.14	12.91	4.12
Agricultural chemicals and chemical products	065	2.04	1.11	39.80	4.12
Mixed fertilizers	0651	0.62	0.70	28.70	5.82
Mixed fertilizers	065105	0.62	0.70	28.70	5.82
Fertilizer materials	0652	2.64	1.62	42.86	4.06
Nitrogenates	065201	4.74	2.17	68.08	7.41
Phosphates	065202	0.12	1.18	24.41	4.68
Other agricultural chemicals	0653	2.13	1.63	28.13	10.73
Other agricultural chemicals	065301	2.13	1.63	28.13	10.73
Plastic resins and materials	066	1.85	1.21	8.84	5.26
Thermoplastic resins and plastics materials	0662	1.97	1.42	9.43	5.88
Thermoplastic resins and plastics materials	066212	1.97	1.42	9.43	5.88
Thermosetting resins and plastics materials	0663	1.11	1.31	16.62	4.41
Thermosetting resins and plastics materials	066306	1.11	1.31	16.62	4.41
Other chemicals and allied products	067	0.89	0.35	12.37	1.27
Soaps and detergents	0671	1.11	0.55	11.29	3.19
Soaps and other detergents	067104	1.11	0.55	11.29	3.19
Polish and other sanitation goods	0672	0.30	0.29	7.32	2.54
Polish and other sanitation goods	067201	0.30	0.29	7.32	2.54
Cosmetics and other toilet preparations	0675	0.34	0.22	5.96	1.11
Shaving preparations	067502	0.07	0.14		
Perfumes, toilet waters, and colognes	067503	0.00	0.00		
Hair preparations (including shampoos)	067504	0.40	0.53	5.86	1.95
Toothpastes, denture cleaners, and mouthwashes	067505	0.08	0.09	6.44	2.08
Creams, lotions, and oils, excluding shaving, hair, and deodorant	067514	0.11	0.15	6.23	1.26
Other cosmetics and toilet preparations	067515	0.03	0.03	5.15	1.69

percent changes and median 1-month and 12-month standard errors of the	ne percent change, 20)22		Т	1
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Misc. chemical prod. and preparations	0679	1.47	0.53	16.54	2.09
Explosives and blasting accessories	067902	1.24	0.69	13.11	3.52
Industrial gases	067903	0.62	1.41	21.38	9.61
Adhesives and sealants	067904	0.74	0.73	19.39	2.48
Surface active agents	067905	1.17	1.22	17.19	4.88
Gum and wood chemicals, including wood distillation products	067906	1.41	1.44	21.41	8.78
Other miscellaneous chemical products	067909	1.56	0.66	13.72	2.32
Rubber and plastic products	07	0.93	0.21	17.61	1.44
Rubber and rubber products	071	0.49	0.23	14.34	0.87
Synthetic rubber, inc. styrene-butadiene rubber (SBR) and ethylene propylene	0711	1.27	0.81	16.16	3.04
Synthetic rubber	071102	1.27	0.81	16.16	3.04
Tires, tubes, tread, & repair materials	0712	0.68	0.38	14.73	0.80
Tires	071201	0.70	0.40	14.81	0.84
Tread rubber, tire sundries, and repair materials	071203	0.13	0.17	14.49	2.60
Miscellaneous rubber products	0713	0.49	0.22	14.61	1.31
Rubber and plastics footwear, including athletic footwear	071301	0.06	0.06	4.49	0.61
Rubber and plastic belts and belting	071303	0.70	0.48	10.26	3.35
Rubber and plastics hose	071304	0.34	0.43	8.24	2.80
Miscellaneous rubber products, n.e.c.	071306	0.64	0.26	16.72	1.61
Plastic products	072	0.91	0.26	18.29	1.78
Plastic construction products	0721	1.19	0.39	24.65	1.81
Plastics construction products	072106	1.19	0.39	24.65	1.81
Unsupported plastic film, sheet and other shapes	0722	0.95	0.77	16.21	2.92
Unsupported plastics film, sheet, and other shapes	072205	0.95	0.77	16.21	2.92
Laminated plastic sheets, rods, and tubes	0723	0.51	0.42	14.61	6.39
Laminated plastics plates, sheet (except packaging), and shapes	072304	0.51	0.42	14.61	6.39
Parts for manufacturing from plastics	0726	0.46	0.46	11.44	3.22
Parts for transportation equipment	072601	0.29	0.53	9.86	3.12
Other parts and components for manufacturing	072602	1.23	1.18	12.05	7.58
Foam components for furniture	072603	0.29	1.23	19.66	7.01
Other plastic products	0729	0.56	0.59	12.55	2.75
Other plastics products	072901	0.56	0.59	12.55	2.75
Plastic packaging products	072A	0.97	0.54	15.62	2.24
Plastics packaging products	072A01	0.97	0.54	15.62	2.24
Consumer, institutional, and commercial products, n.e.c.	072R01	0.74	0.57	26.42	6.38
All other consumer, institutional, and commercial products	072B01	0.74	0.57	26.42	6.38
Recyclable plastics	072C	1.70	5.79	20.42	26.42
Recyclable plastics	072C01	1.70	5.79	20.23	26.42
Lumber and wood products	08	1.77	0.48	8.31	1.52
Lumber	081	4.42	1.30	11.53	3.22
Softwood lumber	0811	5.11	1.67	17.35	4.38
Softwood cut stock and dimension	081105	4.93	2.00	12.87	7.36
Softwood lumber, not edge worked	081106	5.68	1.93	17.91	5.11
, 0			2.96	5.20	
Softwood lumber, made from purchased lumber Hardwood lumber	081107 0812	2.69 3.15	1.67	13.03	10.84 3.22
Hardwood cut stock and dimension	081203	0.86	1.67	13.03	10.27
			0.57		
Hardwood flooring Hardwood lumber, not edge worked	081204 081205	0.49		20.19	4.87
, 0		6.56	3.27	17.18	4.37
Millwork Coporal millwork	082	1.11	0.47	13.96	1.70
General millwork	0821	0.61	0.36	15.74	1.43
General millwork	082101	0.61	0.36	15.74	1.43
Prefabricated structural members	0822	2.49	1.47	12.68	5.66
Prefabricated structural members	082201	2.49	1.47	12.68	5.66
Plywood	083	3.98	1.03	18.21	2.95
Softwood veneer and plywood	0831	5.84	1.32	22.93	3.60
Softwood veneer and plywood	083103	5.84	1.32	22.93	3.60
Hardwood veneer and plywood	0835	0.89	0.70	13.16	4.43
Hardwood veneer and plywood	083501	0.89	0.70	13.16	4.43

percent changes and median 1-month and 12-month standard errors of the	percent change, 20)22		Т	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Other wood products	084	1.56	0.76	9.46	3.08
Wood pallets and pallet containers, wood and metal combination	0841	1.87	0.99	10.16	3.95
Wood pallets and pallet containers	084101	1.87	0.99	10.16	3.95
Wood boxes	0842	0.84	0.88	4.74	14.55
Wood boxes	084201	0.84	0.88	4.74	14.55
Miscellaneous wood products	0849	0.68	0.95	8.67	3.71
Wood ties, siding, shingles, and shakes, and contract sawing of logs owned by others	084903	0.17	0.54	6.15	3.52
Sawn wood fence stock, wood lath, and contract resawing and planing	084904	0.00	0.00	44.63	26.45
All other miscellaneous wood products	084909	0.57	0.49	5.30	3.67
Logs, bolts, timber, pulpwood and wood chips	085	0.37	0.67	4.93	3.10
Logs, bolts, timber, pulpwood and wood chips	0851	0.37	0.67	4.93	3.10
Logs, bolts, timber, pulpwood and wood chips	085105	0.37	0.67	4.93	3.10
Prefabricated wood buildings & components	086	1.07	1.18	17.42	9.25
Prefabricated wood buildings & components	0861	1.07	1.18	17.42	9.25
Prefabricated wood buildings and components	086101	1.07	1.18	17.42	9.25
Treated wood and contract wood preserving	087	2.51	1.68	12.43	3.45
Treated wood and contract wood preserving	0871	2.51	1.68	12.43	3.45
Treated wood	087101	2.65	1.82	12.96	3.78
Contract wood preservation	087102	0.61	0.78	6.92	4.05
Pulp, paper, and allied products	09	0.87	0.28	14.76	1.14
Pulp, paper, and prod., ex. bldg. paper	091	0.81	0.27	16.38	1.29
Wood pulp	0911	1.54	1.82	20.42	7.86
Wood pulp	091105	1.54	1.82	20.42	7.86
Recyclable paper	0912	5.82	2.99	55.81	19.53
News and other low grade recyclable paper	091201	2.37	2.49	51.31	26.56
Corrugated recyclable paper	091203	8.06	3.29	45.26	8.30
High grade recyclable paper (including pulp substitutes and deinking)	091207	2.92	3.54	48.38	30.72
Paper	0913	0.82	0.43	12.87	1.43
Writing and printing papers	091301	1.09	0.50	15.56	2.18
Newsprint	091302	2.28	1.55	30.03	4.21
Packaging and industrial converting paper	091303	0.84	0.77	6.26	2.27
All other coated and processed papers	091305	1.00	1.31	12.04	5.40
Paperboard	0914	0.62	0.30	19.07	1.61
Corrugated paperboard in sheets and rolls, lined and unlined	091405	0.51	0.51	15.56	1.58
Paperboard, excluding corrugated paperboard in sheets and rolls	091411	0.76	0.30	19.70	1.93
Converted paper and paperboard products	0915	1.00	0.33	14.39	1.25
Sanitary paper products, including stock	091501	1.18	0.64	11.31	2.56
Paper, plastic, and foil bags	091502	0.33	0.35	10.68	2.51
Paper boxes and containers	091503	0.58	0.42	18.07	1.94
Other corrugated and solid fiber products, including containers, pallets, pads, etc.	091504	0.19	0.28	15.91	1.49
Office supplies and accessories	091506	2.68	1.07	24.82	3.64
Fiber cans, tubes, and similar fiber products	091507	1.12	0.47	26.57	3.11
Molded pulp goods, including egg cartons, florists pots, food trays, etc.	091508	1.14	0.91	17.87	6.07
Miscellaneous converted paper and paperboard products	091509	0.67	0.36	12.75	3.38
Pressure-sensitive products	0916	1.04	0.61	15.58	2.02
Pressure-sensitive products	091601	1.04	0.61	15.58	2.02
Building paper & building board mill prods.	092	11.70	1.37	19.90	3.97
Hardboard, particleboard & fiberboard prods.	0922	11.70	1.37	19.90	3.97
Particleboard and fiberboard	092201	12.51	1.49	21.32	4.08
Hardboard products	092202	0.25	0.19	29.09	3.09
Publications, printed matter and printing material	094	1.09	0.59	16.17	2.54
Books printing	0944	1.51	0.69	23.33	3.86
Books printing	094401	1.51	0.69	23.33	3.86
Manifold business forms printing	0945	0.00	0.00	2.25	1.11
Manifold business forms printing	094501	0.00	0.00	2.25	1.11
Commercial printing	0947	1.14	0.64	16.87	3.22
Magazine and periodical printing	094701	1.14	1.37	18.30	4.60
Label and wrapper printing for packaging	094701	0.67	0.70	17.66	6.11
Catalog and directory printing	094702	0.07	1.00	9.66	2.61
Catalog and unectory printing	094703	0.90	1.00	9.00	2.01

percent changes and median 1-month and 12-month standard errors of the per	rcent change, 20)22			
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Advertising printing	094705	0.55	0.66	11.60	5.19
Other general job printing	094706	1.04	1.07	16.59	5.74
Other commercial printing, incl. screen, engraving, digital, & general job exc. labels/wrappers	094711	0.88	0.71	15.93	2.62
Blankbooks, binders, and bookbinding work	0948	0.21	0.44	12.89	4.04
Tradebinding and related work	094802	0.62	0.27	13.20	2.72
Services for the printing trade	0949	0.00	0.00	3.44	22.90
Prepress services, including platemaking	094905	0.00	0.00	3.44	22.90
Metals and metal products	10	1.46	0.48	11.50	1.95
Iron and steel	101	3.76	1.11	24.95	4.93
Iron ores	1011	1.04	0.17	14.69	2.21
Iron ores	101105	1.04	0.17	14.69	2.21
Iron and steel scrap	1012	5.85	1.40	24.44	2.63
Carbon steel scrap	101211	6.04	1.40	24.11	2.30
Stainless and other alloy steel scrap	101212	8.89	5.11	32.34	27.80
Cast iron scrap	101213	5.39	4.23	15.51	11.86
Other ferrous scrap	101215	8.48	8.93	31.46	13.48
Foundry and forge shop products	1015	0.98	0.80	16.92	2.28
Pressure and soil pipe & fittings, cast iron	101502	1.35	1.67	19.81	9.11
Other gray and ductile iron castings	101504	0.82	0.48	12.60	2.33
Steel investment castings	101506	0.74	1.38	16.75	3.05
Carbon steel castings, except investment	101507	0.81	0.58	5.62	2.54
High alloy steel castings, excluding investment	101508	3.09	2.55	36.65	12.64
Other alloy steel castings, except investment	101509	0.73	0.69	15.90	5.80
Other forge shop products	101513	0.90	1.70	18.09	5.40
Steel mill products	1017	4.29	1.63	25.93	6.91
Semifinished steel mill products	101702	1.85	0.60	35.40	4.57
Hot rolled steel bars, plates, and structural shapes	101704	1.90	0.63	31.34	2.25
Steel wire	101705	2.15	1.03	31.42	3.90
Steel pipe and tube	101706	1.56	1.87	28.85	9.45
Cold rolled steel sheet and strip	101707	8.30	4.34	31.36	5.53
Cold finished steel bars and bar shapes	101708	1.11	1.47	18.51	8.08
Electrometallurgical ferroalloy products	101712	3.78	5.03	61.64	18.87
Nonferrous metals	102	3.11	0.69	6.34	2.06
Nonferrous metal ores	1021	3.67	2.66	6.90	8.09
Primary nonferrous metals	1022	3.75	0.64	11.47	3.78
Primary nonferrous metals	102201	3.75	0.64	11.47	3.78
Nonferrous scrap	1023	4.96	2.64	11.88	5.57
Copper base scrap	102301	2.68	1.71	13.03	3.68
Aluminum base scrap	102302	6.02	4.81	21.69	6.88
Other nonferrous scrap (including lead, zinc and precious metals)	102303	5.48	5.16	8.99	10.23
Secondary nonferrous metals	1024	3.22	1.14	4.98	6.36
Secondary aluminum	102402	3.26	0.73	32.61	3.82
Secondary copper, alloyed and unalloyed	102403	1.71	2.42	6.82	3.49
All other miscellaneous secondary nonferrous metals, including lead and zinc	102408	4.07	1.00	10.51	2.79
Nonferrous mill shapes	1025	2.98	0.52	9.37	1.46
Aluminum mill shapes	102501	3.25	0.68	13.96	2.10
Copper and brass mill shapes	102502	2.53	0.55	8.11	1.46
Nickel and nickel-base alloy mill shapes	102504	1.78	1.39	30.43	4.53
Titanium and titanium-base alloy mill shapes	102505	0.55	0.67	12.65	4.00
Other nonferrous mill shapes	102505	0.90	0.07	8.92	8.28
Nonferrous wire and cable	1026	1.13	0.93	10.31	5.16
Nonferrous wire and cable	102603	1.13	0.92	10.31	5.16
Nonferrous forge shop products	102003	0.64	0.92	10.31	4.22
Nonferrous forge shop products	102701	0.64	0.66	10.41	4.22
Nonferrous foundry shop products	102701	0.04	0.00	13.17	2.28
Aluminum castings	102802	0.71	0.34	11.64	1.52
Castings, nonferrous (except aluminum)	102802	0.39	0.60	16.14	6.03
Metal containers Metal cons and con components	103	0.80	0.77	28.44	2.66
Metal cans and can components	1031	1.27	0.98	30.29	3.18

percent changes and median 1-month and 12-month standard errors of the percent change, 2022						
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error	
Steel cans and tinware end products	103102	0.54	0.62	39.68	3.82	
Aluminum cans and can components	103103	0.08	0.48	26.03	4.14	
Barrels, drums, pails and other metal containers	1032	0.53	0.50	25.29	3.91	
Barrels, drums, pails and other metal containers	103201	0.53	0.50	25.29	3.91	
Hardware	104	0.40	0.23	13.06	4.82	
Hardware, n.e.c.	1041	0.43	0.27	16.21	7.70	
Builders' hardware	104101	0.27	0.13	12.69	3.67	
Transportation equipment hardware	104103	0.22	0.37	24.90	23.24	
Furniture hardware	104104	0.17	0.33	25.25	7.84	
Other miscellaneous hardware	104105 1042	0.11	0.37	8.15	11.61	
Hand and edge tools	1042	0.57 0.57	0.40	7.71 7.71	1.39 1.39	
Hand and edge tools Plumbing fixtures and fittings	104201	0.37	0.40	10.56	1.88	
Plumbing fixture fittings and trim	1054	0.27	0.43	10.04	1.45	
Plumbing fixtures, fittings, and trim	105402	0.17	0.32	10.04	1.45	
Enameled iron & metal sanitary ware	105402	0.17	1.17	16.08	6.42	
Enameled iron and metal sanitary ware	105601	0.84	1.17	16.08	6.42	
Heating equipment	106	0.55	0.32	18.10	1.78	
Steam and hot water equipment	1061	0.80	1.17	23.16	7.56	
Steam and hot water equipment	106101	0.80	1.17	23.16	7.56	
Furnaces and heaters, including parts	1062	0.72	0.67	18.78	3.65	
Furnaces and heaters, including parts	106201	0.72	0.67	18.78	3.65	
Other heating equipment, non-electric, including parts	1063	1.10	0.27	18.85	1.74	
Other heating equipment, non-electric, including parts	106301	1.10	0.27	18.85	1.74	
Domestic heating stoves	1064	0.00	0.00	12.46	4.96	
Domestic heating stoves	106401	0.00	0.00	12.46	4.96	
Domestic water heaters	1066	0.00	0.00	13.61	3.43	
Domestic water heaters	106601	0.00	0.00	13.61	3.43	
Fabricated structural metal products	107	0.90	0.39	23.55	2.57	
Metal doors, sash, and trim	1071	0.72	0.65	35.52	6.89	
Metal doors and frames (except storm)	107102	0.63	0.49	31.18	5.16	
Metal windows (except storm sash)	107103	0.87	0.95	28.82	8.52	
Metal molding and trim and store fronts	107104	0.17	1.16	90.78	18.41	
Metal combination screen, storm sash, and storm doors	107105	0.00	0.00	13.75	7.56	
Metal window and door screens (except combination screens) and metal weather strip	107107	0.06	0.72	21.09	25.13	
Metal tanks	1072	0.59	0.50	17.10	6.27	
Metal tanks	107201	0.59	0.50	17.10	6.27	
Sheet metal products	1073 107301	1.05	0.73	19.84	4.44	
Sheet metal products Structural, architectural, and pre-engineered metal products	107301	1.05 1.25	0.73	19.84 28.37	4.44 4.19	
Fabricated structural metal	107405	1.14	1.00	28.17	6.43	
Custom roll form products	107407	2.71	1.43	40.94	6.07	
Ornamental and architectural metal work	107408	0.83	0.67	30.81	10.65	
Fabricated metal pipe, tube, and fittings	107411	0.84	1.34	14.73	6.47	
Heat exchangers and steam condensers	1075	0.44	0.47	13.61	4.43	
Heat exchangers and steam condensers	107501	0.44	0.47	13.61	4.43	
Fabricated steel plate	1076	0.45	0.43	14.56	5.31	
Fabricated steel plate	107601	0.45	0.43	14.56	5.31	
Prefabricated metal buildings	1079	1.24	2.03	11.88	4.26	
Prefabricated metal building systems (excl. farm service bldgs, residential bldgs, and parts)	107901	0.49	0.60	13.70	4.13	
Farm service buildings and other prefabricated and portable buildings, steel and aluminum	107902	0.85	1.44	5.44	7.24	
Panels, parts, and sections for prefabricated buildings, steel and aluminum	107903	5.87	4.73	13.94	7.79	
Miscellaneous metal products	108	0.69	0.38	13.90	1.79	
Bolts, nuts, screws, rivets, and washers	1081	0.86	0.71	18.86	5.72	
Externally threaded fasteners, except aircraft types	108102	1.13	0.82	18.85	7.29	
Internally threaded fasteners, except aircraft types	108103	0.50	0.59	5.74	2.16	
Nonthreaded metal fasteners, except aircraft types	108104	0.80	0.60	21.24	5.32	
Aircraft fasteners, except plastics (including aerospace)	108105	0.76	0.63	29.59	11.39	
Formed products, except fasteners, made by cold-, warm-, or hot-heading processes	108106	0.02	0.02	2.60	3.14	
Lighting fixtures	1083	0.40	0.21	9.05	1.67	

Index code Ind	percent changes and median 1-month and 12-month standard errors of the percen	lit ondrigo, 20	1-month	1-month	12-month	12-month
Commercial institutional and indistrial electric lighting fistures 168303 0.33 0.38 8.45 2.28	Index	Index code	absolute percent	median standard	absolute percent	median standard
Other Institute groupment	Residential electric lighting fixtures, except portable	108302	0.66	0.77	12.27	2.98
Odramone and ordinance accessories, n. e. c. 10868 0.00 0.00 9.72 7.88 Fabricated ferrous wite report. State (Service) 10888 1.03 0.61 26.83 4.02 Fabricated ferrous wite products 10888 1.03 0.61 26.83 4.02 Ferrous wite cloth, other wowen vitro products 108807 0.62 0.98 1.51.4 5.49 Seler lassis, staples, backs, spikes and trads 108812 0.59 0.92 34.93 7.50 Other miscellamous metal products 10898 0.80 0.12 1.02 2.23 6.20 Wite springs 108994 1.03 1.54 1.60 2.30 3.75 Other miscellamous metal products 108990 1.04 0.07 1.02 2.24 4.01 1.02 2.24 4.01 1.02 2.02 3.01 1.02 2.24 4.01 1.02 2.24 4.01 1.02 2.24 4.01 1.02 2.24 4.02 1.02 2.44 A.02 3.02 0.01 </td <td>Commercial, institutional and industrial electric lighting fixtures</td> <td>108303</td> <td>0.33</td> <td>0.36</td> <td>8.45</td> <td>2.26</td>	Commercial, institutional and industrial electric lighting fixtures	108303	0.33	0.36	8.45	2.26
Odmanca and ordnance accessories, n. e.c. 109801 0.00 0.00 0.72 7.88 Exhibited forms with products 1098 103 0.01 2.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03 4.02 5.03	Other lighting equipment	108305	0.10	0.16	8.69	2.96
Fabricated ferrous wire products 1088	Ordnance and ordnance accessories, n.e.c.	1086	0.00		9.72	7.86
Ferrous wire cole, cable, forms and strand Ferrous wire cole, to ther works in products 108807 0.02 0.98 15.14 5.49 Other fabricated ferrous wire products 108809 1.24 0.94 0.92 2.36 6.20 Other fabricated ferrous wire products 108809 1.94 0.94 0.92 2.36 6.20 Other insteal products 108809 1.95 0.92 2.34 9.3 7.59 Other misseal products 10890 0.98 0.97 1.25 0.23 Other misseal products 10890 0.98 0.97 0.92 2.34 Other misseal products 108905 0.92 0.97 0.97 1.26 2.34 Other misseal products 108905 0.92 0.97 0.97 1.26 0.23 Other misseal products 108905 0.92 0.97 0.97 1.26 0.97 1.28 0.25 Other misseal products 108907 0.94 0.97 0.97 1.28 0.97 1.28 0.97 0.97 0.97 1.28 0.97 0.97 0.97 1.28 0.97 0.97 0.97 0.97 0.97 1.28 0.97 0.97 0.97 0.97 0.97 0.97 0.97 1.28 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97	Ordnance and ordnance accessories, n.e.c.		0.00	0.00	9.72	7.86
Ferrosa wire cloth, other woven wire products 1088007 1088001 108812 108900 10891 108900 10891 108900 10891 108900 10891 1089000 108900 108900 1089000 108900 1089000 1089000 1089000 1089000 1089000 1089000 1089000 1089000 1089000 1089000 1089000 1089000 1089000 10890000 10890000000000	·					4.02
Oher fabricated ferrous wire products 108809 1.24 0.84 2.23 6.20 Other miscallamous metal products 1089 0.56 0.47 1.20 2.34 Other miscallamous metal products 10890 0.56 0.47 1.20 2.34 Other metal products 108905 0.42 0.47 1.02 2.54 Motal slampings n.s. c. 108007 0.54 0.75 1.24 5.05 Metal slampings n.s. c. 108007 0.54 0.75 1.24 5.05 Metal slampings n.s. c. 108009 0.76 0.79 20.14 1.08 Machinery and equipment 11 0.68 0.00 0.79 20.14 1.08 Machinery and equipment 11 0.68 0.50 10.64 2.23 Agricultural machinery and equipment machinery and equipment machinery and equipment machinery and equipment metal machinery and equipment mac		+				
Seel nails, staples, boks, spikes and brade 108812 0.58 0.92 0.47 12.60 2.34 Wire springs 108904 1.03 1.54 38.34 15.45 Wire springs 108907 0.54 0.75 12.64 38.34 15.45 Metal starpings in e. G. 108907 0.54 0.75 12.43 5.65 Metal starpings in e. G. 108907 0.54 0.75 12.43 5.65 Metal starpings in e. G. 108907 0.54 0.75 12.43 5.65 Metal starpings in e. G. 108908 0.20 0.76 0.79 25.14 10.69 Heavy gauge springs 108909 0.76 0.79 25.14 10.69 Heavy gauge springs 111 0.66 0.00 10.12 0.41 Apricultural machinery and equipment 111 0.66 0.50 10.64 2.23 Apricultural machinery and equipment 111 0.66 0.50 10.64 2.23 Agricultural machinery and equipment 111 0.66 0.50 10.64 2.23 Agricultural machinery and equipment 111 0.66 0.50 10.64 2.23 Agricultural machinery and equipment 111 0.66 0.50 10.55 2.99 Tam piows, harrows, follers, puberties, etc., and attachments 111401 0.47 0.27 10.55 2.99 Tam piows, harrows, follers, puberties, etc., and attachments 111402 0.00 0.00 27.21 4.28 Tam piows, harrows, follers, puberties, etc., and attachments 111404 0.16 0.55 12.21 12.33 15.33 2.38 Harrowstrip machinery (oxopet hay and straw) and attachments 111406 0.16 0.55 0.59 0.22 12.21 12.23 12.2	·					
Ober miscellaineous metal products 1,089 0.58 0.47 12.80 2.34 Other metal products 1,08906 1,03 0.42 0.47 1,02 2.54 Metal stampings in c. 1,08907 0.54 0.34 1,05 2,42 5,65 Metal stampings in c. 1,08907 0.54 0.75 1,24 5,65 Metal stampings in c. 1,08909 0.76 0.79 23.14 1,06 Machinary and equipment 1,08909 0.76 0.79 23.14 1,06 Machinary and equipment 111 0.66 0.50 16.64 2.23 Agricultural machinery and equipment and advance equipment and attachments 111.14 0.66 0.50 16.64 2.23 Commercial Lim and any Carbon and Security of the commercial Lim And Security of the Carbon and Security of the Car	·					
Wire springs 168004 1.03 1.54 38.34 15.45 168005 0.42 0.47 10.28 2.54 Metal stampings n.e.c. 108807 0.54 0.75 12.43 3.68 Metal foliand liser 108808 0.70 0.54 0.75 12.43 3.68 Metal foliand liser 108809 0.76 0.79 29.14 8.76 Machinery and equipment 1108009 0.76 0.79 29.14 8.76 Machinery and equipment 111 0.65 0.06 10.12 0.41 Agricultural machinery and equipment 111 0.66 0.50 16.64 2.23 Machinery and equipment 111 0.66 0.50 16.64 2.23 Commercial turf and grounds care equipment, including parts and attachments 11140 0.47 0.27 10.55 2.98 Farm plows, harows, rollers, pulvarizers, etc., and attachments 111402 0.00 0.00 27.2 10.55 2.98 Farm plows, harows, rollers, pulvarizers, etc., and attachments 111402 0.00 0.00 27.2 10.55 2.98 Farm plows, harows, rollers, pulvarizers, etc., and attachments 111402 0.00 0.00 27.2 10.55 2.98 Farm dairy equipment, prayers and dusters, farm blowers, and attachments 111409 0.16 0.56 12.21 12.31 12			-			
Differ metal products	·					
Metal stampings n.e.c. 108907 0.54 0.75 12.43 5.65 18 14 108908 0.20 0.30 16.10 18.76 18 14 108909 0.76 0.79 29.14 10.69 18 17 18 14		+				
Metal foll and leaf						
Heavy gauge springs	·					
Machinery and equipment Agricultural machinery and equipment 111 0.63 0.09 10.12 0.41 Agricultural machinery and equipment 111 0.66 0.50 16.64 2.23 Agricultural machinery and equipment 1114 0.66 0.50 16.64 2.23 Commercial turl and grounds care equipment, including parts and attachments 111401 0.47 0.27 10.55 2.99 Farm plows, harrows, rollers, pulverizers, etc., and attachments 111402 0.00 0.00 27.21 4.29 Farm dairy equipment, srayers and dusters, farm blowers, and attachments 111404 0.16 0.56 12.21 12.37 Planting, seeding, and fertilizing machinery and attachments 111405 1.21 1.33 15.33 2.88 Harvesting machinery (except hay and stava) and attachments 111406 1.21 1.33 15.33 2.88 Harvesting machinery (except hay and stava) and attachments 111407 0.00 0.00 0.35 16.96 6.02 Harying machinery and attachments 111407 0.00 0.00 0.00 18.37 3.73 All other farm machinery, and equipment 1112 0.00 0.00 0.00 18.37 3.73 All other farm machinery, for sale separately 111409 0.50 0.76 18.35 4.24 Construction machinery and equipment 1112 0.00 0.00 0.76 18.35 4.24 Construction machinery for mounting (excluding parts, winches, snow clearing attachments) 1112A 0.00 0.09 10.10 10.16 3.37 Tractors and attachments, ex. parts 112A 0.20 0.19 9.54 2.19 Construction machinery for mounting (excluding parts, winches, snow clearing attachments) 112A03 0.01 0.01 10.16 3.37 Tractors shovel loaders (skid steer, where tractors, dozers, selfpropeled log skiders, etc. 112A05 0.04 0.04 0.11 0.14 1.25 Construction wheel and crawler tractors, dozers, selfpropeled log skiders, etc. 112A06 0.04 0.04 0.11 0.14 1.26 Construction wheel and crawler tractors, dozers, selfpropeled log skiders, etc. 112A06 0.04 0.01 0.11 0.16 3.37 Tractors and attachments experience of the self-part of the self						10.69
Agricultural machinery and equipment 111 0.66 0.50 16.64 2.23 Agricultural machinery and equipment 1114 0.66 0.50 16.64 2.23 Commercial furf and grounds care equipment, including parts and attachments 111401 0.47 0.27 10.55 2.99 Farm plows, harrows, rollers, pulverizers, sct., and attachments 111402 0.00 0.00 27.21 4.26 Farm diairy equipment, sprayers and dusters, farm blowers, and attachments 111405 1.21 1.33 15.33 15.33 16.86 6.02 Planting, seeding, and fertilizing machinery and attachments 111405 1.21 1.33 16.36 6.02 Haying machinery and attachments 111407 0.00 0.00 18.37 3.75 All other farm machinery and equipment 111407 0.00 0.00 18.37 3.75 All other farm machinery and equipment 111408 0.51 0.66 6.02 Paris for farm machinery and equipment machinery for an explanting for machinery and equipment machinery a			00			
Agricultural machinery and equipment 111 0.66 0.50 16.64 2.23 Agricultural machinery and equipment 1114 0.66 0.50 16.64 2.23 Commercial furf and grounds care equipment, including parts and attachments 111401 0.47 0.27 10.55 2.99 Farm plows, harrows, rollers, pulverizers, sct., and attachments 111402 0.00 0.00 27.21 4.26 Farm diairy equipment, sprayers and dusters, farm blowers, and attachments 111405 1.21 1.33 15.33 15.33 16.86 6.02 Planting, seeding, and fertilizing machinery and attachments 111405 1.21 1.33 16.36 6.02 Haying machinery and attachments 111407 0.00 0.00 18.37 3.75 All other farm machinery and equipment 111407 0.00 0.00 18.37 3.75 All other farm machinery and equipment 111408 0.51 0.66 6.02 Paris for farm machinery and equipment machinery for an explanting for machinery and equipment machinery a	Machinery and equipment	11	0.63	0.09	10.12	0.41
Commercial furf and grounds care equipment, including parts and attachments		111				2.23
Farm plows, harrows, rollers, pulverizers, etc., and attachments	Agricultural machinery and equipment	1114	0.66	0.50	16.64	2.23
Farm dairy equipment, sprayers and dusters, farm blowers, and attachments 111404 0.16 0.56 12.21 12.37 Planting, seeding, and fertilizing machinery and attachments 111405 1.21 1.33 15.33 2.88 Harvesting machinery (except hay and straw) and attachments 111407 0.00 0.00 1.9 0.35 16.96 6.02 Haying machinery and attachments 111407 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 0.00 18.37 3.75 1.00 0.00 0.00 0.00 0.00 18.37 3.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Commercial turf and grounds care equipment, including parts and attachments	111401	0.47	0.27	10.55	2.99
Planting, seeding, and fertilizing machinery and attachments	Farm plows, harrows, rollers, pulverizers, etc., and attachments	111402	0.00	0.00	27.21	4.29
Harvesting machinery (except hay and straw) and attachments	Farm dairy equipment, sprayers and dusters, farm blowers, and attachments	111404	0.16	0.56	12.21	12.37
Haying machinery and attachments	Planting, seeding, and fertilizing machinery and attachments	111405	1.21	1.33	15.33	2.88
All other farm machinery and equipment, excluding parts, including attachments	Harvesting machinery (except hay and straw) and attachments	111406	0.19	0.35	16.96	6.02
Parts for farm machinery, for sale separately 111409 0.50 0.76 18.35 4.24 Construction machinery and equipment 112A 0.20 0.19 9.54 2.19 Construction machinery for mounting (excluding parts, winches, snow clearing attachments) 112A0 0.00 1.10 1.10 1.12A 0.20 0.19 9.54 2.19 Construction machinery for mounting (excluding parts, winches, snow clearing attachments) 112A03 0.01 0.01 1.01 1.01 1.01 1.01 1.01 1.01 1.02 1.01 1.	Haying machinery and attachments					3.75
Construction machinery and equipment 112 0.30 0.29 10.47 1.60 1.6		+				6.00
Tractors and attachments, ex. parts Construction machinery for mounting (excluding parts, winches, snow clearing attachments) 112A03 0.01 0.01 10.16 3.37 Tractor shovel loaders (skid steer, wheel, crawler, and integral design backhoes) 112A04 0.04 0.01 10.11 10.14 1.25 Construction wheel and crawler tractors, dozers, self-propelled log skidders, etc. 112A05 0.42 0.30 10.45 3.87 Power cranes, draglines, & shovels (excavators) (incl. surface mining equipment) (excl. parts) 112B05 0.20 0.14 10.94 0.67 Mixers, pavers, and related equipment (excluding parts) 112C 0.38 0.44 15.86 4.99 Mixers, pavers, and related equipment (excluding parts) 112C01 0.38 0.44 15.86 4.99 Mixers, pavers, and related equipment (excluding parts) 112D0 0.15 0.36 0.74 1.82 Off-highway, equipment, ex. parts 0ff-highway, rucks, haulers, truck-type tractor chassis, trailers, etc. (excluding parts) 112D0 0.15 0.36 0.74 1.82 Off-highway trucks, haulers, truck-type tractor chassis, trailers, etc. (excl. parts) 112D0 0.09 0.10 0.63 3.30 Craders, rollers & compactors, rough-terrain forklifts, scrapers, trenchers, etc. (excl. parts) 112D0 0.09 0.10 0.00 0.11 0.63 0.30 0.00 0.00 0.11 0.63 0.30 0.00 0.00 0.00 0.11 0.63 0.30 0.00 0.00 0.00 0.11 0.63 0.30 0.00 0.00 0.00 0.11 0.63 0.30 0.00 0.00 0.00 0.00 0.00 0.00						
Construction machinery for mounting (excluding parts, winches, snow clearing attachments) 112A03 0.01 0.01 10.16 3.37 Tractor shovel loaders (skid steer, wheel, crawler, and integral design backhoes) 112A04 0.04 0.11 10.14 1.25 Construction wheel and crawler tractors, decrees, self-propelled log skidders, etc. 112A05 0.42 0.30 10.45 3.87 Power cranes, draglines, & shovels (excavators) (incl. surface mining equipment) (excl. parts) 112B 0.20 0.14 10.94 0.67 Power cranes, draglines, & shovels (excavators) (incl. surface mining equipment) (excl. parts) 112B 0.20 0.14 10.94 0.67 Power cranes, draglines, & shovels (excavators) (incl. surface mining equip.) (excluding parts) 112C 0.38 0.44 15.86 4.99 Mixers, pavers, and related equipment (excluding parts) 112C01 0.38 0.44 15.86 4.99 Mixers, pavers, and related equipment (excluding parts) 112C01 0.38 0.44 15.86 4.99 Mixers, pavers, and related equipment (excluding parts) 112D0 0.15 0.36 9.74 1.82 Off-highway trucks, hauters, truck-type tractor chassis, trailers, etc. (excluding parts) 112D02 0.09 0.10 6.39 3.02 Off-highway trucks, hauters, truck-type tractor chassis, trailers, etc. (excl. parts) 112D03 0.00 0.00 11.26 1.88 Misc. construction machinery and equipment 112J 0.59 0.54 11.20 4.81 Misc. construction machinery and equipment 112J 0.59 0.54 11.20 4.81 Misc. construction machinery and equipment (excluding parts) 112L03 0.00 0.00 7.54 8.42 Parts for construction machinery and equipment, sold separately 112K0 0.81 0.97 13.40 4.33 Parts for construction machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 11330 0.00 0.00 0.00 0.00						
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Construction wheel and crawler tractors, dozers, self-propelled log skidders, etc.						
Power cranes, draglines, & shovels (excavators) (incl. surface mining equipment) (excl. parts) 112B	, , , , , , , , , , , , , , , , , , ,					
Power cranes, draglines, & shovels (excavators) (incl. surface mining equip.) (excluding parts) 112B05 0.20 0.14 10.94 0.67						
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Mixers, pavers, and related equipment (excluding parts) 112C01 0.38 0.44 15.86 4.99 Off-highway, equipment, ex. parts 112D 0.15 0.36 9.74 1.82 Off-highway trucks, haulers, truck-type tractor chassis, trailers, etc. (excluding parts) 112D02 0.09 0.10 6.39 3.02 Graders, rollers & compactors, rough-terrain forklifts, scrapers, trenchers, etc. (excl. parts) 112D03 0.00 0.00 11.26 1.88 Misc. construction machinery and equipment 112J 0.59 0.54 11.20 4.81 Winches, aerial work platforms, and automotive wrecker hoists, including parts and attachments 112J01 0.11 0.12 13.89 4.03 Other construction machinery and equipment (excluding parts) 112L03 0.00 0.00 7.54 8.42 Parts for construction machinery and equipment, sold separately 112K 0.81 0.97 13.40 4.33 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment, sold separately 112K01						
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Off-highway trucks, haulers, truck-type tractor chassis, trailers, etc. (excluding parts) 112D02 0.09 0.10 6.39 3.02 Graders, rollers & compactors, rough-terrain forklifts, scrapers, trenchers, etc. (excl. parts) 112D03 0.00 0.00 11.26 1.88 Misc. construction machinery and equipment 112J 0.59 0.54 11.20 4.81 Winches, aerial work platforms, and automotive wrecker hoists, including parts and attachments 112J01 0.11 0.12 13.88 4.03 Other construction machinery and equipment (excluding parts) 112J03 0.00 0.00 7.54 8.42 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Welding machines and equipment 1132 0.01 0.01 11.03 1.27 Welding machines, components, and accessories, excluding electrodes and stud welding equip 113301						
Graders, rollers & compactors, rough-terrain forklifts, scrapers, trenchers, etc. (excl. parts) 112D03 0.00 0.00 11.26 1.89 Misc. construction machinery and equipment 112J 0.59 0.54 11.20 4.81 Winches, aerial work platforms, and automotive wrecker hoists, including parts and attachments 112J01 0.11 0.12 13.89 4.03 Other construction machinery and equipment (excluding parts) 112J03 0.00 0.00 7.54 8.42 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44						3.02
Winches, aerial work platforms, and automotive wrecker hoists, including parts and attachments 112J01 0.11 0.12 13.89 4.03 Other construction machinery and equipment (excluding parts) 112J03 0.00 0.00 7.54 8.42 Parts for construction machinery and equipment, sold separately 112K 0.81 0.97 13.40 4.33 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27		112D03	0.00	0.00	11.26	1.89
Other construction machinery and equipment (excluding parts) 112J03 0.00 0.00 7.54 8.42 Parts for construction machinery and equipment, sold separately 112K 0.81 0.97 13.40 4.33 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41	Misc. construction machinery and equipment	112J	0.59	0.54	11.20	4.81
Parts for construction machinery and equipment, sold separately 112K 0.81 0.97 13.40 4.33 Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113304 0.00 0.00 9.82 3.12 Industrial process furnaces and o	Winches, aerial work platforms, and automotive wrecker hoists, including parts and attachments	112J01	0.11	0.12	13.89	4.03
Parts for construction machinery and equipment, sold separately 112K01 0.81 0.97 13.40 4.33 Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and att	Other construction machinery and equipment (excluding parts)	112J03	0.00	0.00	7.54	8.42
Metalworking machinery and equipment 113 0.60 0.22 9.55 1.30 Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces a	Parts for construction machinery and equipment, sold separately	112K	0.81	0.97	13.40	4.33
Power-driven handtools, including parts and attachments 1132 0.01 0.01 11.03 1.27 Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 8.41 1.50 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 11350 0.46 <td< td=""><td>Parts for construction machinery and equipment, sold separately</td><td>112K01</td><td>0.81</td><td></td><td>13.40</td><td>4.33</td></td<>	Parts for construction machinery and equipment, sold separately	112K01	0.81		13.40	4.33
Power-driven handtools, including parts and attachments 113211 0.01 0.01 11.03 1.27 Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 113409 <td>Metalworking machinery and equipment</td> <td></td> <td></td> <td></td> <td></td> <td>1.30</td>	Metalworking machinery and equipment					1.30
Welding machines and equipment 1133 0.59 0.35 12.44 1.91 Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 113409 0.31 0.43 15.36 3.69 Cutting tools and accessories 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11						1.27
Arc welding machines, components, and accessories, excluding electrodes and stud welding equip 113301 0.06 0.08 20.27 2.01 Resistance welders, components, accessories, and electrodes 113302 0.00 0.00 11.84 2.60 Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 113409 0.31 0.43 15.36 3.69 Cutting tools and accessories 11350 0.46 0.23 6.75 0.92 Small cutting tools 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11						
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Gas welding and cutting equipment, parts, attachments, and accessories 113304 0.00 0.00 8.41 1.50 Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 113409 0.31 0.43 15.36 3.69 Cutting tools and accessories 1135 0.46 0.23 6.75 0.92 Small cutting tools 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11						
Other welding equipment, components, and accessories (excluding arc, resistance, and gas) 113306 0.00 0.00 9.82 3.12 Industrial process furnaces and ovens 1134 0.47 0.32 11.76 1.44 Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 113409 0.31 0.43 15.36 3.69 Cutting tools and accessories 1135 0.46 0.23 6.75 0.92 Small cutting tools 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11	·					
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Industrial process furnaces and ovens, except parts and attachments 113407 0.60 0.29 10.69 1.34 Parts and attachments for industrial process furnaces and ovens 113409 0.31 0.43 15.36 3.69 Cutting tools and accessories 1135 0.46 0.23 6.75 0.92 Small cutting tools 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11						
Parts and attachments for industrial process furnaces and ovens 113409 0.31 0.43 15.36 3.69 Cutting tools and accessories 1135 0.46 0.23 6.75 0.92 Small cutting tools 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11	·					
Cutting tools and accessories 1135 0.46 0.23 6.75 0.92 Small cutting tools 113501 0.35 0.19 5.73 0.99 Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11						
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Other machine tool attachments and accessories 113505 0.89 0.74 13.27 4.11						0.99
						4.11
priorition production 1100 0.02 0.72 10.72 2.18	Abrasive products	1136	0.52	0.72	10.72	2.19

Index Nonmetallic sized grains, powders, and flour abrasives (incl. graded only)	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Nonmetallic abrasive products (including diamond abrasives)	113603	0.75	0.30	13.81	1.93
		0.73	0.57	9.82	
Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps	113605		0.37	4.60	2.50
Metal cutting machine tools Other metal cutting machine tools	1137 113720	0.29 0.06	0.27	3.74	1.61
Other metal-cutting machine tools Metal machining centers	113721	0.00	0.07	2.95	1.36
	113753	0.00	0.00	9.51	8.94
Rebuilt metal-cutting machine tools and parts for metal-cutting machine tools Metal forming machine tools	113733	0.00	0.00	5.26	2.30
	113826	0.20	0.10	5.20	2.74
Metal-forming machine tools (except rebuilt and parts) Rebuilt metal-forming machine tools and parts for metal-forming machine tools	113852	0.17	0.17	5.04	1.76
	1139	0.49	0.00	8.52	4.60
Tools, dies, jigs, fixtures & ind. molds	113901	0.49	0.47	7.53	5.25
Special tools, dies, jigs, and fixtures					
Industrial molds and mold boxes	113903	0.51	0.38	10.13	6.30
Metalworking machinery n. e. c. Other metalworking machinery	113A 113A02	0.08 0.18	0.21	6.84	2.02
Other metalworking machinery	113A02	1.06	0.18	14.70	2.03 0.78
General purpose machinery and equipment			0.20		
Pumps, compressors, and equipment	1141	1.05	0.34	15.60	1.94
Industrial pumps, except hydraulic fluid power pumps		0.98		12.50	2.88
Parts and attachments for air and gas compressors and vacuum pumps	114107	1.23	0.76	40.70	0.00
Domestic water systems	114113	0.00	0.00	10.73	2.98
Air and gas compressors and vacuum pumps	114115	1.62	0.59	19.09	3.66
Other pumps, including parts and attachments	114119	0.73	0.39	12.07	1.92
Elevators, escalators, and other lifts	1142	0.12	0.19	16.51	2.77
Elevators and moving stairways	114201	0.19	0.21	19.53	3.52
Parts and attachments for elevators and moving stairs (sold separately)	114202	0.24	0.31	6.91	2.79
Fluid power equipment	1143	0.59	0.28	12.78	1.59
Fluid power pumps and parts	114301	0.56	0.34	7.90	1.55
Fluid power valves	114302	0.23	0.17	9.65	3.12
Fluid power cylinders, actuators, accumulators, cushions, & parts	114303	1.03	0.60	15.78	3.47
Fluid power hose and tube fittings	114304	0.01	0.02	17.53	3.50
Parts for fluid power valves	114305	0.21	0.51	11.81	3.61
Industrial material handling equipment	1144	0.67	0.26	14.32	1.48
Conveying equipment, except parts and accessories	114402	0.73	0.45	17.47	4.46
Industrial trucks, trailers, and stackers	114403	0.37	0.32	11.72	1.64
Hoists, overhead cranes, and monorail systems	114404	1.09	0.67	16.87	2.53
Parts and accessories for conveyors and conveying systems	114406	0.34	0.25	15.78	3.84
Mechanical power transmission equipment	1145	1.04	0.59	13.05	1.44
Speed changers, drives, gears	114501	1.21	0.90	12.00	1.96
Other power transmission equipment	114502	0.95	0.71	13.95	2.62
Scales and balances	1146	0.73	0.59	10.05	3.24
Vehicle and industrial scales	114611	0.63	0.49	11.35	3.13
Retail, commercial, household, and mailing scales and balances	114612	0.00	0.00	1.45	2.12
Parts, attachments, and accessories for scales and balances	114613	0.72	1.18	14.04	7.46
Air purification equipment and industrial and commercial fans and blowers	1147	0.67	0.37	11.97	2.55
Fan, blower, air purification equipment	114701	0.67	0.37	11.97	2.55
Air conditioning and refrigeration equip	1148	1.36	0.71	23.17	3.34
Unitary air-conditioners, except air source heat pumps	114802	1.70	1.74	17.91	2.74
Commercial refrigeration equipment	114803	1.15	0.76	35.83	8.45
All other miscellaneous refrigeration and air-conditioning equipment	114806	0.46	1.74	36.37	13.54
Heat transfer equipment, including heat pumps	114807 114809	0.98 0.44	0.67	21.04	2.16
Parts and accessories for air conditioning and heat transfer equipment				20.03	5.62
Refrigeration condensing units	114815	0.18	0.51	25.29	3.84
Miscellaneous general purpose equipment	1149	0.90	0.25	10.98	1.21
Metal valves, except fluid power	114902	1.07	0.27	13.67	1.87
Metal pipe fittings, flanges, and unions	114903	1.16	0.62	17.38	4.75
Ball and roller bearings	114905	0.62	0.35	8.53	1.72
Industrial patterns	114907	0.00	0.00	6.10	2.94
Tildana and atrain and				0.38	
Filters and strainers Other miscellaneous general purpose equipment	114908 114911	0.23 0.69	0.54	9.38 7.35	2.87 2.39

percent changes and median 1-month and 12-month standard errors of the perc	ent change, 20)22			
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Electronic computers	1151	1.25	1.26	11.86	5.65
Electronic computers	115101	1.25	1.26	11.86	5.65
Computer storage devices	1152	0.42	0.75	3.41	3.58
Computer storage devices (except parts, attachments and accessories)	115201	0.39	0.66	3.96	4.13
Computer peripheral equipment and parts	1154	0.13	0.22	4.88	3.29
Computer terminals (including POS and funds-transfer devices) and other computer peripherals	115406	0.20	0.24	1.71	2.39
Special industry machinery and equipment	116	0.67	0.36	13.69	2.81
Food products machinery	1161	0.64	0.35	12.26	2.28
Dairy and milk products plant machinery and equipment	116101	0.00	0.00	16.35	9.85
Commercial food products machinery (except packaging and cooking equipment)	116104	0.59	0.47	11.45	2.36
Industrial food products machinery for processing foods, beverages, & animal & fowl feed	116105	0.38	0.45	11.10	1.50
Textile machinery and equipment	1162	0.00	0.00	6.38	3.09
Textile machinery (except parts, attachments, and accessories)	116212	0.00	0.00	7.02	3.98
Textile machinery parts and attachments	116277	0.00	0.00	4.75	2.54
Sawmill and woodworking machinery	1163	0.35	0.42	11.72	4.05
Sawmill and woodworking machinery	116306	0.35	0.42	11.72	4.05
Paper industries machinery	1164	0.84	0.39	10.02	1.90
Paper industries machinery	116401	0.84	0.39	10.02	1.90
Printing trades machinery and equipment	1165	0.20	0.35	6.12	2.42
Other printing machinery and equipment	116509	0.25	0.46	4.98	2.06
Other special industry machinery	1166	0.56	0.64	16.87	6.01
Plastics and rubber working machinery	116603	0.14	0.42	3.59	2.42
Miscellaneous special industry machinery	116606	0.66	0.67	18.74	6.56
Packing, packaging, and bottling machinery and parts	1167	0.58	0.70	12.08	3.52
Packing, packaging, and bottling machinery and parts	116705	0.58	0.70	12.08	3.52
Service industry machinery and parts	1168 116801	0.79 0.79	0.22	13.23 13.23	1.71
Service industry machinery and parts					1.71
Commercial laundry and drycleaning machinery products	1169 116909	0.65 0.65	0.36	13.97 13.97	1.45 1.45
Commercial laundry and drycleaning machinery products Electrical machinery and equipment	117	0.65	0.30	7.76	0.63
Wiring devices	1171	0.45	0.14	22.05	3.32
Current-carrying wiring devices	117101	0.49	0.30	9.55	1.91
Noncurrent-carrying wiring devices	117102	0.49	0.73	33.03	5.45
Integrating and measuring instruments	1172	0.92	0.75	3.93	0.99
Test equipment for electrical, radio, & communication circuits & motors	117205	0.25	0.23	3.09	1.03
Motors, generators, motor generator sets	1173	0.76	0.36	15.78	1.27
Fractional horsepower motors and generators	117303	0.71	0.26	6.76	4.14
Integral horsepower motors and generators (excluding land transportation types)	117304	0.44	0.29	32.98	2.00
Parts and supplies for motors and generators	117309	0.77	0.81	14.79	4.55
Other motors and generators	117311	0.63	0.76	10.35	2.15
Transformers and power regulators	1174	0.86	0.28	34.62	3.35
Power and distribution transformers, except parts	117409	0.61	0.18	36.94	3.26
Other transformers and parts for transformers	117411	0.26	0.65	17.15	9.01
Switchgear, switchboard, industrial controls equipment	1175	1.41	0.61	19.81	2.74
Industrial controls and related parts and accessories	117507	0.32	0.25	17.23	5.25
Switchgear and switchboard apparatus	117522	0.85	0.68	21.89	3.23
Communications and related equipment and miscellaneous electronic systems & equipment	1176	0.27	0.19	5.41	1.38
Telephone and wireline data networking equipment	117601	0.56	0.46	6.15	2.92
Other communications and related equipment, including broadcast and wireless	117603	0.31	0.27	4.56	1.44
Electronic systems and equipment, n.e.c.	117605	0.88	0.91	14.35	7.09
Search, detection, navigation & guidance systems and equipment	117606	0.04	0.03	4.92	2.26
Electric lamp bulbs, tubes, and components	1177	0.00	0.00	7.76	3.10
Electric lamp bulbs, tubes, and components	117704	0.00	0.00	7.76	3.10
Electronic components and accessories	1178	0.39	0.29	4.11	1.31
Capacitors for electronic circuitry	117811	0.01	0.01	2.11	1.44
Relays for electronic circuitry, industrial control overload, and switchgear type	117821	0.00	0.00	2.22	4.54
Switches, mechanical, for electronic circuitry	117822	0.40	0.21	11.67	3.81
Connectors for electronic circuitry	117824	0.75	0.85	12.58	2.66
Filters, crystals, and transducers	117828	0.00	0.01	6.40	2.62
Integrated microcircuits	117839	0.60	0.50	2.26	1.07

percent changes and median 1-month and 12-month standard errors of the percent	cent change, 20)22		I	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Other semiconductor and related devices	117847	0.50	0.37	4.02	1.56
Bare printed circuit boards	117849	0.20	0.19	4.56	2.97
Electronic coils, transformers, and other inductors	117853	0.63	0.24	7.32	1.51
Microwave components, electron tubes, and other electronic components, n.e.c.	117856	0.12	0.27	6.98	2.44
Printed circuit assemblies, loaded boards, modules and consumer external modems	117861	0.43	0.87	2.73	6.99
Miscellaneous electrical machinery and equipment	1179	0.41	0.25	6.39	1.10
Storage batteries	117901	0.36	0.40	12.81	1.46
Primary batteries	117902	0.55	0.76	10.87	2.61
Carbon and graphite products	117903	0.91	0.71	7.69	9.27
X-ray and electromedical equipment	117905	0.22	0.18	3.61	0.96
Miscellaneous electrical industrial apparatus	117929	0.52	0.68	13.19	3.59
All other electrical equipment and components, except industrial	117939	0.07	0.53	21.67	24.88
Miscellaneous instruments	118	0.56	0.22	9.14	0.79
Automatic environmental controls for monitoring residential, commercial, and appliance use	1181	0.37	0.41	8.82	2.18
Automatic environmental controls for monitoring residential, commercial, and appliance use	118105	0.37	0.41	8.82	2.18
Industrial process control instruments	1182	0.69	0.51	11.42	2.43
Industrial process control instruments	118201	0.69	0.51	11.42	2.43
Fluid meters and counting devices	1184	0.38	0.42	13.06	2.56
Fluid meters and counting devices	118401	0.38	0.42	13.06	2.56
Engineering and scientific instruments	1185	0.28	0.25	7.96	2.90
Aeronautical, nautical, and navigational instruments	118501	0.14	0.22	9.57	4.33
Hospital beds and specialized hospital furniture	118504	0.24	0.25	4.98	1.55
Measuring instruments and lenses	1186	0.19	0.20	6.41	0.89
Sighting, tracking, and fire-control equipment, optical type	118601	0.00	0.00	9.00	5.18
All other miscellaneous optical instruments and lenses	118602	0.66	0.54	2.84	1.81
Laboratory analytical instruments	118603	0.17	0.25	6.69	0.88
Measuring & controlling devices, n.e.c.	1189	0.67	0.36	9.08	2.04
Aircraft engine instruments	118901	0.00	0.00	4.20	1.24
Nuclear radiation detection & monitoring instruments	118904	0.09	0.04	11.50	3.48
Physical properties and kinematic testing equipment	118905	0.47	0.48	9.83	2.34
Commercial, geophysical, meteorological, surveying, drafting & general-purpose instruments	118906	0.51	0.61	9.12	5.36
Miscellaneous machinery	119	0.40	0.25	6.91	1.13
Oil field and gas field machinery	1191	0.10	0.10	5.66	2.05
Oil and gas field drilling, surveying, and cementing machinery (except parts sold separately)	119102	0.00	0.00	3.46	1.94
Oil field and gas field production machinery (except pumps and parts sold separately)	119104	0.00	0.00	13.43	3.23
Parts and attachments for oil and gas field machinery and equipment	119106	0.80	0.78	10.16	5.28
Mining machinery and equipment	1192	0.36	0.31	14.67	2.51
Mining machinery and equipment (except parts sold separately)	119207	0.22	0.11	15.35	2.77
Parts and attachments for mining machinery and equipment (sold separately)	119253	0.35	0.36	13.25	3.96
Office and store machines and equipment	1193	0.00	0.00	2.23	5.47
Coin-operated machines and mechanisms	119309	0.00	0.00	2.79	5.22
Internal combustion engines	1194	0.11	0.09	6.93	0.92
Diesel, semidiesel, and dual-fuel engines (except automotive)	119407	0.00	0.00	7.96	1.25
Diesel, semidiesel, and dual-fuel engines for automobiles, trucks, and buses	119408	0.01	0.01	5.92	0.60
Parts & accessories for internal combustion engines, ex. aircraft & gasoline automotive engines	119413	0.16	0.14	8.31	2.63
Machine shop products	1195	0.43	0.36	6.64	2.91
Machine shop products	119505	0.43	0.36	6.64	2.91
Turbines and turbine generator sets	1197	0.36	0.50	3.80	1.78
Turbines and turbine generator sets (excluding parts)	119701	0.36	0.50	3.80	1.78
Parts & accesories for turbines, turbine generators, and turbine generator sets	1198	0.00	0.01	17.33	14.06
Parts & accesories for turbines, turbine generators, and turbine generator sets	119801	0.00	0.01	17.33	14.06
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Furniture and household durables	12	0.68	0.27	10.32	0.92
Household furniture	121	0.43	0.29	12.10	1.44
Metal household furniture	1211	1.10	0.89	19.91	6.76
Metal household furniture	121101	1.10	0.89	19.91	6.76
Wood household furniture (nonupholstered)	1212	0.66	0.39	11.50	1.76
Living room furniture (nonupholstered), wood	121201	0.57	0.47	11.08	2.27
Dining room furniture (nonupholstered), wood	121202	0.08	0.08	10.99	3.02
Bedroom furniture (nonupholstered), wood	121203	0.49	0.52	10.93	2.70
Bodi Som rammaro (nonapriolotoroa), wood	12 1200	0.48	0.02	10.77	2.10

percent changes and median 1-month and 12-month standard errors of the perc	ent change, 20)22		Т	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Other wood household furniture	121204	0.19	0.70	14.87	3.64
Custom nonupholstered wood household furniture sold direct, excl. kitchen cabinets and vanities	121205	0.00	0.00	5.12	2.72
Upholstered household furniture	1213	0.35	0.30	15.53	3.20
Upholstered household furniture	121301	0.35	0.30	15.53	3.20
Bedding	1214	0.43	0.30	8.11	1.88
Bedding	121401	0.43	0.30	8.11	1.88
Metal porch, lawn, outdoor & casual furniture	1215	1.35	0.44	14.70	1.79
Porch and lawn furniture	121501	1.35	0.44	14.70	1.79
Nonupholstered household furniture, except wood and metal	1216	0.00	0.00	2.47	0.99
Nonupholstered household furniture, except wood and metal	121601	0.00	0.00	2.47	0.99
Commercial furniture	122	0.89	0.67	13.41	1.64
Wood office furniture and store fixtures	1221	0.70	0.52	12.27	2.36
Wood office furniture and store fixtures	122101	0.70	0.52	12.27	2.36
Nonwood furniture and store fixtures	1222	1.58	1.31	12.61	2.45
Nonwood commercial storage units, files, and tables	122202	1.14	1.92	11.17	3.00
Nonwood commercial furniture	122203	2.19	2.60	10.98	3.92
Nonwood partitions and fixtures	122204	1.19	1.73	12.10	4.74
Public building furniture	1223	0.91	0.41	20.11	5.61
Public building furniture	122301	0.91	0.41	20.11	5.61
Commercial furniture and fixtures, n.e.c.	1224	0.46	0.60	17.18	3.17
Commercial furniture and fixtures, n.e.c.	122401	0.46	0.60	17.18	3.17
Floor coverings	123	0.40	0.76	1.83	2.31
Carpets and rugs	1231	0.01	0.70	1.50	2.59
Carpet and rugs	123101	0.97	0.88	1.50	2.59
Resilient floor coverings	123101	0.00	0.00	3.40	1.74
Resilient floor coverings	123201	0.00	0.00	3.40	1.74
Household appliances	123201	0.00	0.00	10.84	1.11
	1241	0.57	0.39	10.75	1.11
Major appliances Household cooking appliances	124101	0.81	0.40	15.61	2.66
Household refrigeration equipment	124101	0.53	0.03	10.28	2.16
Other major household appliances including room air-conditioners	124103	1.25	1.13	11.32	3.16
Household vacuum cleaners, including parts and attachments	124104	0.19	0.35	11.32	3.10
	124301	0.19	0.35		
Household vacuum cleaners and other floor care machines (including parts and attachments) Electric housewares and fans	124301	0.19	0.33	11.51	3.73
Parts and attachments for small electric household appliances, including fan parts	124403	0.22	0.00	11.51	3.13
	124404	0.00	0.00		
Small electric household appliances, including fans	124404	0.19	1.38	10.91	14.50
Portable residential lighting fixtures, including parts and accessories					
Portable residential lighting fixtures, including parts and accessories	124501	0.28	1.38	10.91	14.50
Home electronic equipment	125	0.32	0.42	10.27	3.39
Speakers and commercial sound equipment	1257	0.16	0.33	12.83	2.37
Speakers and commercial sound equipment	125707	0.16	0.33	12.83	2.37
Other home electronic equipment	1258	0.05	0.12	7.65	5.52
Other home electronic equipment, including television receivers and automotive A/V equipment	125803	0.05	0.12	7.65	5.52
Other household durable goods	126	1.02	0.67	5.69	4.09
Vitreous china, fine earthenware, and other pottery products	1261	0.18	0.30	9.19	3.56
Vitreous china, porcelain, and earthenware table and kitchenware and other pottery products	126101	0.18	0.30	9.19	3.56
Mirrors (decorated and undecorated)	1265	0.00	0.00	21.67	6.83
Mirrors (decorated and undecorated), made from purchased glass	126501	0.00	0.00	21.67	6.83
Lawn/garden equipment	1266	0.85	0.84	10.79	2.88
Parts and attachments for consumer lawn, garden, and snow equipment	126605	0.60	0.73	16.79	7.08
Consumer lawn, garden, and snow equipment	126607	0.36	0.63	9.40	3.02
Cutlery, flatware (except precious), razors and razor blades	1267	0.18	0.15	9.31	1.82
Cutlery, flatware (except precious), razors and razor blades	126701	0.18	0.15	9.31	1.82
Metal kitchen utensil, pots, and pans	1268	0.00	0.00	11.60	1.29
Metal kitchen utensil, pots, and pans	126801	0.00	0.00	11.60	1.29
Window shades, blinds, and accessories	1269	0.44	1.88	21.70	7.67
Window shades, blinds, and accessories	126901	0.44	1.88	21.70	7.67
Name stallia minaral products	12	0.05	0.01	40.50	0.54
Nonmetallic mineral products	13	0.95	0.21	12.58	0.54
Glass	131	0.80	0.56	9.41	1.16

Specialty glass	percent changes and median 1-month and 12-month standard errors of the percent change, 2022						
Filt glass (float, sheet, and plate process)	Index	Index code	median absolute percent	median standard	median absolute percent	median standard	
Specialty glass	Flat glass	1311	1.02	0.73	10.22	1.41	
Other finished glassware 1313 0.22 0.20 6.12 1.24 Pressed and blown glassware 131301 0.22 0.20 6.12 1.24 Connection ingredents and related products 132 0.64 0.22 1.04 1.10 Contraction ingredents and related stone 1321 0.70 0.37 1.10 1.48 Contractin spanding agreement and gravel and crushed stone 132101 0.70 0.37 1.10 1.48 Cement, lyptaculic 132201 0.66 0.32 1.92 1.20 Cement, lyptaculic 132201 0.66 0.32 6.92 1.20 Cement lyptaculic 13321 0.70 0.55 1.20 1.21 Cement lyptaculic 133311 0.79 0.55 1.20 1.11 Concrite lyptaculic 133311 0.79 0.55 1.20 1.81 Concrite lyptaculic 133311 0.79 0.55 1.20 1.81 Concrite lyptaculic 133311 0.79 0.75	Flat glass (float, sheet, and plate process)	131105	1.71	1.54	16.31	3.26	
Present and blown glasevares (33 01 0.22 0.20 6.12 1.24 Concrete ingredents and related products (332 0.64 0.20 1.42 1.13 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	Specialty glass	131107	0.92	0.61	7.99	1.65	
Concrete ipraelements and related products Constructions and gravel, and crushed stone Construction sand, gravel and crushed stone Construction sand, gravel and crushed stone Construction sand, gravel and crushed stone Consent, tybrismulic Consent, tybrismulic Consent, tybrismulic Consent, tybrismulic Consent, tybrismulic Consent stop stone Consent products Con	Other finished glassware	1313	0.22	0.20	6.12	1.24	
Constructions and, gravel, and crushed stone Constructions and, gravel and crushed stone 13210						1.24	
Constitution sand, gravet and crushed stone 13201 0,0 0,30 0,32 8,50 1,20 Cement, hydraulic 132201 0,66 0,32 8,50 1,20 1,20 Cement, hydraulic 1331 1,12 0,64 1,33 1,12 1,20 1,10 Cement block and block 1331 1,10 0,40 0,45 1,20 1,10 Cement block 13311 0,10 0,40 0,45 1,20 1,10 Cement block 13311 0,10 0,40 0,45 1,20 1,10 Cement block 13311 0,10 0,40 0,45 1,20 1,20 1,20 Cement block 13311 0,10 0,40 0,45 1,20 1,20 1,20 Cement block 13311 0,10 0,40 0,45 1,20 1,20 1,20 1,20 Cement block 13311 0,10 0,40 0,45 1,20 1,20 1,20 2,20 Cemente block 13311 0,51 0,50 0,50 1,20 1,20 1,20 1,20 1,20 1,20 1,20 1,2						1.16	
Cament, hydraulic							
Common Inytivalialic (1942) Connecide products (133 1 1.12 0.06 0.32 8.92 1.20 Connecide products (133 1 0.79 0.55 12.01 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1							
Concrete products 133							
Cencrete block and brick							
Structural concrete block							
Decorate block							
Section 133131 0.10 0.06 13.42 3.64 Concrete piere							
Concrete pipe							
Concrete pipe							
Cencrete pipe Ready-mix concrete products Read	'						
Ready-mix concrete 1333 0.98 0.70 10.15 1.87 Ready-mix concrete 133301 0.98 0.70 10.15 1.87 Precast concrete products 13341 0.78 0.72 13.63 2.67 Prestressed concrete products 133401 0.78 0.72 13.63 2.67 Prestressed concrete products 133501 1.26 1.66 30.07 9.77 Prestressed concrete products 133501 1.26 1.66 30.07 9.77 Prestressed concrete products 13400 0.75 0.33 7.22 1.66 Ciley construction products ex, refractories 1342 0.43 0.17 9.31 1.57 Building or common brick 134201 0.44 0.15 9.25 1.65 Ciley floor and well tile, glazed and unglazed will exerce and unglazed floor and well tile, glazed and ungla							
Ready-mix concrete							
Precast concrete products 1334	,						
Precast concrete products 133401	•						
Prestressed concrete products	·						
Prestressed concrete products 138501	·						
Clay construction products ex. refractories							
Brick and structural clay tile Building or common brick 13420 0.43 0.17 9.31 1.57 Building or common brick 134202 0.06 0.25 11.18 1.59 Clay floor and wall tile, glazed and unglazed Clay floor and wall tile, glazed and unglazed Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 13441 0.43 0.51 4.04 3.16 Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 13445 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13450 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13451 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13451 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13450 0.00 0.00 7.28 3.77 Clay refractories 1352 0.00 0.00 0.00 7.28 3.77 Clay refractories 1352 0.00 0.00 7.28 3.77 Clay refractories 1353 0.89 0.70 12.30 3.119 Clay refractories 1353 0.89 0.70 12.30 3.119 Clay refractories 1353 0.89 0.70 12.30 3.79 Clay refractories 1353 0.89 0.70 12.30 3.79 Clay refractories 1353 0.89 0.70 12.30 3.79 Clay refractories 1353 0.89 0.70 12.30 3.77 Clay refractories 1353 0.89 0.70 12.30 3.77 Clay refractories (excluding dead-burned magnesia) 135201 0.00 0.00 7.28 3.77 Nonclay refractories (excluding dead-burned magnesia) 135301 0.84 0.80 15.88 4.51 Asphalt felts and coatings 136 0.36 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 1361 0.76 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 13610 0.76 0.86 19.05 4.80 Prepared asphalt and tar roofing and ement 136201 1.20 0.85 9.68 7.20 Gypsum products 137101 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 13810 0.00 0.00 12.16 5.94 Glass containers 13810 0.00 0.00 12.16 5.94 Glass containers 13810 0.00 0.00 12.16 5.94 Glass containers 1390 0.00 0.00 12.16 5.94 Glass containers 1390 0.00 0.00 12.16 5.94 Glass containers and blocks 13940 1.99 0.97 18.39 2.32 Paving mixtures and blocks 13940 1.99 0.97 18.39 2.32 Paving mixtures and blocks 13940 1.99 0							
Building or common brick Glazed brick and other brick (paving, floor, and sewer) 134202 0.06 0.25 11.18 1.96 Glazed brick and other brick (paving, floor, and sewer) 1344 0.43 0.51 14.04 3.16 Clay floor and wall tile, glazed and unglazed 1344 0.43 0.51 14.04 3.16 Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 1345 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 134501 0.19 0.58 6.49 2.58 Refractories 1355 0.89 0.70 12.30 3.19 Clay refractories 13561 0.00 0.00 7.28 3.77 Clay refractories 135621 0.00 0.00 7.28 3.77 Nonclay refractories 13533 0.84 0.80 15.88 4.51 Nonclay refractories (excluding dead-burned magnesia) 13530 0.84 0.80 15.88 4.51 Nonclay refractories (excluding dead-burned magnesia) 1360 0.80 0.75 0.80 0.80 0.75 0.80 0.80 0.75 0.80 0.80 0.75 0.80 0.80 0.75 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.8							
Glazed brick and other brick (paving, floor, and sewer) Clay floor and wall title, glazed and unglazed (Clay floor and wall title, glazed and unglazed (including quarry tile and ceramic mosaic tile) 134401 0.43 0.51 4.04 3.16 Structural clay products, n.e.c. 1345 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 1345 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 1345 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 1345 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13450 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13450 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 13450 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 1350 0.89 0.70 12.30 139 0.89 0.70 12.30 139 0.89 0.70 12.30 139 0.89 0.70 12.30 139 0.89 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 139 0.80 0.70 12.30 149 0.80 15.88 4.51 Nonclay refractories (excluding dead-burned magnesia) 136 0.86 0.75 17.99 4.24 Prepared asphalt and far roofing and siding products 136 0.86 0.75 17.99 4.24 Prepared asphalt and far roofing and siding products 136 0.78 0.86 19.05 4.80 Prepared asphalt and far roofing and siding products 136 0.78 0.86 19.05 4.80 Prepared asphalt and far roofing and siding products 137 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roysum products 137 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Mineral wool for thermal and acoustical envelope insulation 13901 0.67 0.68 19.38 2.32 Mineral wool for thermal and acoustical envelope insulation 13901 0.66 0.75 16.62 2.29 Mineral wool for th							
Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 13441 0.43 0.51 4.04 3.16 Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 134401 0.43 0.51 4.04 3.16 Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 134501 0.19 0.58 6.49 2.58 Clay curry and the control of the							
Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) 134401 0.43 0.51 4.04 3.16 Structural clay products, n.e.c. 134501 0.19 0.58 6.49 2.58 Refractories 1350 0.89 0.70 12.30 3.19 Clay refractories 1350 0.89 0.70 12.30 3.19 Clay refractories 1352 0.00 0.00 7.28 3.77 Clay refractories 135201 0.00 0.00 7.28 3.77 Nonclay refractories 135201 0.00 0.00 7.28 3.77 Nonclay refractories 1353 0.84 0.80 15.88 4.51 Nonclay refractories 1361 0.76 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 13620 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Glass containers (13810 0.00 0.00 12.16 5.94 Glass containers (1390 0.00 0.00 0.00 12.16 5.94 Glass containers (1390 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0							
Structural clay products, n.e.c. 1345 0.19 0.58 6.49 2.58 Structural clay products, n.e.c. 134501 0.19 0.58 6.49 2.58 Refractories 135 0.08 0.70 12.30 3.19 Clay refractories 1352 0.00 0.00 7.28 3.77 Clay refractories 13520 0.00 0.00 7.28 3.77 Nonclay refractories 13531 0.04 0.00 0.00 7.28 3.77 Nonclay refractories (excluding dead-burned magnesia) 13531 0.84 0.80 15.88 4.51 Asphalt felts and coatings 136 0.86 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 13610 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Gypsum products						3.16	
Structural clay products, n.e.c. 134501 0.19 0.58 6.49 2.58 Refractories 135 0.89 0.70 12.30 3.19 Clay refractories 1352 0.00 0.00 7.28 3.77 Clay refractories 135201 0.00 0.00 7.28 3.77 Nonclay refractories 135301 0.84 0.80 15.88 4.51 Nonclay refractories 13531 0.84 0.80 15.88 4.51 Nonclay refractories 1366 0.86 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Roysum products 1371 0.45 0.43 18.35 1.94 Roysum products 137101 0.45 0.43 18.35 1.94 Roysum products 137101 0.45 0.43 18.35 1.94 Roysum products 137101 0.45 0.43 18.35 1.94 Roysum products 13810 0.00 0.00 12.16 5.94 Rolass containers 1381 0.00 0.00 12.16 5.94 Rolass containers 138101 0.00 0.00 12.16 5.94 Rolass containers 138101 0.00 0.00 12.16 5.94 Rolass containers 1390 0.75 0.57 16.62 2.29 Rolineral wool for industrial, equipment, and appliance insulation 13920 0.77 0.96 11.66 3.29 Raying mixtures and blocks 1394 1.94 0.97 18.39 2.32 Raying mixtures and blocks 13940 1.94 0.97 18.39 2.32 Raying mixtures and stone products 13950 0.56 0.58 15.85 4.46 Roakets, packing and sealing devices 13980 0.47 0.51 0.54 0.55 Rasking and sealing devices 13980 0.47 0.51 0.56 0.58 15.85 4.46 Rasking and sealing devices 13980 0.47 0.51 0.56 0.58 15.85 4.46 Rasking and sealing devices 13980 0.47 0.51 0.56 0.58 15.85 4.46 Rasking and sealing devices 13980 0.47 0.51 0.56 0.58 15.85 Raking and sealing devices 13980 0.47 0.51 0.56 0.58 15		1345	0.19	0.58	6.49	2.58	
Refractories 135 0.89 0.70 12.30 3.19 Clay refractories 1352 0.00 0.00 7.28 3.77 Clay refractories 135201 0.00 0.00 7.28 3.77 Nonclay refractories 1353 0.84 0.80 15.88 4.51 Nonclay refractories (excluding dead-burned magnesia) 135301 0.84 0.80 15.88 4.51 Asphalt felts and coatings 136 0.86 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalts and tar roofing and siding products 136101 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 <t< td=""><td></td><td>134501</td><td></td><td>0.58</td><td></td><td>2.58</td></t<>		134501		0.58		2.58	
Clay refractories 135201 0.00 0.00 7.28 3.77 Nonclay refractories 1353 0.84 0.80 15.88 4.51 Nonclay refractories (excluding dead-burned magnesia) 135301 0.84 0.80 15.88 4.51 Asphalt felts and coatings 136 0.86 0.75 17.99 4.22 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Gypsum products 1371 0.45 0.43 18.35 1.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.32 Mineral wool for internal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.32 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Cut stone and stone products 1398 0.43 0.46 0.45 18.35 1.84 Gaskets, packing, and sealing devices 1398 0.47 0.56 0.56 15.85 4.46 Gaskets, packing, and sealing devices 139801 0.12 0.66 7.46 4.11 Packing and sealing 139801 0.12 0.67 0.65 0.55 0.55 0.55 0.55 0.55 0.55 0.55	Refractories	135	0.89	0.70	12.30	3.19	
Nonclay refractories 1353 0.84 0.80 15.88 4.51 Nonclay refractories (excluding dead-burned magnesia) 135301 0.84 0.80 15.88 4.51 Asphalt felts and coatings 1366 0.86 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 13611 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 136101 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for industrial, equipment, and appliance insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139201 0.67 0.68 19.38 2.73 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 13950 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 139801 0.12 0.66 7.46 4.11 Packing and sealing material 139801 0.12 0.66 7.46 4.11 Packing and sealing material 139801 0.12 0.66 7.46 4.11 Packing and sealing devices 139801 0.12 0.66 7.46 4.11 Packing and sealing devices 139801 0.12 0.66 7.46 4.11 Packing and sealing devices 139801 0.12 0.66 7.46 4.11 Packing and sealing devices 139801 0.12 0.66 7.46 4.11 Packing and sealing devices 139801	Clay refractories	1352	0.00	0.00	7.28	3.77	
Nonclay refractories (excluding dead-burned magnesia) Asphalt felts and coatings 136 0.86 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 136 10.78 0.86 19.05 4.80 Reofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 13620 1.20 0.85 9.68 7.20 Roysum products 137 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Glass containers 1388 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 13810 0.00 0.00 12.16 5.94 Mineral wool for thermal and acoustical envelope insulation 13920 0.77 0.96 11.60 3.29 Paving mixtures and blocks 13940 1.94 0.97 18.39 2.32 Cut stone and stone products 1398 0.43 0.46 0.47 0.45 0.48 15.88 4.51 4.94 4.51 4.94 4.97 18.39 4.24 4.51 4.51 4.51 4.51 4.51 4.51 4.51 4.5	Clay refractories	135201	0.00	0.00	7.28	3.77	
Asphalt felts and coatings 136 0.86 0.75 17.99 4.24 Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 136101 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 13620 1.20 0.85 9.68 7.20 Gypsum products 137 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 13710 0.45 0.43 18.35 1.94 Gypsum products 13810 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 13920 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 13940 1.94 0.97 18.39 2.32 Cut stone and stone products 13980 0.47 0.51 9.54 2.56 Gaskets, packing, and sealing 139801 0.12 0.66 7.46 4.11 Packing and sealing	Nonclay refractories	1353	0.84	0.80	15.88	4.51	
Prepared asphalt and tar roofing and siding products 1361 0.78 0.86 19.05 4.80 Prepared asphalt and tar roofing and siding products 136101 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Gypsum products 137 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 </td <td>Nonclay refractories (excluding dead-burned magnesia)</td> <td>135301</td> <td>0.84</td> <td>0.80</td> <td>15.88</td> <td>4.51</td>	Nonclay refractories (excluding dead-burned magnesia)	135301	0.84	0.80	15.88	4.51	
Prepared asphalt and tar roofing and siding products 136101 0.78 0.86 19.05 4.80 Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Gypsum products 137 0.45 0.43 18.35 1.94 Gypsum products 13710 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Pa	Asphalt felts and coatings	136	0.86	0.75	17.99	4.24	
Roofing asphalts, pitches, coatings, and cement 1362 1.20 0.85 9.68 7.20 Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20 Gypsum products 137 0.45 0.43 18.35 1.94 Gypsum products 13710 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Other nonmetallic minerals (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29	Prepared asphalt and tar roofing and siding products	1361	0.78	0.86	19.05	4.80	
Roofing asphalts, pitches, coatings, and cement 136201 1.20 0.85 9.68 7.20	Prepared asphalt and tar roofing and siding products	136101	0.78	0.86	19.05	4.80	
Gypsum products 137 0.45 0.43 18.35 1.94 Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing d		1362	1.20	0.85	9.68	7.20	
Gypsum products 1371 0.45 0.43 18.35 1.94 Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 13811 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139801 0.45 0.46 8.47 2.55 Gaske	Roofing asphalts, pitches, coatings, and cement	136201	1.20	0.85	9.68	7.20	
Gypsum products 137101 0.45 0.43 18.35 1.94 Glass containers 138 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Ga	Gypsum products					1.94	
Glass containers 138 0.00 0.00 12.16 5.94 Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 139801 0.12 0.66 7.46 4.11						1.94	
Glass containers 1381 0.00 0.00 12.16 5.94 Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.94</td>						1.94	
Glass containers (including value of packaging) 138101 0.00 0.00 12.16 5.94 Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.						5.94	
Other nonmetallic minerals 139 0.69 0.47 13.29 1.25 Insulation materials 1392 0.75 0.57 16.62 2.29 Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56						5.94	
Insulation materials	, , , , , , , , , , , , , , , , , , , ,					5.94	
Mineral wool for thermal and acoustical envelope insulation 139201 0.67 0.68 19.38 2.73 Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56						1.25	
Mineral wool for industrial, equipment, and appliance insulation 139202 0.77 0.96 11.66 3.29 Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56							
Paving mixtures and blocks 1394 1.94 0.97 18.39 2.32 Paving mixtures and blocks 139401 1.94 0.97 18.39 2.32 Cut stone and stone products 1395 0.56 0.58 15.85 4.46 Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56							
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Cut stone and stone products 139501 0.56 0.58 15.85 4.46 Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56							
Gaskets, packing, and sealing devices 1398 0.43 0.46 8.47 2.55 Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56							
Gaskets and gasketing material 139801 0.12 0.66 7.46 4.11 Packing and sealing 139802 0.47 0.51 9.54 2.56							
Packing and sealing 139802 0.47 0.51 9.54 2.56							
	Nonmetallic minerals and products, n.e.c.	139802	0.47	0.51	9.54 8.71	2.03	

percent changes and median 1-month and 12-month standard errors of the pe	o or the percent change, 2022				
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Industrial sand	139901	0.00	0.00	5.58	3.33
Clay and stone mining and quarrying	139902	0.87	0.65	8.28	2.28
All other nonmetallic mineral products	139903	0.26	0.52	9.97	4.55
Transportation equipment	14	0.42	0.09	5.00	0.31
Motor vehicles and equipment	141	0.35	0.11	5.31	0.41
Motor vehicles	1411	0.31	0.15	3.81	0.50
Passenger cars and chassis	141101	0.06	0.16	2.84	0.73
Motorcycles, including three-wheel motorbikes, motorscooters, mopeds, and parts	141104	0.04	0.05	0.32	0.27
Trucks, truck tractors, & bus chassis 14,000 lb or less, incl. minivans & suvs	141105	0.44	0.19	4.80	0.64
Trucks, over 14,000 lbs GVW	141106	0.05	0.09	2.53	1.06
Motor vehicles parts	1412	0.26	0.20	4.97	0.77
Motor vehicles parts	141205	0.26	0.20	4.97	0.77
Truck and bus bodies	1413	0.98	0.43	15.70	2.18
Truck and bus bodies sold separately	141301	0.34	0.47	15.86	3.45
Complete vehicles on purchased chassis	141302	1.18	0.35	14.70	1.73
Truck trailers	1414	0.53	0.28	33.23	3.07
Truck trailers	141406	0.53	0.28	33.23	3.07
Motor homes, built on purchased chassis	1415	0.16	0.21	4.35	2.69
Motor homes, built on purchased chassis	141501	0.16	0.21	4.35	2.69
Travel trailers and campers	1416	0.32	0.29	18.92	1.68
Travel trailers	141601	0.35	0.35	20.71	2.02
Camping trailers, campers, pick-up covers, and parts	141602	0.08	0.09	12.75	3.21
Aircraft and aircraft equipment	142	0.28	0.07	3.83	0.45
Aircraft	1421	0.38	0.08	4.70	0.50
Civilian aircraft	142102	0.57	0.02	5.41	0.13
Military aircraft	142104	0.00	0.00	3.05	1.40
Aircraft engine and engine parts	1423	0.29	0.18	3.38	0.88
Aircraft engine and engine parts Other eigenfunctions	142301 1425	0.29 0.05	0.18	3.38 2.20	0.88
Other aircraft parts and equipment Other aircraft parts and equipment	1425	0.05	0.07	2.20	1.15 1.15
Ships and boats	142501	0.03	0.07	7.23	2.78
Ships and boats Ships	1431	0.32	0.25	5.54	3.93
Military self-propelled ships, new construction	143102	0.10	0.23	0.86	0.89
Nonmilitary self-propelled ships, new construction	143102	0.54	0.03	9.08	2.99
Boats	143103	0.81	0.44	11.06	0.86
Outboard motorboats, including commercial and military (except sailboats and lifeboats)	143201	0.66	0.20	13.28	1.31
Inboard motorboats, including commercial and military (except sailboats and lifeboats)	143202	0.68	0.37	10.66	1.43
Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	143203	0.00	0.00	7.45	1.91
All other boats (excluding military and commercial)	143204	0.01	0.01	5.10	0.83
Railroad equipment	144	0.04	0.05	2.38	3.18
Railway maintenance of way equipment and parts	144501	0.23	0.20	2.00	00
Transportation equipment, n.e.c.	149	0.22	0.19	11.48	2.16
Transportation equipment, n.e.c.	1491	0.22	0.19	11.48	2.16
Other transportation equipment, incl. golf carts, vehicle trailers, and all-terrain vehicles	149111	0.22	0.19	11.48	2.16
Miscellaneous products	15	0.76	0.18	8.56	0.85
Toys, sporting goods, small arms, etc.	151	0.69	0.41	11.26	5.24
Toys, games, and children's vehicles	1511	0.00	0.00	4.77	4.52
Toys, games, and children's vehicles	151101	0.00	0.00	4.77	4.52
Sporting and athletic goods	1512	1.22	0.68	17.70	10.11
Sporting and athletic goods	151201	1.22	0.68	17.70	10.11
Small arms and ammunition	1513	0.03	0.02	2.64	1.24
Small arms	151301	0.00	0.00	0.84	0.87
Small arms ammunition	151302	0.00	0.00	4.84	2.57
Other small arms ammunition products	151303	0.00	0.00	6.50	3.58
Tobacco products, incl. stemmed & redried	152	0.67	0.14	9.78	0.46
Cigarettes, excluding electronic	1521	0.77	0.16	10.29	0.49
Cigarettes, excluding electronic	152101	0.77	0.16	10.29	0.49
Stemmed and redried tobacco	1524	0.20	0.07	0.67	0.24

percent changes and median 1-month and 12-month standard errors of the	percent change, 20	122			
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Stemmed and redried tobacco	152402	0.20	0.07	0.67	0.24
Other tobacco products	1525	0.22	0.08	7.06	1.55
Other tobacco products	152501	0.22	0.08	7.06	1.55
Notions	153	0.23	0.25	12.60	2.48
Fasteners, zippers, buttons, needles, pins, and buckles	1532	0.23	0.25	12.60	2.48
Fasteners, zippers, buttons, needles, pins, and buckles	153201	0.23	0.25	12.60	2.48
Photographic equipment and supplies	154	0.67	0.62	9.33	2.35
Photographic supplies	1542	0.88	0.82	9.80	3.06
Photographic supplies	154206	0.88	0.82	9.80	3.06
Mobile homes	155	0.82	0.62	18.49	3.07
Manufactured homes (mobile homes), all sizes (incl. multisection)	1553	0.82	0.62	18.49	3.07
Manufactured mobile homes and nonresidential mobile buildings	155303	0.82	0.62	18.49	3.07
Medical, surgical & personal aid devices	156	0.27	0.17	3.30	1.26
Surgical and medical instruments	1562	0.16	0.24	2.77	2.10
Surgical and medical instruments	156201	0.16	0.24	2.77	2.10
Medical and surgical appliances and supplies	1563	0.24	0.28	4.63	1.87
Medical and surgical appliances and supplies	156301	0.24	0.28	4.63	1.87
Ophthalmic goods	1564	0.11	0.11	4.78	1.07
Ophthalmic goods	156401	0.11	0.11	4.78	1.07
Dental equipment and supplies	1565	1.49	0.96	4.12	3.21
Dental equipment and supplies	156501	1.49	0.96	4.12	3.21
Other industrial safety equipment	157	0.01	0.05	10.72	2.33
Personal safety equipment and clothing	1571	0.01	0.05	10.72	2.33
Personal safety equipment and clothing	157108	0.01	0.05	10.72	2.33
Other miscellaneous products	159	0.72	0.45	13.43	2.01
Burial caskets	1591	0.01	0.01	9.02	1.43
Burial caskets	159101	0.01	0.01	9.02	1.43
Musical instruments	1593	0.60	0.35	7.51	1.21
Musical instruments	159301	0.60	0.35	7.51	1.21
Jewelry and jewelry products	1594	0.98	0.33	7.03	2.50
Jewelry (gold and platinum) and silverware	159402	1.43	0.50	8.39	4.09
Costume jewelry and novelties	159404	0.00	0.00	6.52	3.76
All other jewelry and personal goods (excluding costume)	159407	0.61	0.52	7.16	2.59
Jewelers' material and lapidary work	159408	0.22	0.45	2.04	2.33
Pens, pencils, and marking devices	1595	0.11	0.19	8.57	4.75
Pens, markers, mechanical pencils, and associated parts	159502	0.10	0.12	4.17	1.29
Lead pencils, art goods, office supplies and small office equipment, excluding paper	159503	0.00	0.00	13.84	9.53
Marking devices	159504	0.00	0.00	7.05	6.53
Brooms and brushes	1597	0.22	0.18	5.96	0.91
Brooms, brushes and mops	159705	0.22	0.18	5.96	0.91
Miscellaneous products, n.e.c.	159A	0.22	0.77	17.19	3.51
Candles	159A01	0.00	0.00	9.11	5.50
Signs and advertising displays	159A04	0.65	0.00	13.64	4.18
All other miscellaneous fabricated products and recyclable materials	159A04 159A09	0.80	0.73	21.42	6.38
Reproduction of audio and video media and software	159A09	0.80	0.72	18.02	3.78
Reproduction of audio and video media and software	159D01	0.84	0.31	18.02	3.78
reproduction of audio and video media and software	139001	0.04	0.31	10.02	3.76
Services Transportation services	30	0.93	0.45	15.96	1.22
Transportation of freight and mail	301	1.16	0.52	14.98	1.41
Rail transportation of freight and mail	3011	0.64	0.32	9.37	0.58
Rail transportation of freight and mail	301101	0.64	0.20	9.37	0.58
Truck transportation of freight	3012	1.65	0.20	19.58	2.72
Local motor carrying	301201	1.05	0.98	18.37	5.14
Long-distance motor carrying	301201	1.03	1.26	22.05	2.60
Water transportation of freight	301202	1.03	1.20	28.17	3.78
Deep sea water transportation of freight	301301	1.03	2.09	29.45	5.76
Coastal and intercoastal water transportation of freight	301301	1.69	0.21	31.97	2.68
Great Lakes-St Lawrence Seaway water transportation of freight			1.03		
	301303	1.00	0.79	14.58	1.44 3.74
Inland waterways transportation of freight	301304	1.07	0.79	19.93	3.74

percent changes and median 1-month and 12-month standard errors of the po	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Air transportation of freight	3014	1.74	1.54	10.12	4.29
Air transportation of freight	301401	1.74	1.54	10.12	4.29
Courier, messenger, and U.S. postal services	3016	0.61	0.03	8.97	0.69
U.S. Postal Service	301601	0.00	0.00	5.54	1.55
Courier and messenger services, except air	301602	0.34	0.05	9.84	0.29
Air mail and package delivery services, excluding by USPS	301603	2.41	0.04	15.94	0.44
Pipeline transportation of petroleum products	301701	0.00	0.00		
Transportation of passengers (partial)	302	4.28	1.22	19.49	2.24
Rail transportation of passengers	3021	0.00	0.00	2.15	0.73
Rail transportation of passengers	302101	0.00	0.00	2.15	0.73
Airline passenger services	3022	4.34	1.23	19.80	2.28
Airline passenger services	302201	4.34	1.23	19.80	2.28
Services related to transportation activities	31	1.31	1.86	8.44	8.86
Services related to water transportation	311	0.22	0.28	4.74	1.36
Towing, tugging, docking, and related services	3111	0.45	0.66	9.96	4.21
Towing, tugging, docking and related services	311101	0.45	0.66	9.96	4.21
Operation of port waterfront terminals	3112	0.79	0.81	4.16	2.00
Operation of port waterfront terminals	311201	0.79	0.81	4.16	2.00
Marine cargo handling	3113	0.03	0.06	1.94	0.46
Marine cargo handling	311301	0.03	0.06	1.94	0.46
Services related to air transportation	312	0.98	0.82	1.51	2.44
Other airport operations, excluding aircraft maintenance and repair	3121	0.98	0.82	1.51	2.44
Other airport operations, excluding aircraft maintenance and repair	312101	0.98	0.82	1.51	2.44
Other services related to transportation activities (partial)	313	1.82	3.11	15.02	14.64
Arrangement of freight and cargo	3131	3.27	5.13	23.13	18.49
Arrangement of freight and cargo	313101	3.27	5.13	23.13	18.49
Freight forwarding	3132	0.30	1.11	7.76	10.34
Freight forwarding	313201	0.30	1.11	7.76	10.34
Warehousing, storage, and related services	32	4.04	3.06	12.65	7.77
Warehousing, storage, and related services	321	4.04	3.06	12.65	7.77
Warehousing, storage, and related services	3211	4.04	3.06	12.65	7.77
Warehousing, storage, and related services	321101	4.04	3.06	12.65	7.77
Publishing sales, excluding software	33	0.38	0.49	3.70	0.89
Book, periodical, and newspaper publishing sales and subscriptions	331	0.61	0.68	4.33	1.29
Sales of books	3311	0.75	0.98	6.39	1.71
Sales of textbooks	331101	2.13	2.45	7.42	4.57
Sales of technical, scientific, and professional books	331102	0.27	0.23	10.95	2.81
Sales of religious books	331103	2.29	1.83	9.69	5.29
Sales of general adult and juvenile books	331104	0.60	0.99	0.68	1.79
Sales of general reference books	331105	2.08	1.84	3.99	3.62
Sales of digital books	331106	1.51	1.33	2.10	2.62
Sales and subscriptions of periodicals and newspapers	3312	0.53	0.46	1.99	1.20
Sales and subscriptions of periodicals	331201	0.00	0.00	0.28	0.19
Newspaper subscription and single copy sales	331202	0.76	0.71	4.45	2.25
Directory, mailing list, and related compilations publishing sales	332	2.73	2.84	10.02	7.75
Directory, mailing list, and related compilations publishing sales	3321	2.73	2.84	10.02	7.75
Directory, mailing list, and related compilations publishing sales	332101	2.73	2.84	10.02	7.75
Greeting card publishing sales	333	0.09	0.10	2.04	1.82
Greeting card publishing sales	3331	0.09	0.10	2.04	1.82
Greeting card publishing sales	333101	0.09	0.10	2.04	1.82
Calendars, yearbooks, and other miscellaneous publishing sales	334	0.09	0.10	0.76	2.11
Calendars, yearbooks, and other miscellaneous publishing sales Calendars, yearbooks, and other miscellaneous publishing sales	3341	0.09	0.10	0.76	2.11
Calendars, yearbooks, and other miscellaneous publishing sales Calendars, yearbooks, and other miscellaneous publishing sales	334101	0.09	0.10	0.76	2.11
Internet publishing and broadcasting subscription, content access, and licensing sales	335	0.09	0.10	1.84	0.99
					0.99
Internet publishing and broadcasting subscription, content access, and licensing sales	3351	0.18	0.23	1.84	
Internet publishing and broadcasting subscription, content access, and licensing sales	335101	0.18	0.23	1.84	0.99

percent changes and median 1-month and 12-month standard errors of the per Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Software publishing	34	0.97	0.86	1.34	3.35
Application software publishing	342	1.12	1.20	1.56	4.83
Application software publishing	3421	1.12	1.20	1.56	4.83
Desktop and portable device application software publishing	342101	0.80	1.11	1.07	2.62
Application software publishing, cross-industry, vertical market, utilities, and other	342103	1.28	0.97	1.91	7.91
Application software publishing, game software	342104	2.11	3.09	17.07	35.40
Network compensation from broadcast and cable television and radio	35	0.02	0.01	3.73	0.78
Affiliate agreements, programming sales, and retransmission fees for cable and broadcast tv	351	0.00	0.00	3.80	0.79
Affiliate agreements, programming sales, and retransmission fees for cable and broadcast tv	3511	0.00	0.00	3.80	0.79
Affiliate agreements, programming sales, and retransmission fees for cable and broadcast tv	351101	0.00	0.00	3.80	0.79
Affiliate agreements, programming sales, and retransmission fees for radio	352	1.04	0.42	0.60	0.20
Affiliate agreements, programming sales, and retransmission fees for radio	3521	1.04	0.42	0.60	0.20
Affiliate agreements, programming sales, and network compensation for radio	352101	1.04	0.42	0.60	0.20
Advertising space and time sales	36	2.31	1.81	2.90	3.12
Advertising space sales in periodicals, newspapers, directories, and mailing lists	361	0.65	0.83	0.66	1.46
Advertising space sales in periodicals and newspapers	3611	0.79	0.99	0.69	1.74
Advertising space sales in periodicals	361101	0.00	0.00	1.85	1.47
Advertising space sales in newspapers	361102	1.35	1.75	1.36	3.08
Advertising space sales in directories and mailing lists	3612	0.00	0.00	0.04	0.04
Print advertising space sales in directories and mailing lists	361201	0.00	0.00	0.04	0.04
Television advertising time sales	362	3.78	3.25	4.48	7.59
Television advertising time sales	3621	3.78	3.25	4.48	7.59
Broadcast and network television advertising time sales	362101	4.27	2.82	4.91	4.21
Cable network advertising time sales	362102	3.22	3.49	9.15	8.34
Local cable system advertising time sales	362103	0.00	0.00	0.00	0.00
Radio advertising time sales	363	4.18	2.36	3.75	4.62
Radio advertising time sales	3631	4.18	2.36	3.75	4.62
Radio advertising time sales	363101	4.18	2.36	3.75	4.62
Internet advertising sales, excluding Internet advertising sold by print publishers	365	1.34	2.43	11.33	7.57
Internet advertising sales, excluding Internet advertising sold by print publishers	3651	1.34	2.43	11.33	7.57
Internet advertising sales, excluding Internet advertising sold by print publishers	365101	1.34	2.43	11.33	7.57
Telecommunication, cable, and internet user services	37	0.34	0.20	2.36	1.19
Wired telephone services	371	0.08	0.23	1.03	0.69
Residential wired telephone services	3711	0.05	0.12	1.90	1.30
Local residential wired telephone service	371101	0.00	0.00	0.02	0.02
Long distance residential wired telephone service	371102	0.09	0.14	4.36	2.33
All-distance residential wired telephone service	371103	0.06	0.06	0.72	0.30
Business wired telephone services	3712	0.06	0.34	1.00	1.03
Local business wired telephone service	371201	0.11	0.38	2.11	0.85
Long distance business wired telephone and other toll service	371202	0.37	1.43	1.30	6.07
Private line wired telephone service	371204	0.07	0.14	0.51	0.42
Other telephone services	3713	0.00	0.00	0.16	0.15
Other wired telephone services	371301	0.00	0.00	0.16	0.15
Wireless telecommunication services	372	0.01	0.02	0.90	0.90
Cellular phone and other wireless telecommunication services	3721	0.01	0.02	0.90	0.90
Cellular phone and other wireless telecommunication services	372101	0.01	0.02	0.90	0.90
Cable and satellite subscriber services	373	0.63	0.30	3.87	5.80
Cable and satellite subscriber services	3731	0.63	0.30	3.87	5.80
Cable and satellite subscriber services	373101	0.63	0.30	3.87	5.80
Internet access services	374	0.09	0.19	0.83	0.72
Internet access services	3741	0.09	0.19	0.83	0.72
Residential Internet access services	374102	0.28	0.32	1.05	1.16
Business Internet access services	374103	0.03	0.17	0.53	0.58
Bundled wired telecommunications access services	375	0.27	0.29	4.51	1.72
Bundled wired telecommunications access services	3751	0.27	0.29	4.51	1.72
Bundled wired telecommunications access services	375101	0.27	0.29	4.51	1.72

percent changes and median 1-month and 12-month standard errors of the percent change, 2022							
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error		
Data processing and related services	38	0.14	0.21	0.93	1.68		
Data processing and related services	381	0.14	0.21	0.93	1.68		
Data processing and related services	3811	0.14	0.21	0.93	1.68		
Hosting, ASP and other IT infrastructure provisioning services	381101	0.27	0.36	1.82	2.79		
Business process management services (partial)	381102	0.00	0.00	0.18	0.19		
Data management, information transformation and other services	381103	0.00	0.00	0.21	0.17		
Credit intermediation services (partial)	39	1.95	0.66	5.18	1.87		
Loan services (partial)	391	3.29	0.89	11.18	2.89		
Business loans (partial)	3911	5.01	1.53	22.14	6.18		
Business loans (partial)	391101	5.01	1.53	22.14	6.18		
Consumer loans (partial)	3912	1.31	0.92	1.94	2.41		
Residential real estate loans (partial)	391201	1.70	1.17	2.32	2.89		
Vehicle loans (partial)	391202	3.91	2.27	1.56	5.28		
Credit cards, overdraft credit, and related plans (partial)	391203	1.92	1.71	3.86	3.56		
Other loans and loan services (partial)	3913	1.29	1.44	10.20	5.41		
Other loans and loan services (partial)	391301 392	1.29		10.20	5.41		
Deposit services (partial) Deposit services (partial)	392	1.13 1.13	1.00	5.13 5.13	2.09		
Deposit services (partial) Deposit services (partial)	392101		1.00	5.13	2.09		
	393	1.13 0.33	0.79	2.05			
Other credit intermediation services, including trust services (partial) Other credit intermediation services, including trust services (partial)	3931	0.33	0.79	2.05	4.49 4.49		
	393101	0.33	0.79	2.05	4.49		
Other credit intermediation services, including trust services (partial)	393101	0.33	0.79	2.05	4.49		
Investment services	40	1.40	1.00	4.44	2.72		
Securities brokerage, dealing, investment advice, and related services	401	2.94	1.96	4.85	7.13		
Securities brokerage, dealing, investment advice, and related services	4011	2.94	1.96	4.85	7.13		
Securities brokerage, dealing, and investment advice	401101	2.68	2.47	11.28	6.53		
Securities brokerage and dealing related services (partial)	401102	7.99	1.83	56.19	19.52		
Portfolio management	402	2.03	0.83	10.15	2.68		
Portfolio management	4021	2.03	0.83	10.15	2.68		
Portfolio management	402101	2.03	0.83	10.15	2.68		
Investment banking	403	1.36	0.83	7.64	3.16		
Investment banking	4031	1.36	0.83	7.64	3.16		
Investment banking	403101	1.36	0.83	7.64	3.16		
Insurance and annuities	41	0.13	0.16	1.54	0.55		
Insurance	411	0.14	0.14	1.99	0.58		
Insurance	4111	0.14	0.14	1.99	0.58		
Life insurance	411101	0.09	0.12	3.01	1.12		
Disability insurance, including accidental death	411102	0.00	0.00	0.27	0.32		
Health and medical insurance	411103 411104	0.07	0.08	2.20	1.13		
Property and casualty insurance Annuities	411104	0.16 0.33	0.24	1.77 1.69	0.87 1.34		
Annuities	4121	0.33	0.42	1.69	1.34		
Annuities	412101	0.33	0.42	1.69	1.34		
Commissions and fees from sales and administration of insurance policies (partial)	42	0.02	0.04	0.27	0.48		
Commissions from sales of insurance	421	0.02	0.04	0.27	0.48		
Commissions from sales of insurance	4211	0.02	0.04	0.27	0.48		
Commissions from sales of life insurance and annuities	421101	0.00	0.00	0.26	0.52		
Commissions from sales of health and medical insurance	421102	0.00	0.00	0.43	0.34		
Commissions from sales of property and casualty insurance	421103	0.02	0.04	0.29	0.72		
Commissions from sales of other insurance	421104	0.00	0.00	0.12	0.11		
Real estate services (partial)	43	0.56	0.65	6.25	1.00		
Nonresidential real estate services	431	1.07	0.99	4.69	1.51		
Nonresidential real estate rents	4311	1.31	1.15	4.47	1.72		
Office buildings, gross rents	431101	0.41	0.57	1.98	1.80		
Retail properties, gross rents	431102	3.27	2.51	4.73	3.29		

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Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Industrial buildings, gross rents	431103	0.14	0.35	3.43	1.07
Self-service storage and miniwarehouses, gross rents	431104	1.10	0.29	16.31	1.42
Other nonresidential buildings, gross rents	431105	2.94	6.26	4.63	9.28
Nonresidential property sales and leases including land, brokerage fees and commissions	4312	0.27	0.35	6.90	1.18
Nonresidential property sales and leases including land, brokerage fees and commissions	431201	0.27	0.35	6.90	1.18
Nonresidential property management fees	4313	0.75	0.83	5.48	3.34
Nonresidential property management fees	431301	0.75	0.83	5.48	3.34
Residential real estate services (partial)	432	0.49	0.23	8.41	1.27
Residential property sales and rental, brokerage fees and commissions	4321	0.66	0.18	10.39	1.65
Residential property sales and rental, brokerage fees and commissions	432101	0.66	0.18	10.39	1.65
Residential property management fees	4322	0.33	0.37	3.02	1.35
Residential property management fees	432201	0.33	0.37	3.02	1.35
Real estate appraisal fees	433	0.55	0.64	10.13	2.25
Real estate appraisal fees	4331	0.55	0.64	10.13	2.25
Real estate appraisal fees	433101	0.55	0.64	10.13	2.25
год осило ирргина госо	700101	0.33	0.04	10.13	2.23
Rental and leasing of goods (partial)	44	1.87	0.95	4.32	2.14
Passenger car rental	441	3.47	1.77	3.75	4.20
Passenger car rental	4411	3.47	1.77	3.75	4.20
Passenger car rental	441101	3.47	1.77	3.75	4.20
Truck, trailer, and RV rental and leasing	442	0.71	0.39	4.11	1.16
Truck, trailer, and RV rental and leasing	4421	0.71	0.39	4.11	1.16
Truck, truck trailer and RV rental	442101	1.24	0.72	6.52	1.86
Truck, truck trailer and RV leasing	442102	0.78	0.49	2.74	1.27
Construction, mining, and forestry machinery and equipment rental and leasing	443	0.24	0.43	4.68	1.49
Construction, mining, and forestry machinery and equipment rental and leasing	4431	0.24	0.43	4.68	1.49
Construction, mining, and forestry machinery and equipment rental and leasing	443101	0.24	0.43	4.68	1.49
Professional services (partial)	45	0.21	0.21	4.14	0.98
Legal services	451	0.17	0.30	4.99	1.35
Legal services	4511	0.17	0.30	4.99	1.35
Legal services	451101	0.17	0.30	4.99	1.35
Accounting services (partial)	452	0.65	0.85	3.32	2.13
Accounting services, excluding payroll	4521	0.65	0.85	3.32	2.13
Financial auditing	452101	1.35	1.20	4.91	2.26
Tax preparation and planning	452102	0.31	0.44	5.35	3.50
Bookkeeping and compilation	452103	1.33	0.94	6.04	3.86
Other accounting services, including billing and review (partial)	452104	0.83	1.84	3.50	5.84
Architectural and engineering services	452 104	0.83	0.20	5.27	1.94
Architectural services	4531	0.15	0.20	2.58	0.66
Architectural services Architectural services	453101	0.15	0.12	2.58	0.66
Engineering services	4532	0.13	0.12	5.58	2.20
Engineering services Engineering services	453201	0.23	0.23	5.58	2.20
Management, scientific, and technical consulting services	453201	0.23	0.23	1.08	3.07
Management consulting services	4541	0.27	0.38	1.08	3.07
Administrative and general management consulting services	454101	0.27	0.36	0.75	3.92
	454101	1.14	1.34	4.38	2.33
Human resources consulting services Marketing consulting services	454103	0.00	0.00	0.00	0.00
Marketing consulting services Process, physical distribution, and logistics consulting services					
	454104	1.10	0.89	4.03	6.07
Other management consulting services Advertising and related convices (nartial)	454105	0.29	0.18	0.90	2.84
Advertising and related services (partial)	455	0.08	0.13	8.23	5.06
Advertising agency services	4551	0.08	0.13	8.23	5.06
Advertising agency services	455101	0.08	0.13	8.23	5.06
Information technology (IT) technical support and consulting services (partial)	456	0.20	0.27	1.11	1.78
Information technology (IT) technical support and consulting services (partial)	4561	0.20	0.27	1.11	1.78
Information technology (IT) technical support and consulting services (partial)	456101	0.20	0.27	1.11	1.78
Employment services	46	0.15	0.25	4.95	1.54
Permanent placement services	461	0.66	0.76	6.46	2.11
Permanent placement services	4611	0.66	0.76	6.46	2.11
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percent changes and median 1-month and 12-month standard e	rrors of the percent change, 20	022		I	
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Employment placement services	461101	0.66	0.76	6.46	2.11
Executive search services	462	1.28	2.22	1.61	3.16
Executive search services	4621	1.28	2.22	1.61	3.16
Executive search services	462101	1.28	2.22	1.61	3.16
Staffing services	463	0.17	0.26	5.06	1.65
Temporary help services	4631	0.32	0.35	7.93	2.15
Temporary help services	463101	0.32	0.35	7.93	2.15
Co-employment staffing services	4632	0.17	0.27	1.73	2.85
Co-employment staffing services	463201	0.17	0.27	1.73	2.85
Travel arrangement services (partial)	47	0.98	0.65	3.98	2.39
Arrangement of flights (partial)	471	0.54	0.61	7.10	4.85
Arrangement of international flights	4711	0.72	0.81	2.72	3.46
Arrangement of international flights	471101	0.72	0.81	2.72	3.46
Arrangement of domestic flights	4712	0.16	0.43	19.56	13.19
Arrangement of domestic flights (partial)	471201	0.16	0.43	19.56	13.19
Arrangement of vehicle rentals and lodging	472	0.60	1.54	9.46	6.97
Arrangement of vehicle rentals and lodging	4721	0.60	1.54	9.46	6.97
Arrangement of vehicle rentals and lodging (partial)	472101	0.60	1.54	9.46	6.97
Arrangement of cruises and tours	473	1.62	1.55	5.87	4.00
Arrangement of cruises and tours	4731	1.62	1.55	5.87	4.00
Arrangement of cruises and tours	473101	1.62	1.55	5.87	4.00
Other travel arrangements (partial)	474	0.00	0.00	0.00	0.00
Other travel arrangements (partial)	4741	0.00	0.00	0.00	0.00
Other travel arrangements (partial)	474101	0.00	0.00	0.00	0.00
Selected security services (partial)	48	0.12	0.39	7.22	2.48
Security guard services	481	0.12	0.39	7.22	2.48
Security guard services	4811	0.12	0.39	7.22	2.48
Security guard services	481101	0.12	0.39	7.22	2.48
Cleaning and building maintenance services (partial)	49	0.32	0.49	7.90	4.61
Janitorial services	491	0.32	0.49	7.90	4.61
Janitorial services	4911	0.32	0.49	7.90	4.61
Janitorial services	491101	0.32	0.49	7.90	4.61
Waste collection and remediation services (partial)	50	0.73	0.50	7.55	3.50
Waste collection	501	0.73	0.50	7.55	3.50
Solid waste collection	5011	0.73	0.50	7.55	3.50
Solid waste collection	501101	0.73	0.50	7.55	3.50
Health care services	51	0.10	0.14	2.80	0.37
Outpatient care (partial)	511	0.13	0.14	2.29	0.53
Outpatient care (partial)	5111	0.13	0.14	2.29	0.53
Physician care	511101	0.07	0.10	0.62	0.65
Medical laboratory and diagnostic imaging center care	511102	0.02	0.09	0.31	0.35
Home health and hospice care	511103	0.16	0.13	2.42	0.43
Hospital outpatient care	511104	0.32	0.35	3.78	1.11
Dental care	511105	0.10	0.10	3.66	0.98
Inpatient care	512	0.28	0.17	3.67	0.69
Inpatient care	5121	0.28	0.17	3.67	0.69
Hospital inpatient care	512101	0.33	0.19	3.98	0.85
Nursing home care	512102	0.24	0.22	2.96	0.92
Intellectual and developmental disability center care	512103	0.17	0.27	5.20	1.38
Sales of blood and blood products, organs, and tissues	513	0.38	0.45	2.38	0.88
Sales of blood and blood products, organs, and tissues Sales of blood and blood products, organs, and tissues	5131 513101	0.38	0.45 0.45	2.38 2.38	0.88
oales of blood and blood products, organs, and ussues	313101	0.38	0.45	2.38	0.00
Accommodation services	53	2.99	3.50	17.30	5.96
Traveler accommodation services	531	2.99	3.50	17.30	5.96

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Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Traveler accommodation services	5311	2.99	3.50	17.30	5.96
Guestroom or unit rental	531101	3.32	3.79	18.29	6.58
Other traveler accommodation services	531102	0.46	0.93	8.60	2.52
Food and beverage for immediate consumption services (partial)	54	0.82	0.65	1.83	7.44
Food and beverage for immediate consumption services (partial)	541	0.82	0.65	1.83	7.44
Food and nonalcoholic beverages for immediate consumption (partial)	5411	0.93	0.77	1.83	8.49
Food and nonalcoholic beverages for immediate consumption (partial)	541101	0.93	0.77	1.83	8.49
Alcoholic beverages for immediate consumption (partial)	5412	0.37	0.32	10.82	2.29
Alcoholic beverages for immediate consumption (partial)	541201	0.37	0.32	10.82	2.29
Repair and maintenance services (partial)	55	0.43	0.25	5.74	0.77
Commercial and industrial machinery and equipment repair and maintenance	551	0.84	0.71	9.82	2.26
Commercial and industrial machinery and equipment repair and maintenance	5511	0.84	0.71	9.82	2.26
Commercial machinery repair and maintenance	551101	0.84	0.71	9.82	2.26
Motor vehicle repair and maintenance (partial)	552	0.39	0.13	4.55	0.47
Motor vehicle repair and maintenance (partial)	5521	0.39	0.13	4.55	0.47
Motor vehicle repair and maintenance (partial)	552101	0.39	0.13	4.55	0.47
Ship repair and maintenance	553	0.40	0.73	6.62	7.37
Ship repair and maintenance	5531	0.40	0.73	6.62	7.37
Ship repair, military	553101	0.00	0.00	2.34	7.21
Ship repair, nonmilitary	553102	1.36	1.09	18.36	5.97
Aircraft repair and maintenance	554	0.00	0.03	4.08	1.62
Aircraft repair and maintenance	5541	0.00	0.03	4.08	1.62
Aircraft repair and maintenance	554101	0.00	0.03	4.08	1.62
Entertainment services (partial)	56	1.14	1.08	3.47	1.40
Membership dues and admissions and recreation facility use fees (partial)	561	0.67	0.40	4.54	1.39
Membership dues and admissions and recreation facility use fees (partial)	5611	0.67	0.40	4.54	1.39
Membership dues	561101	0.10	0.13	4.04	1.66
Admissions and recreational facilities use fees (partial)	561102	1.56	0.96	5.45	1.87
Recreational activity instruction fees (partial)	562 5621	0.00	0.00	1.58 1.58	1.74
Recreational activity instruction fees (partial)	562101	0.00	0.00		1.74
Recreational activity instruction fees (partial) Gaming receipts (partial)	563	0.00 2.13	1.93	1.58 3.22	1.74
	5631	2.13	1.93	3.22	2.29 2.29
Gaming receipts (partial) Gaming receipts (partial)	563101	2.13	1.93	3.22	2.29
Carring receipts (partial)	303101	2.10	1.50	5.22	2.23
Wholesale trade services	57	0.87	0.86	13.79	2.08
Machinery and equipment and parts and supplies wholesaling	571	1.10	1.43	16.96	3.35
Machinery and equipment and parts and supplies wholesaling	5711	1.10	1.43	16.96	3.35
Parts and supplies for machinery and equipment wholesaling	571102	1.34	1.52	12.03	3.85
Machinery and vehicle wholesaling	571103	1.94	3.05	27.63	8.57
Professional and commercial equipment wholesaling	571104	1.29	1.35	2.50	4.49
Furnishings wholesaling	572	1.44	1.72	23.46	12.69
Furnishings wholesaling	5721	1.44	1.72	23.46	12.69
Furnishings wholesaling	572101	1.44	1.72	23.46	12.69
Building materials, paint, and hardware wholesaling	573	1.32	2.12	23.55	6.05
Building materials, paint, and hardware wholesaling	5731	1.32	2.12	23.55	6.05
Building materials, paint, and hardware wholesaling	573101	1.32	2.12	23.55	6.05
Metals, minerals, and ores wholesaling	574	5.42	4.07	17.13	11.59
Metals, minerals, and ores wholesaling	5741	5.42	4.07	17.13	11.59
Metals, minerals, and ores wholesaling	574101	5.42	4.07	17.13	11.59
Chemicals and allied products wholesaling	575	0.89	2.35	6.58	6.08
Chemicals and allied products wholesaling	5751	0.89	2.35	6.58	6.08
Chemicals and allied products wholesaling	575101	0.89	2.35	6.58	6.08
Paper and plastics products wholesaling	576	1.51	1.97	24.08	8.96
Paper and plastics products wholesaling	5761	1.51	1.97	24.08	8.96
Paper and plastics products wholesaling	576101	1.51	1.97	24.08	8.96
Apparel wholesaling	577	2.69	3.13	5.58	5.84

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Apparel wholesaling	5771	2.69	3.13	5.58	5.84
Apparel wholesaling	577101	2.69	3.13	5.58	5.84
Food and alcohol wholesaling	578	1.17	1.29	11.71	2.96
Food and alcohol wholesaling	5781	1.17	1.29	11.71	2.96
Food wholesaling	578101	1.43	1.45	11.76	3.43
Alcohol wholesaling	578102	1.10	0.99	12.59	5.91
Other commodities wholesaling	579	1.55	1.76	18.36	4.34
Other commodities wholesaling	5791	1.55	1.76	18.36	4.34
Other commodities wholesaling	579101	1.55	1.76	18.36	4.34
Retail trade services	58	1.04	0.71	11.74	1.91
Food and alcohol retailing	581	1.47	1.04	17.88	2.47
Food and alcohol retailing	5811	1.47	1.04	17.88	2.47
Food retailing	581102	1.72	1.13	19.01	2.76
Alcohol retailing	581103	0.84	1.39	10.07	4.48
Health and beauty care retailing, including optical goods	582	3.04	1.55	5.74	3.30
Health and beauty care retailing, including optical goods	5821	3.04	1.55	5.74	3.30
Health and beauty care retailing, including optical goods	582101	3.04	1.55	5.74	3.30
Apparel, jewelry, footwear, and accessories retailing	583	2.67	1.14	5.10	2.48
Apparel, jewelry, footwear, and accessories retailing	5831	2.67	1.14	5.10	2.48
Apparel, footwear, and accessories retailing	583101 583102	3.34	1.27 2.22	5.17	2.89
Jewelry retailing	584	1.96	3.25	7.34 2.79	4.65
Computer hardware, software, and supplies retailing	5841	1.70 1.70	3.25	2.79	4.88 4.88
Computer hardware, software, and supplies retailing Computer hardware, software, and supplies retailing	584101	1.70	3.25	2.79	4.88
TV, video, and photographic equipment and supplies retailing	585	4.72	5.46	18.88	19.24
TV, video, and photographic equipment and supplies retailing	5851	4.72	5.46	18.88	19.24
TV, video, and photographic equipment and supplies retailing	585101	4.72	5.46	18.88	19.24
Automobiles and automobile parts retailing	586	1.13	1.42	29.74	10.42
Automobiles and automobile parts retailing	5861	1.13	1.42	29.74	10.42
Automobile retailing (Partial)	586101	1.79	1.65	35.83	15.56
Automotive parts, including tires, retailing	586102	1.23	1.88	16.58	4.47
RVs, trailers, and campers retailing	588	5.54	5.68	35.84	10.64
RVs, trailers, and campers retailing	5881	5.54	5.68	35.84	10.64
RVs, trailers, and campers retailing	588101	5.54	5.68	35.84	10.64
Sporting goods, including boats, retailing	589	2.49	2.75	2.33	9.33
Sporting goods, including boats, retailing	5891	2.49	2.75	2.33	9.33
Sporting goods, including boats, retailing	589101	2.49	2.75	2.33	9.33
Lawn, garden, and farm equipment and supplies retailing	58A	1.89	2.88	20.93	10.83
Lawn, garden, and farm equipment and supplies retailing	58A1	1.89	2.88	20.93	10.83
Lawn, garden, and farm equipment and supplies retailing	58A101	1.89	2.88	20.93	10.83
Furniture retailing	58B	2.57	3.08	16.45	11.94
Furniture retailing	58B1	2.57	3.08	16.45	11.94
Furniture retailing	58B101	2.57	3.08	16.45	11.94
Flooring and floor coverings retailing	58C	1.75	2.15		10.22
Flooring and floor coverings retailing	58C1	1.75	2.15		10.22
Flooring and floor coverings retailing	58C101	1.75	2.15		10.22
Hardware and building materials and supplies retailing	58D	5.57	3.12	5.76	5.43
Hardware and building materials and supplies retailing	58D1	5.57	3.12 3.12	5.76	5.43
Hardware and building materials and supplies retailing Major household appliance retailing	58D101 58E	5.57 1.58	2.09	5.76 8.39	5.43 5.62
Major household appliance retailing	58E1	1.58	2.09		5.62
Major household appliance retailing	58E101	1.58	2.09	8.39	5.62
Fuels and lubricants retailing	58F	8.49	5.50	26.57	12.77
Fuels and lubricants retailing	58F1	8.49	5.50		12.77
Automotive fuels and lubricants retailing	58F101	8.95	5.90	28.60	14.45
Household fuels retailing	58F102	5.80	5.12	13.52	9.27
Cleaning supplies and paper products retailing	58G	1.23	3.39	17.11	9.88
Cleaning supplies and paper products retailing	58G1	1.23	3.39		9.88
Cleaning supplies and paper products retailing	58G101	1.23	3.39		9.88

percent changes and median 1-month and 12-month standard errors of the percent change, 2022							
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error		
Book retailing	58H	1.91	1.07	3.76	1.72		
Book retailing	58H1	1.91	1.07	3.76	1.72		
Book retailing	58H101	1.91	1.07	3.76	1.72		
Other merchandise retailing (partial)	581	1.51	1.35	9.97	4.38		
Other merchandise retailing (partial)	5811	1.51	1.35	9.97	4.38		
Other merchandise retailing (partial)	581101	1.51	1.35	9.97	4.38		
Metal treatment services	59	0.49	0.60	11.17	2.37		
Metal treatment services	591	0.49	0.60	11.17	2.37		
Metal treatment services	5911	0.49	0.60	11.17	2.37		
Metal plating and polishing	591101	0.49	0.70	8.21	3.24		
Metal coating and allied services	591102	0.43	0.52	12.50	3.90		
Metal heat treating	591103	0.72	0.91	13.51	6.13		
Mining services	60	0.87	0.69	11.71	2.80		
Mining services	601	0.87	0.69	11.71	2.80		
Mining services	6011	0.87	0.69	11.71	2.80		
Metal mining services	601101	3.02	2.36	31.04	18.55		
Support activities for coal mining	601102	0.56	0.38	3.96	1.01		
Drilling oil and gas wells services	601103	0.60	0.44	18.22	6.46		
Support activities for oil and gas operations	601104	1.10	0.86	9.64	3.42		
Contract work on textile products, apparel, and leather	61	0.24	0.34	6.15	1.80		
Contract work on textile products and apparel	611	0.22	0.35	6.14	1.83		
Contract work on textile products and apparel	6111	0.22	0.35	6.14	1.83		
Contract work on textile products	611102	0.25	0.22	12.01	4.84		
Contract work on apparel	611103	0.00	0.00	1.52	1.58		
Contract & commission receipts for tanning or finishing leather owned by others	612	0.00	0.00	13.32	4.28		
Contract & commission receipts for tanning or finishing leather owned by others	6121	0.00	0.00	13.32	4.28		
Contract and commission receipts for tanning or finishing leather owned by others	612101	0.00	0.00	13.32	4.28		
Construction							
Construction (partial)	80	0.69	0.24	17.38	1.81		
New nonresidential building construction	801	0.53	0.11	19.54	0.80		
New nonresidential building construction	8011	0.53	0.11	19.54	0.80		
New warehouse building construction	801101	0.30	0.17	29.03	0.94		
New school building construction	801102	0.25	0.11	16.76	0.51		
New office building construction	801103	1.00	0.33	20.39	1.55		
New industrial building construction	801104	0.57	0.16	21.94	1.11		
New health care building construction	801105	0.20	0.11	16.81	2.31		
Maintenance and repair of nonresidential buildings (partial)	802	0.87	0.77	11.38	6.32		
Maintenance and repair of nonresidential buildings (partial)	8021	0.87	0.77	11.38	6.32		
Maintenance and repair of nonresidential buildings (partial)	802101	0.87	0.77	11.38	6.32		

NOTE: Some indexes in this table, primarily PPIs for agricultural products, are constructed using price information not directly sampled by PPI. These secondary source data, mainly from the U.S. Department of Agriculture, but also other sources, are considered a census of available price information. No sampling variability exists in these percent change estimates, so their standard error values are zero. For more information, refer to the section titled "PPI Sampling" in the methodology paper that accompanies this year's PPI variance publication.

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Selected industry sector groupings	0.041.104	1.76	0.20	16.76	0.62
Total mining, utilities, and manufacturing industries	AMUM	1.76	0.39	16.76	0.62
Total mining industries	OMIN	6.32	1.17	39.73	3.42
Total manufacturing industries Total trade industries	OMFG	2.23	0.19	16.39	0.49
Total wholesale trade industries	ATRADE AWHLTR	0.39 0.77	0.49	11.26 13.48	1.24 1.73
Total retail trade industries	ARETTR	0.77	0.60	8.16	1.73
	ATRNWR	1.03	0.58	16.74	1.49
Transportation and warehousing industries Transportation industries	ATRANS	1.03	0.36	18.35	1.44
Delivery and warehouse industries	ADLVWR	0.47	0.72	10.13	1.22
Services less trade, transportation, and warehousing	ATTDSV	0.47	0.34	3.10	0.41
Information	AINFO	0.22	0.10	1.76	0.41
			0.29		
Selected health care industries	ASHC	0.18		2.54	0.40
Other selected services less trade, transportation, and warehousing industries	ASTDSV	0.21	0.23	3.88	0.63
Logging	1100	0.15			
Logging	1133	0.48	0.70	3.05	2.92
Logging	11331	0.48	0.70	3.05	2.92
Logging	113310	0.48	0.70	3.05	2.92
Mining					
Oil and gas extraction	211	9.25	1.62	62.80	4.80
Oil and gas extraction	2111	9.25	1.62	62.80	4.80
Crude petroleum and natural gas extraction	211111	9.64	1.91	61.57	5.19
Natural gas liquids extraction	211112	8.93	2.10	67.27	5.75
Mining (eyeart sil 9 gas)	212	0.60	1 11	22.04	0.75
Mining (except oil & gas)		0.68	1.11	22.84	9.75
Coal mining	2121	3.66	1.92	54.17	26.93
Coal mining	21211	3.66	1.92	54.17	26.93
Bituminous coal and lignite surface mining	212111 212112	1.32 5.16	1.78 3.61	9.55 107.29	4.97 59.35
Bituminous coal underground mining Anthropite mining	212112	1.37	0.56	28.53	5.88
Anthracite mining Metal are mining	2122	3.03	2.26	5.15	4.51
Metal ore mining	21221	1.04	0.17	14.69	2.21
Iron ore mining Iron ore mining	212210	1.04	0.17	14.69	2.21
Copper, nickel, lead & zinc mining	21223	6.06	4.32	14.03	4.48
Copper, nickel, lead and zinc mining	21223	6.05	4.32	14.03	4.48
Nonmetallic mineral mining & quarrying	2123	0.03	0.35	12.77	1.22
Stone mining & quarrying	21231	0.47	0.33	12.77	1.85
Dimension stone mining and guarrying	212311	0.00	0.00	4.50	1.50
Crushed and broken limestone mining	212312	0.00	0.00	15.08	2.62
Crushed and broken arrite mining	212312	0.47	0.41	9.73	1.89
Other crushed and broken stone mining	212319	1.30	1.32	9.86	2.88
Sand/gravel/clay/refractory minerals mining	212319	0.73	0.40	9.56	1.51
Construction sand and gravel mining	212321	0.42	0.36	10.09	1.42
Kaolin and ball clay mining	212324	0.00	0.00	4.72	1.14
Clay, ceramic, and refractory minerals mining	212325	0.74	0.43	13.59	6.85
Other nonmetallic mineral mining & quarrying	21239	1.35	0.80	17.15	3.95
Potash, soda, and borate mineral mining	212391	1.30	0.91	26.09	6.35
Other chemical and fertilizer mineral mining	212393	0.00	0.00	3.51	1.10
All other nonmetallic mineral mining	212399	1.65	1.38	7.84	3.66
Mining support activities	242	0.70	0.60	10 10	2 04
Mining support activities Mining support activities	213	0.79	0.68	12.18	2.81
Mining support activities Mining support activities	2131 21311	0.79 0.79	0.68	12.18	2.81
Mining support activities Drilling oil and gas wells	21311	0.79	0.66	12.18 18.22	2.81 6.46
Support activities for oil and gas operations	213111	1.01	0.44	10.30	3.33
Support activities for oal mining	213112	0.56	0.81	3.96	1.01
Support activities for redal mining	213113	3.03	2.36	31.14	18.58
oupport doublines for metal mining	213114	3.03	2.30	31.14	10.00

Index Utilities	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Utilities	221	4.17	2.76	28.80	3.63
Electric power generation, transmission, and distribution	2211	4.30	3.16	27.05	4.00
Electric power generation	22111	10.60	6.64	45.24	8.18
Electric power generation	221110	10.59	6.64	45.24	8.18
Electric power transmission, control, and distribution	22112	3.12	1.35	13.85	2.78
Electric bulk power transmission and control	221121	0.44	0.27	6.60	0.83
Electric power distribution	221122	3.28	1.42	14.14	2.91
Natural gas distribution	2212	3.60	2.21	31.48	5.66
Natural gas distribution	22121	3.60	2.21	31.48	5.66
Natural gas distribution	221210	3.60	2.21	31.47	5.66
2					
Construction	226244	0.57	0.46	24.02	1 10
New industrial building construction New warehouse building construction	236211 236221	0.57 0.31	0.16	21.92 29.26	1.19 0.97
New school building construction	236221	0.31	0.17	16.75	0.97
New office building construction	236223	1.04	0.11	19.80	1.23
New health care building construction	236224	0.20	0.32	16.81	2.62
Trown round building conditioner	200221	0.20	0.12	10.01	2.02
Concrete contractors, nonresidential building work	23811X	0.56	0.22	19.54	2.00
Roofing contractors, nonresidential building work	23816X	1.33	0.50	19.74	3.47
Electrical contractors, nonresidential building work	23821X	1.00	0.46	13.07	3.80
Plumbing, heating and air-conditioning contractors, nonresidential building work	23822X	0.57	0.58	13.71	5.71
Nonresidential building maintenance & repair	2381MR	0.87	0.79	11.38	6.36
Manufacturing					
Food mfg	311	0.87	0.30	12.60	1.02
Animal food mfg	3111	1.22	0.32	14.53	1.31
Animal food mfg	31111	1.22	0.32	14.53	1.31
Dog and cat food manufacturing	311111	0.61	0.31	12.59	2.15
Other animal food manufacturing	311119	1.09	0.46	16.04	2.08
Grain & oilseed milling	3112	1.61	0.67	19.40	1.92
Flour milling & malt mfg	31121	1.94	0.57	20.74	2.25
Flour milling Rice milling	311211 311212	2.33 1.63	0.75	24.07 17.11	2.99 1.92
Malt manufacturing	311213	0.12	0.37	11.90	4.52
Starch & vegetable fats & oils mfg	31122	1.82	1.05	19.57	2.94
Wet corn milling and starch manufacturing	311221	1.08	1.71	12.65	5.86
Soybean and other oilseed processing	311224	2.00	1.71	15.90	4.57
Fats and oils refining and blending	311225	3.19	1.37	26.11	3.19
Breakfast cereal manufacturing	31123	0.58	0.33	12.55	1.82
Breakfast cereal manufacturing	311230	0.58	0.33	12.55	1.82
Sugar & confectionery product mfg	3113	0.89	0.30	9.92	0.92
Sugar mfg	31131	0.63	0.60	8.52	1.22
Beet sugar manufacturing	311313	0.33	0.61	6.14	1.73
Cane sugar manufacturing	311314	0.91	0.67	9.81	1.61
Nonchocolate confectionery mfg	31134	0.67	0.40	9.16	2.50
Nonchocolate confectionery manufacturing	311340	0.67	0.40	9.16	2.50
Chocolate and confectionery manufacturing	31135	0.94	0.46	10.68	1.65
Chocolate and confectionery mfg. from cacao	311351	1.05	0.66	11.68	3.40
Confectionery mfg. from purchased chocolate	311352	0.63	0.45	9.92	1.64
Fruit & vegetable preserving & specialty food mfg	3114	1.50	0.32	15.91	1.07
Frozen food manufacturing	31141	1.04	0.58	15.76	2.05
Frozen fruit and vegetable manufacturing	311411 311412	1.37	0.94	15.50 15.35	4.32
Frozen specialty food manufacturing Fruit & vegetable canning, pickling & drying	311412	0.93 0.86	0.38	15.35 16.46	1.52 1.11
Fruit and vegetable canning	311421	1.26	0.31	16.69	1.11
Specialty canning	311422	0.35	0.44	21.54	2.57
Dried and dehydrated food manufacturing	311423	0.42	0.70	5.51	1.81
,	3115	1.03	0.70	19.37	1.27

bilds Index Index Index Index Lenoth operation with white with with with with with with with with	percent changes and median 1-month and 12-month standard errors	of the percent change, 20)22		1	
Piki min manufachuring	Index	Index code	median absolute percent	median standard	median absolute percent	median standard
Piki mini manufachuring	Dairy product (except frozen) mfg	31151	1.09	0.33	20.02	1.39
Cheese manufacturing		311511	1.26	0.32	18.46	1.13
Opcombened and evaporated dairy products 311514 1.06 0.96 21.25 4.30 for cream and frazen dessert ming 311520 0.70 0.30 11.00 1.40 loc or cream and frazen dessert manufacturing 311610 1.70 0.30 11.00 1.40 Animal saloughtering of processing 311611 1.00 1.22 10.34 3.55 Animal cacept pountry, slaughtering 311611 1.00 1.22 1.03.4 3.65 Mend processed from carcassers 311613 2.09 1.79 19.25 3.34 Rendering and meat byproduct processing 311613 2.09 1.79 19.25 3.34 Seafood product preparation and packaging 31171 0.63 0.80 1.212 3.10 Seafood product preparation and packaging 31170 0.63 0.80 1.212 3.10 Seafood product preparation and packaging 31181 1.13 0.40 1.42 3.10 Seafood product preparation and packaging 31182 1.14 0.80 0.91 <td< td=""><td>Creamery butter manufacturing</td><td>311512</td><td>3.34</td><td>1.87</td><td>69.76</td><td>2.03</td></td<>	Creamery butter manufacturing	311512	3.34	1.87	69.76	2.03
See orang and fraction desident might 1,000 1,4	Cheese manufacturing	311513	1.56	0.54	15.01	2.13
Secretary and focces desired manufacturing 31500 0.70 0.30 1.100 1.40 Animal staughtering 31761 1.40 0.10 1.30 1.03 1.00 Animal staughtering 31761 1.40 1.30 1.03 1.03 1.03 Animal staughtering 31761 1.40 1.32 1.03 1.03 1.03 Animal staughtering 31761 1.00 1.32 1.03 1.03 1.03 Animal staughtering 31761 1.00 1.32 1.03 1.03 1.03 Animal staughtering 31761 2.09 1.79 1.92 3.34 1.05 Animal staughtering and meant byproduct processing 31761 3.63 0.80 1.21 3.10 Seaford product preparation of packaging 3177 0.63 0.80 1.21 3.10 Seaford product preparation and packaging 3177 0.63 0.80 1.21 3.10 Seaford product preparation and packaging 3177 0.63 0.80 1.21 3.10 Seaford product preparation and packaging 3177 0.63 0.80 1.21 3.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.47 1.48 1.10 Seaford product preparation and packaging 31861 1.13 0.40 1.48 1.48 1.10 1	Dry, condensed, and evaporated dairy products	311514	1.06	0.96	21.25	4.30
Ammal staughtering & processing Ammal except pully, slaughtering 311611	Ice cream and frozen dessert mfg	31152	0.70	0.30	11.00	1.40
Animal, except poultry, slauphering Maria processed from actrasses 31612 0.73 0.77 5.32 1.75 5.	Ice cream and frozen dessert manufacturing	311520	0.70	0.30	11.00	1.40
Meat processed from carciasses	Animal slaughtering & processing	31161	1.40	0.91	5.30	2.92
Rendering and meat byproduct precessing 311613 2.00 1.79 19.25 3.34 7.40	Animal, except poultry, slaughtering	311611	1.90	1.32	10.34	3.65
Poultry processing 31615 3.63 1.94 23.15 7.48 Seaflood product preparation & packaging 3117 0.63 0.80 12.12 3.10 Seaflood product preparation and packaging 31171 0.63 0.80 12.12 3.10 Seaflood product preparation and packaging 31171 0.63 0.80 12.12 3.10 Seaflood product preparation and packaging 31171 0.63 0.80 12.12 3.10 Seaflood product preparation and packaging 31171 0.63 0.80 12.12 3.10 Seaflood product preparation and packaging 31171 0.63 0.80 12.12 3.10 Seaflood product preparation and packaging 31181 1.13 0.00 14.17 1.44 Seafles & Statistic 0.00 1.17 0.18 1.22 Streed & baskery product ring 31181 0.13 0.00 1.17 0.18 1.17 0.00 1.17 0.18 Streed & baskery product ring 31181 0.13 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.17 0.00 1.17 0.18 1.18 0.18	Meat processed from carcasses	311612	0.73	0.77	5.32	1.74
Seafood product preparation and packaging 3117 0.83 0.80 12.12 3.10 Seafood product preparation and packaging 311710 0.63 0.80 12.12 3.10 Seafood product preparation and packaging 311710 0.63 0.80 12.12 3.10 Seafood product preparation and packaging 31181 1.43 0.33 1.40 12.12 3.10 Backeries & Storilla mig 31181 1.43 0.33 1.40 1.21 3.11 Redal backries 311811 0.48 0.00 14.17 3.22 0.00 14.17 3.22 Commercial backries 311812 1.5 0.05 0.57 1.31 1.7 1.61 1.61 1.63 1.60 0.01 14.17 3.22 0.00 0.01 1.41 2.37 1.81 1.00 0.01 1.41 2.37 1.81 1.00 0.01 1.61 1.63 1.63 1.61 1.53 1.07 6.02 3.00 1.01 1.00 3.00 <td>Rendering and meat byproduct processing</td> <td>311613</td> <td>2.09</td> <td>1.79</td> <td>19.25</td> <td>3.94</td>	Rendering and meat byproduct processing	311613	2.09	1.79	19.25	3.94
Sachood product preparation and packaging 31171 0.63 0.80 12.12 3.10 Backendod product preparation and packaging 31170 0.63 0.80 12.12 3.10 Backeries & Scrilla mfg 31181 1.43 0.33 14.08 1.24 Retail bakeries 311811 0.66 0.90 14.17 3.82 Commercial bakeries 311813 0.75 0.31 9.74 2.76 Cockie, cracker & pasta mfg 311822 0.25 0.46 14.24 2.27 Cockie, cracker & pasta mfg 311824 0.25 0.46 14.24 2.30 Crolle and cracker & pasta mfg 311824 0.20 0.77 6.18 1.33 Dry pasts, dough, and flour mixes manufacturing from purchased flour 311824 0.89 0.83 2.16 4.17 Totilla mfg 311830 1.33 1.07 6.29 3.30 Totilla manufacturing 311830 1.33 1.07 6.29 3.30 Totilla mfg 311830 1.3		311615	3.63			7.48
Serboot product preparation and packaging 311710 0.63 0.90 12 12 3.10 Bread & bakery product mfg 3118 1.43 0.33 1.40 1.22 Bread & bakery product mfg 311811 1.13 0.40 1.487 1.44 Relati bakeries 311812 1.41 0.50 1.575 1.81 Frozen cakes and other pastries manufacturing 311813 0.75 0.31 9.74 2.76 Cookie, cracker & pasta mfg 311821 0.05 0.46 1.42 2.27 Cookie, cracker & pasta mfg 311821 0.20 0.17 6.18 1.63 Dry pasta, dough, and flour mixes manufacturing from purchased flour 311824 0.89 0.83 2.18 4.17 Tortilla manufacturing 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31191 0.51 0.54 1.10 0.83 2.21 Snack food misulact	Seafood product preparation & packaging	3117	0.63	0.80	12.12	3.10
Bakeriers & Itorilla mig 3118 1.43 .0.33 1.408 1.22 Fread & Bakery product mfg 311811 1.13 0.40 14.87 1.448 Retail bakeries 311811 0.88 0.90 11.77 3.42 Commercial bakeries 311812 1.41 0.50 15.75 1.81 Frozon calces and other pastries manufacturing 311821 0.20 0.01 16.18 1.63 Cookie, caracker & pasta mfg 311821 0.20 0.01 16.18 1.63 Dry pasta, dough, and flour mixes manufacturing from purchased flour 311824 0.89 0.83 21.98 4.77 Tortilla manufacturing 311830 1.33 1.07 6.29 3.30 Other food manufacturing 311830 1.33 1.07 6.29 3.30 Other food manufacturing 311930 1.33 1.07 6.29 3.30 Other snack food migh 31191 0.51 4.47 1.01 1.28 Coffee act bas mig 31191 0.						3.10
Bread & bakery product mfg 31181 1.13 0.0 1.47 7.14 Retall bakeries 311811 0.86 0.90 14.77 3.82 Commercial bakeries 311812 1.14 0.90 14.77 3.82 Commercial bakeries 311812 0.14 0.90 14.77 3.82 Cookie, cracker and bakeries 311812 0.53 0.48 12.42 2.27 Cookie, cracker & pasta mfg 31182 0.53 0.48 12.42 2.27 Cookie, and cracker manufacturing 311821 0.20 0.17 6.18 1.63 Dy pasta, dough, and flour mixes manufacturing from purchased flour 311824 0.89 0.83 21.88 1.17 Tortilla manufacturing 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31199 1.10 0.03 16.21 4.07 Roasted nuts and peanut butter manufacturing 311911 0.31 0.54 3.92 2.13 Other sack food manufacturing 31192	1 1 1 0 0					
Retail bakeries						
Commercial bakeries 911812 1.41 0.50 15.75 1.81 Friezer cakes and other pastries manufacturing 311813 0.75 0.31 9.74 2.76 Cookie, cracker & pasta mig 31182 0.53 0.48 14.24 2.37 Cookie and cracker manufacturing from purchased flour 311824 0.20 0.77 6.18 1.63 Tortila mig 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31199 1.10 0.63 16.21 4.07 Snack food mig 31191 0.50 0.45 11.91 1.88 Rossed nuts and peanut butter manufacturing 31191 0.50 0.45 11.91 1.88 Other sack food manufacturing 31199 0.50 0.54 11.01 2.23 Coffee & taming 31199 0.50 0.54 17.01 2.23 Coffee & taming 31199 0.50 0.	Bread & bakery product mfg				14.87	
Frozen cakes and other pastries manufacturing	Retail bakeries		0.86		14.17	3.82
Cooke, cracker & pasta mfg 31182 0.53 0.46 14.24 2.37 Cookie and cracker manufacturing 311821 0.20 0.17 6.18 1.68 Dry pasta, dough, and flour mixes manufacturing from purchased flour 31183 1.33 1.07 6.29 3.30 Tortilla ming 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31189 1.10 0.63 16.21 4.07 Snack food mfg 31191 1.05 8.04 11.91 1.58 Roasted nuts and peanut butter manufacturing 31191 0.58 0.45 11.91 1.58 Roasted nuts and peanut butter manufacturing 31199 0.65 0.54 17.01 2.23 Other snack food manufacturing 311990 0.93 0.75 12.00 2.20 Coffee & Learning 311990 0.93 0.75 12.00 2.20 Coffee a tea manufacturing 311990 0.93 0.75 12.00 2.20 Elevoring syrup and concentrate manufacturing	Commercial bakeries					1.81
Cookie and cracker manufacturing 311821 0.20 0.17 6.18 1.63	·					
Dry pasta, dough, and flour mixes manufacturing from purchased flour 311824 0.89 0.83 21.88 4.17 Tortilla ming 31183 1.33 1.07 6.29 3.30 Other food manufacturing 31190 1.10 0.63 16.21 4.07 Snack food mfg 31191 1.08 0.54 1.19 1.15 Roasted nuts and peanut butter manufacturing 311911 0.31 0.54 3.92 2.13 Other snack food manufacturing 311991 0.65 0.54 17.01 2.23 Coffee a tea mfg 311990 0.65 0.54 17.01 2.23 Coffee a tea manufacturing 311920 0.93 0.75 12.00 2.20 Coffee a tea manufacturing 311930 0.20 0.19 8.59 3.78 Flavoring syrup acd concentrate manufacturing 311930 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 311990 0.20 0.19 8.59 3.78 Seasoning & dressing and sauce						
Tortilla mfg	Cookie and cracker manufacturing					
Tortilla manufacturing 311830 1.33 1.07 6.29 3.30 Other food manufacturing 3119 1.10 0.63 16.21 4.07 Snack food manufacturing 31191 1.05 0.60 0.45 11.19 1.15 0.58 Snack food manufacturing 31191 0.56 0.45 11.19 1.15 0.58 Content of the manufacturing 31191 0.56 0.45 11.10 0.63 0.45 11.10 0.63 0.45 11.10 0.63 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.65 0.45 11.10 0.22 0.20 0.25 0.25 0.25 0.25 0.25 0.2						
Other food manufacturing 3119 1.10 0.63 16.21 4.07 Snack food mfg 31191 0.58 0.45 11.91 1.58 Roasted nuts and peanut butter manufacturing 311911 0.31 0.54 11.91 1.52 Offer a snack food manufacturing 311919 0.65 0.54 17.01 2.23 Coffee a ke a fing 311920 0.93 0.75 12.00 2.20 Coffee and ke manufacturing 311920 0.93 0.75 12.00 2.20 Flavoring syrup & concentrate manufacturing 311930 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 311941 0.58 0.34 7.02 1.17 Mayonnaise, dressing, and sauce manufacturing 311941 0.74 0.31 12.47 1.37 Spice and extract manufacturing 311991 0.74 0.31 12.47 1.37 All other food mfg 31199 2.20 1.87 3.38,9 16.77 Perishable prepared food manufacturi		31183	1.33			3.30
Snack food mfg 31191 0.58 0.43 11.91 1.58 Roasted nuts and peanut butter manufacturing 311911 0.31 0.54 3.92 2.13 Other snack food manufacturing 311919 0.65 0.54 1.701 2.23 Coffee & tea mfg 31192 0.93 0.75 12.00 2.20 Coffee and tea manufacturing 31193 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate mg 31193 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 31194 0.58 0.34 7.62 1.17 Seasoning & dressing mfg 311941 0.74 0.31 1.247 1.37 Seasoning & dressing and sauce manufacturing 311941 0.74 0.31 1.247 1.37 Spice and extract manufacturing 311994 0.74 0.31 1.247 1.37 All other food mfg 311991 1.91 1.23 5.12 2.07 All other miscellaneous food manufacturing	Tortilla manufacturing		1.33			3.30
Roasted nuts and peanut butter manufacturing 311911 0.31 0.54 3.92 2.13	Other food manufacturing					4.07
Other snack food manufacturing 311919 0.65 0.54 17.01 2.23 Coffee & tea mig 31192 0.93 0.75 12.00 2.20 Coffee and tea manufacturing 31192 0.93 0.75 12.00 2.20 Flavoring syrup & concentrate mig 31193 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 311930 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 311941 0.58 0.34 7.62 1.17 Mayonnaise, dressing mig 311941 0.74 0.31 12.47 1.37 Spice and extract manufacturing 311942 0.41 0.34 4.08 1.75 All other food fug 311999 2.02 1.87 3.38 16.77 Perishable prepared food manufacturing 311991 1.91 1.23 5.12 2.07 All other food fug 31299 3.29 2.93 62.06 28.75 Beverage & tobacco mig 312	· ·					
Coffee & tea mfg 31192 0.93 0.75 12.00 2.20 Coffee and tea manufacturing 311920 0.93 0.75 12.00 2.20 Flavoring syrup & concentrate mfg 311930 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 311940 0.50 0.19 8.59 3.78 Seasoning & dressing mfg 311941 0.74 0.31 12.47 1.13 Mayonnaise, dressing, and sauce manufacturing 311941 0.74 0.31 12.47 1.37 Spice and extract manufacturing 311942 0.41 0.34 4.08 1.75 All other food mfg 31199 2.20 1.87 33.89 16.77 Perishable prepared food manufacturing 31199 2.29 3.62.06 28.75 All other miscellaneous food manufacturing 311999 3.29 2.93 66.06 2.87 Beverage fing 3121 0.03 0.25 8.98 0.56 Beverage mfg 31211 0.66	·					
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Flavoring syrup & concentrate mfg Flavoring syrup and concentrate manufacturing 31193 0.20 0.19 8.59 3.78 Flavoring syrup and concentrate manufacturing 31194 0.58 0.34 7.62 1.17 Mayonnaise, dressing mfg 31194 0.74 0.31 12.47 1.37 Spice and extract manufacturing 31199 2.20 1.87 3.89 1.87 All other food mfg 31199 2.20 1.87 3.89 1.87 All other miscellaneous food manufacturing 31199 3.29 2.93 6.2.06 28.75 All other miscellaneous food manufacturing 31199 3.29 2.93 6.2.06 28.75 Beverage & tobacco mfg 3121 0.63 0.25 8.98 0.56 Beverage mfg 3121 0.70 0.39 8.67 0.83 Soft drink & ice mfg 31211 0.66 0.43 10.69 1.11 Bottled water manufacturing 31211 0.64 0.75 1.44 2.43 Breweries 31212 0.35 0.28 1.67 Nineries 31213 0.64 0.57 1.44 2.43 Breweries 31213 0.64 0.57 1.44 2.43 Breweries 31213 0.64 0.57 1.47 Wineries 31214 0.70 0.35 0.28 5.16 1.17 Wineries 31214 0.70 0.35 0.28 5.16 1.17 Torvieries 31214 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.7						
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Soft drink & ice mfg 31211 0.86 0.39 11.79 1.05 Soft drink manufacturing 312111 0.66 0.43 10.69 1.11 Bottled water manufacturing 312112 1.28 0.98 19.21 2.54 Ice manufacturing 312113 0.64 0.57 14.42 4.31 Breweries 31212 0.35 0.28 5.16 1.17 Breweries 312120 0.35 0.28 5.16 1.17 Wineries 31213 0.19 0.19 4.78 2.46 Wineries 312130 0.19 0.19 4.78 2.46 Wineries 31214 1.17 0.72 6.42 2.36 Distilleries 31214 1.17 0.72 6.42 2.36 Distilleries 312140 1.17 0.72 6.42 2.36 Tobacco mfg 31223 0.65 0.13 9.54 0.47 Tobacco manufacturing 312230 0.65 0.13 9.54 0.47 Tobacco manufacturing 31230						
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Textile mills 313 1.08 0.36 17.64 2.17 Fiber, yarn, and thread mills 3131 2.04 0.61 27.38 4.11 Fiber, yarn, and thread mills 31311 2.04 0.61 27.38 4.11						
Fiber, yarn, and thread mills 3131 2.04 0.61 27.38 4.11 Fiber, yarn, and thread mills 31311 2.04 0.61 27.38 4.11	·					
Fiber, yarn, and thread mills 3131 2.04 0.61 27.38 4.11 Fiber, yarn, and thread mills 31311 2.04 0.61 27.38 4.11	Textile mills	313	1.08	0.36	17.64	2.17
Fiber, yarn, and thread mills 31311 2.04 0.61 27.38 4.11	Fiber, yarn, and thread mills	3131	2.04	0.61		4.11
Fiber, yarn, and thread mills 313110 2.04 0.61 27.38 4.11		31311	2.04	0.61		4.11
	Fiber, yarn, and thread mills	313110	2.04	0.61	27.38	4.11

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Fabric mills	3132	0.86	0.34	12.55	1.26
Broadwoven fabric mills	31321	0.85	0.27	10.05	1.26
Broadwoven fabric mills	313210	0.85	0.27	10.05	1.27
Narrow fabric mills and schiffli embroidery	31322	0.95	0.48	16.12	2.11
Narrow fabric mills and schiffli embroidery	313220	0.95	0.48	16.08	2.11
Nonwoven fabric mills	31323	0.84	0.56	12.73	2.19
Nonwoven fabric mills	313230	0.84	0.56	12.72	2.18
Knit fabric mills	31324	0.92	0.27	16.52	1.78
Knit fabric mills	313240	0.92	0.27	16.51	1.78
Textile and fabric finishing mills	3133 31331	0.84	0.88 1.29	18.59 18.91	6.67
Textile and fabric finishing mills	31331	0.68	1.29		9.32
Textile and fabric finishing mills				18.91	9.31
Fabric coating mills	31332 313320	0.54 0.54	0.35 0.35	16.80 16.79	4.02
Fabric coating mills	313320	0.54	0.35	10.79	4.02
Textile product mills	314	0.63	0.35	6.87	1.19
Textile furnishings mills	3141	0.62	0.58	3.13	1.69
Carpet and rug mills	31411	0.78	0.77	1.61	2.18
Carpet and rug mills	314110	0.78	0.77	1.61	2.18
Curtain and linen mills	31412	0.60	0.58	6.39	3.38
Curtain and linen mills	314120	0.60	0.58	6.39	3.38
Other textile product mills	3149	0.82	0.43	12.03	1.31
Textile bag and canvas mills	31491	0.22	0.13	9.79	1.71
Textile bag and canvas mills	314910	0.22	0.13	9.79	1.71
All other textile product mills	31499	0.96	0.55	12.91	1.71
Rope, twine, tire cord, and tire fabric mills	314994	0.88	0.45	23.41	2.25
All other miscellaneous textile product mills	314999	0.91	0.62	10.31	2.12
Apparel manufacturing	315	0.37	0.30	5.17	0.95
Apparel knitting mills	3151	0.05	0.05	3.55	1.04
Hosiery and sock mills	31511	0.08	0.08	4.96	1.32
Hosiery and sock mills	315110	0.08	0.08	4.96	1.32
Other apparel knitting mills	31519	0.00	0.00	1.21	1.92
Other apparel knitting mills	315190	0.00	0.00	1.22	1.92
Cut and sew apparel manufacturing	3152	0.28	0.36	5.00	1.24
Cut and sew apparel contractors	31521	0.00	0.00	1.30 1.30	0.92
Cut and sew apparel contractors	315210 31522	0.00		14.82	5.37
Men's and boys' cut and sew apparel mfg Men's and boys' cut and sew apparel manufacturing	31522	0.37	0.27 0.27	14.85	5.39
	31524		0.27	3.39	
Women's & girls' cut & sew apparel mfg. Women's, girls', and infants' cut and sew apparel manufacturing	315240	0.06	0.13	3.39	1.61 1.61
Other cut and sew apparel manufacturing	315280	0.00	0.13	5.94	1.61
Accessories and other apparel manufacturing	3159	0.64	0.45	8.00	2.44
Accessories and other apparel manufacturing	31599	0.64	0.45	8.00	2.44
Accessories and other apparel manufacturing	315990	0.64	0.45	8.00	2.45
Leather and allied product manufacturing	316	0.30	0.19	5.20	0.73
Leather and hide tanning and finishing	3161	1.02	0.42	5.33	1.93
Leather and hide tanning and finishing	31611	1.02	0.42	5.33	1.93
Leather and hide tanning and finishing	316110	1.03	0.42	5.33	1.93
Footwear manufacturing	3162	0.53	0.17	7.31	0.89
Footwear manufacturing	31621	0.53	0.17	7.31	0.89
Footwear manufacturing	316210	0.53	0.17	7.31	0.89
Other leather product manufacturing	3169	0.18	0.18	6.67	0.99
Other leather product manufacturing	31699	0.18	0.18	6.67	0.99
Women's handbag and purse manufacturing	316992	0.00	0.00	0.08	0.07
All other leather and allied good mfg.	316998	0.21	0.22	8.46	1.25
Wood product manufacturing	321	2.16	0.46	8.59	1.52
Sawmills and wood preservation	3211	3.71	1.23	12.71	3.15

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Sawmills and wood preservation	32111	3.71	1.23	12.71	3.15
Sawmills	321113	4.52	1.50	12.86	3.58
Wood preservation	321114	2.25	1.66	11.45	3.79
Plywood and engineered wood product mfg	3212	6.47	0.76	13.42	2.40
Plywood and engineered wood product mfg	32121	6.47	0.76	13.42	2.40
Hardwood veneer and plywood manufacturing	321211	1.00	0.67	14.33	4.14
Softwood veneer and plywood manufacturing	321212	5.72	1.27	22.58	3.96
Engineered wood member manufacturing	321213	0.68	1.08	43.44	6.77
Truss manufacturing	321214	3.06	1.65	10.86	7.33
Reconstituted wood product manufacturing	321219	11.77	1.38	19.77	3.99
Other wood product manufacturing	3219	1.06	0.60	14.63	2.05
Millwork	32191	1.42	0.65	17.13	2.34
Wood window and door manufacturing	321911	1.06	0.41	16.34	1.54
Cut stock, resawing lumber, and planing	321912	1.84	1.58	12.85	6.36
Other millwork, including flooring	321918	0.56	0.71	27.41	4.34
Wood container and pallet manufacturing	32192	1.72	0.89	11.38	4.14
Wood container and pallet manufacturing	321920 32199	1.72 0.92	0.89	11.38 12.62	4.14
All other wood product manufacturing Manufactured home, mobile home, manufacturing					3.09
, , ,	321991	0.85	0.62	18.40	3.05
Prefabricated wood building manufacturing	321992 321999	1.12 0.49	1.89 0.53	14.19 5.49	10.49 3.65
Miscellaneous wood product manufacturing	321999	0.49	0.55	5.49	3.00
Paper manufacturing	322	0.97	0.26	16.09	1.10
Pulp, paper & paperboard mills	3221	0.89	0.40	16.15	1.76
Pulp mills	32211	2.16	1.63	26.75	7.62
Pulp mills	322110	2.16	1.63	26.75	7.62
Paper mills	32212	1.10	0.52	13.75	2.74
Paper, except newsprint, mills	322121	1.13	0.53	12.94	2.89
Newsprint mills	322122	2.13	1.97	29.78	2.96
Paperboard mills	32213	0.55	0.52	19.75	1.90
Paperboard mills	322130	0.55	0.52	19.74	1.90
Converted paper product mfg	3222	1.00	0.28	16.43	1.13
Paper container mfg	32221	0.66	0.33	17.91	1.55
Corrugated and solid fiber box manufacturing	322211	0.54	0.38	17.44	1.84
Folding paperboard box manufacturing	322212	1.36	0.92	22.68	3.43
Other paperboard container manufacturing	322219	0.75	0.46	17.54	2.42
Paper bag and coated and treated paper mfg	32222	0.89	0.44	14.40	1.64
Paper bag and coated and treated paper manufacturing	322220	0.89	0.44	14.40	1.64
Stationery product mfg	32223	2.66	1.07	25.51	3.42
Stationery product manufacturing	322230	2.66	1.07	25.51	3.41
Other converted paper product mfg	32229	0.68	0.43	12.43	2.21
Sanitary paper product manufacturing	322291	0.37	0.51	9.15	1.72
All other converted paper product mfg.	322299	1.18	0.54	19.19	5.55
Drinting and related support activities	323	1 20	0.55	17 17	2.41
Printing and related support activities		1.29	0.55	17.17	2.41
Printing and related support activities Printing	3231 32311	1.29 1.32	0.55 0.57	17.17 17.50	2.41 2.48
Commercial screen printing	323113	0.62	0.37	12.86	3.22
Books printing	323117	1.77	0.49	24.81	3.92
Commercial printing, except screen and books	32311K	1.77	0.70	17.64	2.83
Support activities for printing	32312	0.30	0.04	6.78	11.56
Support activities for printing	323120	0.30	0.28	6.78	11.55
Petroleum and coal products manufacturing	324	10.32	0.94	52.12	2.44
Petroleum and coal products mfg	3241	10.32	0.94	52.12	2.44
Petroleum refineries	32411	10.84	1.01	55.55	2.63
Petroleum refineries	324110	10.84	1.01	55.57	2.62
Asphalt paving and roofing materials mfg	32412	0.81	0.61	17.25	2.18
Asphalt paving mixture & block manufacturing	324121	1.94	0.96	17.57	2.28

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Other petroleum and coal products mfg	32419	1.39	0.67	24.90	2.47
Petroleum lubricating oil and grease mfg.	324191	0.99	0.52	21.83	2.25
All other petroleum and coal products mfg.	324199	1.88	1.91	37.45	7.30
Chemical mfg	325	0.91	0.37	12.83	1.41
Basic chemical mfg	3251	1.58	1.07	22.95	4.03
Petrochemical mfg	32511	4.84	2.95	19.81	8.63
Petrochemical manufacturing	325110	4.85	2.89	19.58	8.43
Industrial gas mfg	32512	0.90	1.15	23.29	11.80
Industrial gas manufacturing	325120	0.90	1.15	23.33	11.82
Synthetic dye and pigment mfg	32513	1.89	0.89	18.67	3.06
Synthetic dye and pigment manufacturing	325130	1.89	0.89	18.67	3.10
Other basic inorganic chemical manufacturing	32518	2.26	2.97	33.98	10.53
Other basic inorganic chemical manufacturing Other basic arganic chemical mfg	325180	2.25 1.07	2.94 0.81	33.88	10.41
Other basic organic chemical mfg Ethyl alcohol manufacturing	32519 325193	4.18	2.19	20.61 14.79	3.33
Cyclic crude, intermediate, and gum and wood chemical mfg	325193	1.03	1.13	21.42	7.26
All other basic organic chemical manufacturing	325199	1.48	0.89	22.77	4.50
Resin, synthetic rubber, and artificial/synthetic fiber/filaments mfg	3252	1.50	0.89	7.80	4.03
Resin and synthetic rubber mfg	32521	1.56	0.97	8.48	4.33
Plastics material and resin manufacturing	325211	1.81	1.03	7.91	4.61
Synthetic rubber manufacturing	325212	1.21	0.82	15.11	2.55
Artificial fibers and filaments manufacturing	32522	0.75	0.92	12.18	4.25
Artificial fibers and filaments manufacturing	325220	0.76	0.91	12.16	4.26
Pesticide, fertilizer, and other agricultural chemical mfg	3253	1.80	1.18	38.53	4.42
Fertilizer mfg	32531	2.59	1.31	39.57	3.18
Nitrogenous fertilizer manufacturing	325311	4.75	2.23	66.35	7.03
Phosphatic fertilizer manufacturing	325312	1.10	1.07	27.84	4.62
Fertilizer, mixing only, manufacturing	325314	0.88	0.64	22.74	4.39
Pesticide and other agricultural chemical mfg	32532	2.13	1.57	25.31	9.72
Pesticide and other agricultural chemical manufacturing	325320	2.13 0.25	1.57 0.16	25.31	9.72
Pharmaceutical and medicine mfg Pharmaceutical and medicine mfg	3254 32541	0.25	0.16	3.75 3.75	1.02
Medicinal and botanical manufacturing	325411	0.23	0.10	1.72	2.81
Pharmaceutical preparation manufacturing	325412	0.15	0.24	3.73	1.00
In-vitro diagnostic substance manufacturing	325413	0.06	0.04	9.03	7.71
Other biological product manufacturing	325414	0.09	0.18	2.61	1.46
Paint, coating & adhesive mfg	3255	0.98	0.49	21.77	2.03
Paint and coating mfg	32551	0.80	0.65	22.38	2.85
Paint and coating manufacturing	325510	0.80	0.65	22.38	2.85
Adhesive mfg	32552	1.19	0.74	19.53	2.56
Adhesive manufacturing	325520	1.20	0.74	19.53	2.56
Soap, cleaners, and toilet preparation mfg	3256	0.80	0.31	10.26	1.44
Soap & cleaning compound mfg	32561	0.91	0.41	11.74	1.83
Soap and other detergent manufacturing	325611	0.89	0.39	9.65	1.92
Polish and other sanitation good mfg.	325612	0.53	0.27	9.12	2.21
Surface active agent manufacturing	325613	1.17	1.20	19.89	4.76
Toilet preparation mfg	32562	0.39	0.24	8.56	2.42
Toilet preparation manufacturing Other chemical product & preparation mfg	325620 3259	0.39 0.95	0.24	8.56 10.72	2.41
Printing ink mfg	32591	0.93	0.33	10.72	2.14
Printing link manufacturing	325910	0.61	0.48	10.37	2.14
Explosives mfg	32592	1.03	0.40	11.61	3.61
Explosives manufacturing	325920	1.03	0.65	11.61	3.61
All other chemical product & preparation mfg	32599	0.97	0.63	10.73	1.68
Custom compounding of purchased resins	325991	0.61	0.37	10.40	3.79
Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	325992	0.73	0.95	9.17	3.25
Other miscellaneous chemical product manufacturing	325998	1.12	0.76	10.61	2.36
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percent changes and median 1-month and 12-month standard errors of the percent change, 2022							
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error		
Plastics product mfg	3261	0.87	0.23	17.14	1.64		
Unsupported plastics film, sheet, and bag mfg	32611	0.69	0.44	11.69	1.89		
Plastics bag and pouch manufacturing	326111	0.43	0.46	10.66	3.04		
Plastics packaging film and sheet mfg.	326112	0.76	0.87	5.29	2.36		
Nonpackaging plastics film and sheet mfg.	326113	1.04	0.70	16.95	3.48		
Plastics pipe/fitting/unsupported shapes mfg	32612	0.92	0.63	26.91	1.97		
Unlaminated plastics profile shape mfg.	326121	1.40	1.78	15.53	4.17		
Plastics pipe and pipe fitting manufacturing	326122	0.95	0.47	32.71	2.16		
Laminated plastics plate, sheet, and shape mfg	32613	0.51	0.40	14.57	6.42		
Laminated plastics plate, sheet (except packaging), and shape manufacturing	326130	0.51	0.40	14.57	6.42		
Polystyrene foam product mfg	32614	1.73	1.00	44.17	5.56		
Polystyrene foam product manufacturing	326140	1.73	1.00	44.17	5.56		
Foam product (ex polystyrene) mfg	32615	0.31	0.78	12.75	2.74		
Urethane and other foam product mfg.	326150	0.31	0.78	12.75	2.74		
Plastics bottle mfg	32616 326160	1.03	0.41	14.68	2.83		
Plastics bottle manufacturing Other plastics product mfg	326160 32619	1.03 0.67	0.41	14.68 14.59	2.83 2.86		
Other plastics product mfg							
Plastics plumbing fixture manufacturing All other plastics product manufacturing	326191 326199	0.25 0.68	0.38	13.79 14.62	3.06 2.94		
Rubber product mfg	3262	0.59	0.33	14.58	0.88		
Tire mfg	32621	0.65	0.23	14.61	0.90		
Tire manufacturing, except retreading	326211	0.65	0.41	14.61	0.90		
Rubber and plastics hose and belting	32622	0.55	0.30	9.23	2.00		
Rubber and plastics hose and belting mfg.	326220	0.55	0.30	9.23	2.00		
Other rubber product mfg	32629	0.64	0.24	17.19	1.78		
Rubber product mfg. for mechanical use	326291	0.47	0.32	11.91	2.45		
All other rubber product manufacturing	326299	0.73	0.35	20.50	2.73		
Nonmetallic mineral product manufacturing	327	0.78	0.23	12.00	0.77		
Clay product and refractory manufacturing	3271	0.83	0.41	13.12	2.30		
Pottery, ceramics, and plumbing fixture mfg	32711	0.38	0.25	20.30	6.42		
Pottery, ceramics, and plumbing fixture mfg.	327110	0.38	0.25	20.33	6.56		
Clay building material and refractories mfg	32712	0.84	0.55	10.32	2.00		
Clay building material and refractories mfg.	327120	0.84	0.55	10.32	2.00		
Glass and glass product manufacturing	3272	0.91	0.47	5.90	2.35		
Glass and glass product manufacturing	32721	0.91	0.47	5.90	2.35		
Flat glass manufacturing	327211	1.56	1.32	17.24	3.82		
Other pressed and blown glass and glassware	327212	0.06	0.04	3.30	4.41		
Glass container manufacturing	327213	0.00	0.00	12.26	5.91		
Glass product mfg. made of purchased glass	327215	0.79	0.66	0.71	3.70		
Cement and concrete product manufacturing	3273	1.01	0.40	13.62	1.21		
Cement manufacturing	32731	0.63	0.31	9.04	1.20		
Cement manufacturing	327310	0.63	0.31	9.04	1.20		
Ready-mix concrete manufacturing	32732	0.93	0.73	10.64	1.79		
Ready-mix concrete manufacturing	327320	0.93	0.73	10.64	1.79		
Concrete pipe, brick, and block manufacturing	32733	1.27	0.54	16.94	1.99		
Concrete block and brick manufacturing	327331	0.91	0.48	15.01	2.74		
Concrete pipe manufacturing	327332	1.35	1.23	19.92	2.25		
Other concrete product manufacturing	32739	1.05	0.68	18.19	2.98		
Other concrete product manufacturing	327390	1.05	0.68	18.18	2.97		
Lime and gypsum product manufacturing	3274	0.59	0.35	18.27	1.41		
Lime manufacturing	32741	0.75	0.27	19.08	1.61		
Lime manufacturing	327410	0.75	0.27	19.08	1.61		
Gypsum product manufacturing	32742	0.42	0.41	17.92	1.95		
Gypsum product manufacturing	327420	0.42	0.41	17.93	1.95		
Other nonmetallic mineral products	3279	0.61	0.37	12.60	1.25		
Abrasive product manufacturing	32791	0.55	0.44	9.66	1.85		
Abrasive product manufacturing	327910	0.55	0.44	9.66	1.85		
All other nonmetallic mineral product mfg	32799	0.66	0.38	13.21	1.46		
Cut stone and stone product manufacturing	327991	0.52	0.56	15.78	4.35		

percent changes and median 1-month and 12-month standard errors of the per	rcent change, 20)22			
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Ground or treated mineral and earth manufacturing	327992	0.83	0.84	7.99	3.06
Mineral wool manufacturing	327993	0.72	0.55	17.26	2.33
Miscellaneous nonmetallic mineral products manufacturing	327999	0.20	0.28	9.23	1.53
Primary metal mfg	331	3.32	0.81	17.79	5.27
Iron & steel mills & ferroalloy mfg	3311	4.54	1.64	26.50	10.50
Iron & steel mills & ferroalloy mfg	33111	4.54	1.64	26.50	10.50
Iron and steel mills and ferroalloy mfg	331110	4.54	1.64	26.50	10.50
Steel product mfg from purchased steel	3312	2.36	1.10	23.62	5.39
Iron & steel pipe and tube mfg from purchased steel	33121	1.38	1.83	29.96	9.29
Iron and steel pipe and tube manufacturing from purchased steel	331210	1.40	1.83	29.94	9.30
Rolling & drawing of purchased steel	33122	3.49	1.02	20.33	2.94
Rolled steel shape mfg	331221	6.56	1.75	28.71	3.94
Steel wire drawing	331222	2.19	0.76	35.55	3.34
Alumina & aluminum production & processing	3313	3.43	0.50	13.21	1.41
Alumina & aluminum production & processing	33131	3.43	0.50	13.21	1.41
Secondary smelting and alloying of aluminum	331314	2.58	0.63	28.92	3.54
Aluminum sheet, plate, and foil mfg	331315	2.75	1.02	15.55	2.75
Other aluminum rolling, drawing, and extruding	331318	5.05	0.22	17.01	1.55
Nonferrous (exc alum) production & processing	3314	1.82	0.54	5.14	1.93
Nonferrous metal (except aluminum) smelting and refining	33141	2.64	0.80	11.57	3.77
Nonferrous metal (except aluminum) smelting and refining	331410	2.64	0.80	11.56	3.77
Copper rolling/drawing/extruding & alloying	33142	2.14	0.48	7.89	1.81
Copper rolling, drawing, extruding, and alloying	331420	2.14	0.48	7.89	1.81
Other nonferrous roll/draw/extruding/alloying	33149	1.57	0.92	4.25	3.07
Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	331491	0.69	0.66	17.62	2.91
Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	331492	2.27	1.36	4.54	4.11
Foundries	3315	0.75	0.43	14.19	1.33
Ferrous metal foundries	33151	0.46	0.63	14.87	1.73
Iron foundries	331511	0.48	0.70	15.35	2.47
Steel investment foundries	331512	0.78	1.38	16.47	2.86
Steel foundries, except investment	331513	1.49	0.86	15.34	3.48
Nonferrous metal foundries	33152	0.65	0.35	13.74	2.25
Nonferrous metal die-casting foundries	331523	0.72	0.50	13.78	3.56
Aluminum foundries, except die-casting	331524	0.76	0.54	15.43	6.06
Other nonferrous metal foundries, except die-casting	331529	0.98	0.78	9.16	2.37
Fabricated metal product mfg	332	0.52	0.28	17.78	1.08
Forging & stamping	3321	1.32	0.73	22.90	2.63
Forging & stamping	33211	1.32	0.73	22.90	2.63
Iron and steel forging	332111	0.75	1.75	18.92	4.48
Nonferrous forging	332112	0.51	0.64	7.51	4.68
Custom roll forming	332114	2.44	1.40	45.36	6.23
Powder metallurgy part mfg	332117	0.55	0.34	2.53	2.58
Other metal stamping, except automotive	332119	0.52	0.94	12.75	5.32
Cutlery & handtool mfg	3322	0.55	0.27	8.54	0.92
Cutlery & handtool mfg	33221	0.55	0.27	8.54	0.92
Metal cookware, cutlery, and flatware mfg	332215	0.25	0.12	9.14	1.44
Saw blade, handsaw, and hand and edge tool mfg	332216	0.65	0.41	8.13	1.23
Architectural & structural metals mfg	3323	0.76	0.72	25.83	3.00
Plate work & fabricated structural prod mfg	33231	0.97	1.29	25.16	5.01
Prefabricated metal buildings and components mfg	332311	1.55	2.36	11.68	4.27
Fabricated structural metal mfg	332312	0.94	1.77	31.68	7.51
Plate work mfg	332313	0.45	0.44	14.56	5.40
Ornamental & architectural metal prod mfg	33232	0.92	0.44	26.68	3.33
Metal window and door mfg	332321	0.61	0.47	35.41	7.06
Sheet metal work mfg	332322	0.01	0.63	21.27	3.98
Ornamental and architectural metal work mfg	332323	0.62	0.68	28.45	9.19
Boiler, tank & shipping container mfg	3324	0.63	0.54	21.21	2.41
Power boiler & heat exchanger mfg	33241	0.60	0.66	13.46	4.68
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Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Power boiler and heat exchanger mfg	332410	0.60	0.66	13.49	4.68
Metal tank (heavy gauge) mfg	33242	0.63	0.46	15.84	5.47
Metal tanks, heavy gauge, mfg	332420	0.64	0.46	15.83	5.47
Light gauge metal container mfg	33243	0.63	0.77	26.59	2.61
Metal can mfg	332431	1.18	1.00	28.97	3.16
Other metal container mfg	332439	0.61	0.63	19.49	4.82
Hardware mfg	3325	0.44	0.29	15.62	6.59
Hardware mfg	33251	0.44	0.29	15.62	6.59
Hardware mfg	332510	0.44	0.29	15.62	6.60
Spring & wire product mfg	3326	1.77	0.87	24.70	5.87
Spring & wire product mfg	33261	1.77	0.87	24.70	5.87
Spring mfg	332613	1.18	1.53	35.03	12.14
Other fabricated wire product mfg	332618	0.61	0.69	19.36	5.26
Mach shops, turn prod, screw, nut, bolt mfg	3327	0.56	0.42	10.49	2.20
Machine shops Machine shops	33271	0.35	0.39	5.36	3.06
Machine shops Turned product & corony put & helt mfg	332710	0.35	0.39	5.36	3.06
Turned product & screw, nut & bolt mfg	33272 332721	1.00 0.71	0.51 0.59	15.30 14.50	3.18
Precision turned product mfg					4.29
Bolt, nut, screw, rivet, and washer mfg	332722	0.91	0.89	17.55	4.82
Coating/engrave/heat treating & other activity	3328	0.49	0.61 0.61	11.74	2.57
Coating/engrave/heat treating & other activity	33281 332811	0.49	1.04	11.74 14.92	2.57
Metal location and nannocially angularing		1.25			6.72
Metal coating and nonprecious engraving	332812	0.42	0.52 0.71	12.05	3.87
Electroplating, anodizing and coloring metal	332813 3329	0.50	0.71	8.66	3.23
Other fabricated metal product mfg		0.45 0.71	0.20	12.01	1.38
Metal valve mfg	33291 332911	1.04	0.20	13.33 13.78	1.03
Industrial valve mfg	332912	0.35	0.23	11.90	
Fluid power valve and hose fitting mfg Plumbing fixture fitting and trim mfg	332913	0.35	0.30	11.53	1.72 2.00
Other metal valve and pipe fitting mfg	332919	1.00	0.53	15.17	3.98
All other fabricated metal product mfg	33299	0.39	0.37	11.40	2.30
Ball and roller bearing mfg	332991	0.64	0.36	8.76	1.55
Small arms ammunition mfg	332992	0.00	0.00	5.60	5.48
Fabricated pipe and pipe fitting mfg	332996	0.95	1.29	18.75	6.71
Miscellaneous fabricated metal product mfg	332999	0.51	0.54	12.16	3.41
Small arms, ordnance, and ordnance accessories mfg	33299T	0.00	0.00	2.26	1.25
email arms, orananse, and orananse assessmenting	002001	0.00	0.00	2.20	1.20
Machinery manufacturing	333	0.75	0.12	12.28	0.57
Agricultural, construction, and mining machinery mfg	3331	0.75	0.23	12.10	0.92
Agricultural implement manufacturing	33311	0.76	0.48	15.58	1.81
Farm machinery and equipment mfg	333111	0.79	0.55	16.67	2.18
Lawn and garden equipment mfg	333112	0.80	0.64	10.38	1.92
Construction machinery manufacturing	33312	0.36	0.27	10.17	1.31
Construction machinery mfg	333120	0.36	0.27	10.17	1.31
Mining and oil and gas field machinery mfg	33313	0.43	0.22	8.79	1.45
Mining machinery and equipment mfg	333131	0.56	0.28	14.66	2.13
Oil and gas field machinery and equipment mfg	333132	0.11	0.17	5.75	1.74
Industrial machinery manufacturing	3332	0.55	0.45	13.87	4.22
Other industrial machinery manufacturing	33324	0.55	0.45	13.87	4.22
Food product machinery mfg	333241	0.74	0.39	11.35	2.10
Semiconductor machinery mfg	333242	0.01	0.02	4.30	2.35
Sawmill, woodworking and paper machinery mfg	333243	0.76	0.38	10.01	1.51
Printing machinery and equipment mfg	333244	0.17	0.33	6.55	2.21
Other industrial machinery mfg	333249	0.82	0.83	22.46	8.74
Commercial and service industry machinery manufacturing	3333	0.58	0.17	10.82	1.01
Commercial and service industry machinery manufacturing	33331	0.58	0.17	10.82	1.01
Optical instrument and lens mfg	333314	0.28	0.27	5.29	2.62
Other commercial and service industry machinery mfg	333318	0.73	0.21	12.65	1.20
HVAC and commercial refrigeration equipment	3334	1.20	0.52	20.02	1.78
HVAC and commercial refrigeration equipment	33341	1.20	0.52	20.02	1.78

Index Fan, blower, air purification equipment mfg	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Heating equipment (except warm air furnaces) mfg	333414	0.85	0.41	19.13	2.21
Air-conditioning, refrigeration, and forced air heating equipment mfg	333415	1.43	0.67	21.92	2.52
Metalworking machinery manufacturing	3335	0.68	0.35	8.37	1.96
Metalworking machinery manufacturing Industrial mold mfg	33351 333511	0.68 0.42	0.33	8.37 9.51	1.96 5.80
Special tool, die, jig, and fixture mfg	333514	0.42	0.52	9.31	4.76
Cutting tool and machine tool accessory mfg	333515	0.41	0.33	5.92	0.98
Machine tool mfg	333517	0.30	0.22	5.67	1.55
Rolling mill and other metalworking machinery mfg	333519	0.29	0.50	14.92	7.41
Turbine and power transmission equipment mfg	3336	0.38	0.26	7.38	0.81
Turbine and power transmission equipment mig	33361	0.38	0.26	7.38	0.81
Turbine and turbine generator set units mfg	333611	0.32	0.53	3.99	2.17
Speed changer, drive, and gear mfg	333612	1.16	0.85	12.21	2.03
Mechanical power transmission equipment mfg	333613	1.10	0.63	15.28	2.55
Other engine equipment mfg	333618	0.08	0.73	6.60	0.84
Other general purpose machinery manufacturing	3339	0.80	0.07	12.88	0.70
Pump and compressor manufacturing	33391	1.09	0.13	15.42	1.56
Air and gas compressor mfg	333912	1.56	0.42	18.82	3.34
Measuring, dispensing, and other pumping equipment mfg	333914	0.91	0.42	13.29	1.90
Material handling equipment manufacturing	33392	0.65	0.43	14.83	1.50
Elevator and moving stairway mfg	333921	0.58	0.61	18.16	3.85
Conveyor and conveying equipment mfg	333922	0.78	0.45	17.42	3.67
Overhead cranes, hoists and monorail systems mfg	333923	0.48	0.43	14.65	3.31
Industrial truck, trailer, and stacker mfg	333924	0.40	0.32	12.17	1.66
All other general purpose machinery mfg	33399	0.64	0.22	10.85	0.96
Power-driven handtool mfg	333991	0.01	0.01	10.48	1.19
Welding and soldering equipment mfg	333992	0.59	0.30	12.34	1.65
Packaging machinery mfg	333993	0.63	0.68	12.70	3.78
Industrial process furnace and oven mfg	333994	0.52	0.30	11.16	1.22
Fluid power cylinder and actuator mfg	333995	0.94	0.48	14.74	3.06
Fluid power pump and motor mfg	333996	0.53	0.34	8.99	1.39
Scale and balance mfg	333997	0.70	0.57	9.76	3.06
All other miscellaneous general purpose machinery mfg	333999	0.50	0.38	7.73	1.96
Computer & electronic product mfg	334	0.35	0.13	5.23	0.66
Computer & peripheral equipment mfg	3341	0.53	0.46	4.91	1.96
Computer & peripheral equipment mfg	33411	0.53	0.46	4.91	1.96
Electronic computer mfg	334111	1.06	1.07	9.30	4.58
Computer storage device mfg	334112	0.46	0.48	4.65	3.48
Computer terminal and other computer peripheral equipment mfg	334118	0.07	0.17	2.69	2.65
Communications equipment mfg	3342	0.32	0.33	4.79	1.64
Telephone apparatus mfg	33421	0.53	0.36	5.06	3.19
Telephone apparatus mfg	334210	0.53	0.36	5.05	3.20
Radio/TV broadcast & wireless comm equip mfg	33422	0.15	0.18	3.19	1.89
Broadcast and wireless communications equipment mfg	334220	0.15	0.18	3.20	1.87
Other communications equipment mfg	33429	0.47	0.67	11.69	4.04
Other communications equipment mfg	334290	0.46	0.67	11.69	4.04
Audio & video equipment mfg	3343	0.26	0.21	9.96	2.52
Audio and video equipment mfg	33431	0.26	0.21	9.96	2.52
Audio and video equipment mfg	334310	0.26	0.21	9.96	2.52
Semiconductor and other electronic component mfg	3344	0.38	0.31	4.09	1.63
Semiconductor and other electronic component mfg	33441	0.38	0.31	4.09	1.63
Bare printed circuit board mfg	334412	0.23	0.20	4.67	2.94
Semiconductors and related device mfg	334413	0.51	0.39	2.95	0.99
Electronic connector mfg	334417	0.70	0.81	12.55	2.55
Printed circuit assembly mfg	334418	0.49	0.95	4.75	8.65
Other electronic component mfg	334419	0.25	0.24	7.84	2.53
Capacitor, resistor, coil, transformer, and other inductor mfg	33441K	0.46	0.34	5.01	1.17
Nav/measuring/medical/control instruments mfg	3345	0.38	0.15	5.73	0.82

percent changes and median 1-month and 12-month standard errors of the p	3 , -	1-month	1-month	12-month	12-month
Index	Index code	median absolute percent change	median standard error	median absolute percent change	median standard error
Nav/measuring/medical/control instruments mfg	33451	0.38	0.15	5.73	0.82
Electromedical apparatus mfg	334510	0.06	0.06	2.53	0.68
Search, detection, and navigation instruments	334511	0.09	0.11	5.40	1.92
Automatic environmental control mfg	334512	0.33	0.36	10.63	3.91
Industrial process variable instruments	334513	0.67	0.49	11.25	2.38
Totalizing fluid meters and counting devices mfg	334514	0.36	0.43	12.42	2.44
Electricity and signal testing instruments mfg	334515	0.24	0.24	3.74	0.86
Analytical laboratory instrument mfg	334516	0.22	0.24	7.24	1.09
Irradiation apparatus mfg	334517	0.00	0.00	6.06	3.20
Other measuring and controlling device mfg	334519	0.61	0.34	8.39	1.13
Manufacturing and reproducing magnetic and optical media	3346	0.95	0.33	18.74	3.87
Manufacturing and reproducing magnetic and optical media	33461	0.95	0.33	18.74	3.87
Manufacturing and reproducing magnetic and optical media	334610	0.95	0.33	18.81	3.87
Electrical equipment and appliance mfg	335	1.05	0.28	16.58	1.37
Electric lighting equipment mfg	3351	0.51	0.29	8.59	1.75
Electric lamp bulb & part mfg	33511	0.08	0.08	7.49	2.65
Electric lamp bulb and part mfg	335110	0.08	0.08	7.49	2.62
Lighting fixture mfg	33512	0.55	0.30	9.00	1.88
Residential electric lighting fixture mfg	335121	0.43	1.38	9.47	5.83
Nonresidential electric lighting fixture mfg	335122	0.35	0.33	8.93	2.05
Other lighting equipment mfg	335129	0.02	0.03	8.17	2.51
Household appliance mfg	3352	0.45	0.33	12.32	1.06
Small electrical appliance mfg	33521	0.30	0.40	11.45	2.26
Small electrical appliance mfg	335210	0.30	0.40	11.44	2.27
Major household appliance mfg	33522	0.50	0.37	13.39	1.24
Major household appliance mfg	335220	0.50	0.37	13.37	1.25
Electrical equipment mfg Electrical equipment mfg	3353 33531	1.10 1.10	0.30	19.49 19.49	1.50
Electric power and specialty transformer mfg	335311	1.10	0.33	35.98	3.49
Motor and generator mfg	335312	0.58	0.33	16.70	1.95
Switchgear and switchboard apparatus mfg	335313	0.68	0.53	19.65	2.89
Relay and industrial control mfg	335314	0.24	0.48	13.89	3.93
Other electrical equipment & component mfg	3359	0.98	0.48	16.65	2.89
Storage battery mfg	33591	0.52	0.48	11.03	1.35
Storage battery mfg	335911	0.41	0.38	12.69	1.44
Primary battery mfg	335912	0.67	0.77	10.72	2.67
Communication & energy wire & cable mfg	33592	0.97	1.10	16.89	4.97
Fiber optic cable mfg	335921	0.11	0.01	14.35	3.04
Other communication and energy wire mfg	335929	1.07	1.42	17.20	6.05
Wiring device mfg	33593	0.66	0.51	22.20	2.94
Current-carrying wiring device mfg	335931	0.46	0.37	8.14	1.57
Noncurrent-carrying wiring device mfg	335932	0.96	0.82	34.94	5.41
All other electrical equipment & component mfg	33599	0.64	0.85	13.33	6.56
Carbon and graphite product mfg	335991	0.94	0.68	7.05	8.61
Miscellaneous electrical equipment mfg	335999	0.47	0.88	16.20	6.51
Transportation equipment manufacturing	336	0.37	0.11	5.47	0.35
Motor vehicle manufacturing	3361	0.31	0.16	4.06	0.49
Automobile and light truck manufacturing	33611	0.32	0.13	4.24	0.51
Automobile, light truck and utility vehicle mfg	336110	0.32	0.13	4.24	0.51
Heavy duty truck manufacturing	33612	0.07	0.22	2.55	1.05
Heavy duty truck mfg	336120	0.07	0.22	2.55	1.05
Motor vehicle body and trailer manufacturing	3362	0.54	0.19	21.03	1.15
Motor vehicle body and trailer manufacturing	33621	0.54	0.19	21.03	1.15
Motor vehicle body mfg	336211	0.78	0.43	15.31	2.24
Truck trailer mfg	336212	0.61	0.34	33.11	3.07
Motor home mfg	336213	0.06	0.12	4.16	2.94
Travel trailer and camper mfg	336214	0.42	0.25	19.70	1.66
Motor vehicle parts manufacturing	3363	0.35	0.23	5.23	0.82

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Motor vehicle gasoline engine and parts mfg	33631	0.36	0.14	3.53	0.85
Motor vehicle gasoline engine and engine parts mfg	336310	0.36	0.14	3.53	0.85
Motor vehicle electric equipment	33632	0.16	0.29	7.23	3.07
Motor vehicle electrical and electronic equipment mfg	336320	0.16	0.29	7.23	3.07
Motor vehicle steering and suspension parts	33633	0.20	0.25	5.88	1.26
Motor vehicle steering and suspension components (except spring) manufacturing	336330	0.20	0.25	5.88	1.26
Motor vehicle brake system manufacturing	33634	0.24	0.34	10.72	5.22
Motor vehicle brake system mfg Motor vehicle power train components mfg	336340 33635	0.24 0.14	0.34	10.72 3.38	5.22 0.93
Motor vehicle transmission and power train parts manufacturing	336350	0.14	0.15	3.38	0.93
Motor vehicle seating and interior trim mfg	33636	0.14	0.13	4.33	1.40
Motor vehicle seating and interior trim mfg	336360	0.26	0.23	4.32	1.40
Motor vehicle metal stamping	33637	0.53	0.76	7.77	5.13
Motor vehicle metal stamping	336370	0.53	0.76	7.77	5.14
Other motor vehicle parts manufacturing	33639	0.31	0.33	5.31	1.31
Other motor vehicle parts mfg	336390	0.31	0.33	5.31	1.31
Aerospace product and parts manufacturing	3364	0.28	0.12	4.13	0.50
Aerospace product and parts manufacturing	33641	0.28	0.12	4.13	0.50
Aircraft mfg	336411	0.32	0.07	4.11	0.51
Aircraft engine and engine parts mfg	336412	0.31	0.21	6.08	1.57
Other aircraft parts and equipment mfg	336413	0.05	0.07	1.69	0.72
Railroad rolling stock manufacturing	3365	0.12	0.17	17.77	11.40
Railroad rolling stock manufacturing	33651	0.12	0.17	17.77	11.40
Railroad rolling stock mfg	336510	0.12	0.17	17.78	11.41
Ship and boat building	3366	0.49	0.29	7.72 7.72	1.46
Ship and boat building Ship building and repairing	33661 336611	0.49 0.42	0.29	6.55	1.46 1.93
Ship building and repairing Boat building	336612	0.42	0.37	11.48	0.86
Other transportation equipment manufacturing	3369	0.91	0.24	4.54	1.06
Other transportation equipment manufacturing Other transportation equipment manufacturing	33699	0.22	0.20	4.54	1.06
Motorcycle, bicycle, and parts mfg	336991	0.08	0.15	1.06	0.47
All other transportation equipment mfg	336999	0.19	0.19	7.07	1.55
Furniture & related product mfg	337	0.81	0.35	12.23	1.10
HH & institutional furniture & kitchen cabinet mfg	3371	0.62	0.34	13.04	1.50
Wood kitchen cabinet & countertop mfg	33711	0.21	0.49	9.99	2.05
Wood kitchen cabinet and countertop mfg	337110	0.21	0.49	9.99	2.05
Household & institutional furniture mfg	33712	0.63	0.30		2.05
Upholstered household furniture mfg	337121	0.34	0.26		3.80
Nonupholstered wood household furniture mfg Metal household furniture mfg	337122 337124	0.41 1.14	0.28 1.08	8.32 17.80	1.66 3.81
Household furniture, except wood or metal, mfg	337125	0.05	0.09		1.00
Institutional furniture mfg	337127	1.24	0.52	17.11	3.03
Office furniture (including fixtures) mfg	3372	1.00	0.76	12.96	1.80
Office furniture (including fixtures) mfg	33721	1.00	0.76	12.96	1.80
Wood office furniture mfg	337211	1.05	0.37	14.33	4.77
Custom architectural woodwork and millwork	337212	0.54	0.45		3.81
Office furniture, except wood, mfg	337214	2.00	1.71	11.88	2.41
Showcases, partitions, shelving, and lockers mfg	337215	1.09	1.38	12.58	3.97
Other furniture related product mfg	3379	0.46	0.37	9.47	1.82
Mattress mfg	33791	0.42	0.29	7.28	1.90
Mattress mfg	337910	0.42	0.29		1.91
Blind & shade mfg	33792	0.12	0.24	21.45	4.95
Blind and shade mfg	337920	0.12	0.24	21.45	4.95
Miscellaneous mfg	339	0.39	0.15	5.95	0.75
Medical equipment & supplies mfg	3391	0.28	0.15	3.26	1.08
Medical equipment & supplies mfg	33911	0.28	0.15	3.26	1.08
Surgical and medical instrument mfg	339112	0.12	0.21	2.04	1.90
Surgical appliance and supplies mfg	339113	0.29	0.23	5.31	1.59

Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Dental equipment and supplies mfg	339114	1.34	0.83	3.78	2.89
Ophthalmic goods mfg	339115	0.10	0.10	4.55	0.97
Other miscellaneous mfg	3399	0.55	0.24	10.02	1.16
Jewelry & silverware mfg	33991 339910	0.91	0.36	6.69 6.69	2.39
Jewelry and silverware mfg Sporting & athletic goods mfg	339910	0.91 0.35	0.30	6.31	2.39 3.88
Sporting and athletic goods mfg	339920	0.35	0.37	6.20	3.97
Doll, toy & game mfg	33993	0.00	0.06	10.25	3.51
Doll, toy, and game mfg	339930	0.00	0.06	10.25	3.52
Office supplies (exc paper) mfg	33994	0.31	0.00	8.46	3.54
Office supplies, except paper, mfg	339940	0.31	0.25	8.46	3.54
Sign mfg	33995	0.65	0.67	12.00	3.87
Sign mfg	339950	0.65	0.67	12.00	3.87
All other misc mfg	33999	0.45	0.25	11.13	0.97
Gasket, packing, and sealing device mfg	339991	0.37	0.42	7.93	2.26
Musical instrument mfg	339992	0.48	0.25	7.32	0.99
Fastener, button, needle, and pin mfg	339993	0.00	0.00	11.48	2.09
Broom, brush, and mop mfg	339994	0.21	0.35	6.59	1.52
Burial casket mfg	339995	0.09	0.14	9.05	1.25
All other miscellaneous mfg	339999	0.28	0.40	14.62	1.46
Services					
Merchant wholesalers, durable goods	423	1.02	1.06	12.25	2.60
Motor vehicle and parts merchant wholesalers	4231	3.40	3.57	27.95	10.15
Motor vehicle and parts merchant wholesalers	42310	3.40	3.57	27.95	10.15
Motor vehicle and parts merchant wholesalers	423100	3.39	3.57	27.95	10.13
Furniture and home furnishing merchant wholesalers	4232	0.97	3.01	22.76	10.14
Furniture and home furnishing merchant wholesalers	42320	0.97	3.01	22.76	10.14
Furniture and home furnishing merchant wholesalers	423200	0.98	3.01	22.82	10.17
Lumber and other construction materials merchant wholesalers	4233	1.59	2.20	27.68	8.35
Lumber and other construction materials merchant wholesalers	42330	1.59	2.20	27.68	8.35
Lumber and other construction materials merchant wholesalers	423300	1.59	2.20	27.70	8.31
Professional and commercial equipment and supplies merchant wholesalers	4234	1.19	2.05	5.60	5.54
Professional and commercial equipment and supplies merchant wholesalers	42340	1.19	2.05	5.60	5.54
Professional and commercial equipment and supplies merchant wholesalers	423400	1.20	2.03	5.59	5.52
Metal and mineral (except petroleum) merchant wholesalers	4235	7.30	4.68	19.18	10.58
Metal and mineral (except petroleum) merchant wholesalers	42350	7.30	4.68	19.18	10.58
Metal and mineral (except petroleum) merchant wholesalers	423500	7.29	4.70	19.11	10.60
Household appliances and electrical and electronic goods merchant wholesalers	4236	3.05	2.57	9.75	5.71
Household appliances and electrical and electronic goods merchant wholesalers	42360	3.05	2.57	9.75	5.71
Household appliances and electrical and electronic goods merchant wholesalers	423600	3.11	2.56	10.07	5.75
Hardware, plumbing and heating equipment and supplies merchant wholesalers	4237	1.53	3.23	8.79	9.91
Hardware, plumbing and heating equipment and supplies merchant wholesalers Hardware, plumbing, and heating equipment and supplies merchant wholesalers	42370 423700	1.53 1.49	3.23	8.79 9.10	9.91 10.20
Machinery, equipment, and supplies merchant wholesalers	4238	0.83	1.61	17.71	6.84
Machinery, equipment, and supplies merchant wholesalers	42380	0.83	1.61	17.71	6.84
Machinery and supply merchant wholesalers	423800	0.83	1.63	17.71	6.92
Miscellaneous durable goods merchant wholesalers (except materials recyclers)	4239	1.02	1.83	8.18	5.46
Miscellaneous durable goods merchant wholesalers (except materials recyclers)	42390	1.02	1.83	8.18	5.46
Miscellaneous durable goods, except recyclable material, merchant wholesalers	423900	0.98	1.83	8.14	5.48
			4.00		
Merchant wholesalers, nondurable goods	424	1.16	1.06	14.59	2.68
Paper and paper product merchant wholesalers	4241	2.27	1.41	38.61	6.29
Paper and paper product merchant wholesalers	42410	2.27	1.41	38.61	6.29
Paper and paper product merchant wholesalers Price and druggists' sundries merchant wholesalers	424100	2.27	1.41	38.61	6.29
Drugs and druggists' sundries merchant wholesalers	4242 42420	1.43 1.43	2.82	5.90 5.90	7.34 7.34
Drugs and druggists' sundries merchant wholesalers Drugs and druggists' sundries merchant wholesalers	424200	1.43	2.82	5.90	7.34
9 99	+				
Apparel and piece goods merchant wholesalers	4243	3.02	3.29	5.41	5.12

percent changes and median 1-month and 12-month standard errors of the pe	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Apparel and piece goods merchant wholesalers	424300	3.02	3.29	5.41	5.12
Grocery and related product merchant wholesalers	4244	1.93	1.77	14.07	3.56
Grocery and related product merchant wholesalers	42440	1.93	1.77	14.07	3.56
Grocery and related product merchant wholesalers	424400	1.93	1.77	14.07	3.56
Chemicals and allied products merchant wholesalers	4246	1.32	2.09	11.57	5.26
Chemicals and allied products merchant wholesalers	42460	1.32	2.09	11.57	5.26
Chemicals and allied products merchant wholesalers	424600	1.32	2.09	11.57	5.26
Petroleum and petroleum products merchant wholesalers	4247	2.48	3.69	17.03	5.79
Petroleum and petroleum products merchant wholesalers	42470	2.48	3.69	17.03	5.79
Petroleum and petroleum products merchant wholesalers	424700	2.48	3.69	17.04	5.79
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	1.10	1.02	12.31	5.66
Beer, wine, and distilled alcoholic beverage merchant wholesalers	42480	1.10	1.02	12.31	5.66
Beer, wine, and distilled alcoholic beverage merchant wholesalers	424800	1.10	1.02	12.31	5.66
Miscellaneous nondurable goods merchant wholesalers	4249	2.70	2.18	24.18	10.17
Miscellaneous nondurable goods merchant wholesalers	42490	2.70	2.18	24.18	10.17
Miscellaneous nondurable goods merchant wholesalers	424900	2.70	2.18	24.18	10.17
INISOCIIANEOUS NONUALIUS GOODS INCIONAIR WHOICSAICIS	424300	2.70	2.10	24.10	10.17
Material recyclers	429930	4.46	1.40	18.96	3.67
Motor vehicle and parts dealers	441	0.95	0.55	14.22	2.93
Automobile dealers	4411	1.22	0.55	13.19	3.63
New car dealers	44111	1.22	0.61	13.19	3.63
	441110	1.22	0.61	13.19	3.63
New car dealers		5.07	5.14	29.11	
Recreational vehicle dealers	44121			+	9.31
Recreational vehicle dealers	441210	5.07	5.14	29.11	9.31
Boat dealers Automatica parts accessories and tire ratellars	441222	1.36	1.70	21.68	13.12
Automotive parts, accessories and tire retailers	4413	1.38	1.11	16.62	3.62
Automotive parts and accessories stores	44131	2.04	1.61	17.84	4.25
Automotive parts and accessories stores	441310	2.04	1.61	17.84	4.25
Tire dealers Tire dealers	44132 441320	1.27 1.27	1.32 1.32	15.74 15.74	6.54 6.54
Furniture and home furnishings stores	442	1.33	1.50	18.17	10.02
Furniture stores	4421	1.01	1.28	11.54	9.49
Furniture stores	44211	1.01	1.28	11.54	9.49
Furniture stores	442110	1.01	1.28	11.54	9.49
Floor covering stores	44221	2.36	1.82	21.57	8.70
Floor covering stores	442210	2.36	1.82	21.57	8.70
Electronics and appliance stores	443	2.08	3.10	6.40	7.67
Electronics and appliance stores	4431	2.78	2.70	6.77	7.10
Electronics and appliance stores	44310	2.77	2.70	6.70	7.08
Electronics and appliance stores	443100	2.74	2.70	6.60	7.06
Building material & garden supply retailers	444	3.87	2.36	5.63	4.48
Building material and supplies dealers	4441	4.30	2.61	6.08	4.76
Building material and supplies dealers	44410	4.30	2.61	6.08	4.76
Building materials and supplies dealers	444100	4.30	2.61	6.08	4.76
Lawn and garden equip and supplies retailers	4442	1.68	1.63	16.77	8.02
Nursery, garden and farm supply stores	44422	1.68	1.63	16.77	8.02
Nursery, garden, and farm supply stores	444220	1.68	1.63	16.77	8.02
,, 5,					
Food and beverage retailers	445	1.59	0.93	14.07	1.65
	445 4451	1.59 1.77	0.93 1.00	14.07 14.45	1.65 1.78
Food and beverage retailers					
Food and beverage retailers Grocery retailers	4451	1.77	1.00	14.45	1.78
Food and beverage retailers Grocery retailers Grocery (except convenience) retailers	4451 44511	1.77 1.77	1.00 1.00	14.45 14.45	1.78 1.78
Food and beverage retailers Grocery retailers Grocery (except convenience) retailers Supermarkets and other grocery stores	4451 44511 445110	1.77 1.77 1.77	1.00 1.00 1.00	14.45 14.45 14.45	1.78 1.78 1.78
Food and beverage retailers Grocery retailers Grocery (except convenience) retailers Supermarkets and other grocery stores Specialty food retailers	4451 44511 445110 4452	1.77 1.77 1.77 1.31	1.00 1.00 1.00 1.66	14.45 14.45 14.45 13.77	1.78 1.78 1.78 5.92

Health and personal care stores	Index Beer, wine, and liquor stores	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Health and personal care stores	peer, wine, and liquor stores	445510	1.47	1.30	4.19	4.09
Pharmacies and drug stores	Health and personal care stores	446	0.58	1.00	1.94	2.83
Pharmacies and drug stores	Health and personal care stores	4461	0.58	1.00	1.94	2.83
Optical goods stores					1.07	3.46
Optical goods stores					1.07	3.46
Food (health) supplement stores					12.02	5.03
Casoline stations					12.02	5.03
Gasoline stations 4471 7.20 5.31 21 Gasoline stations 44710 7.20 5.17 21 Gasoline stations 447100 7.21 5.18 21 Clothing and clothing accessories stores 448 4.12 1.85 7 Clothing stores 4481 4.03 2.37 7 Clothing stores 44810 4.03 2.37 7 Shoe stores 44820 2.07 2.02 7 Shoe stores 44821 2.07 2.02 7 Shoe stores 44821 2.07 2.02 7 Shoe stores 448210 2.07 2.02 7 Shoe stores 44831 0.53 0.99 8 Jawelry stores 44831 0.53 0.99 8 Sporting goods stores 44831 0.53 0.99 8 Sporting goods hobby, and book stores 4511 2.84 2.24 2.2 2.2 2.2 2.2 2.2 <td>Food (nealtn) supplement stores</td> <td>446191</td> <td>1.22</td> <td>1.40</td> <td>6.09</td> <td>7.74</td>	Food (nealtn) supplement stores	446191	1.22	1.40	6.09	7.74
Gasoline stations 44710 7.20 5.17 21 Gasoline stations 447100 7.21 5.18 21 Clothing and clothing accessories stores 448 4.12 1.85 21 Clothing stores 4481 4.03 2.37 7 Clothing stores 44810 4.03 2.37 7 Shoe stores 448210 4.03 2.37 7 Shoe stores 44821 2.07 2.02 7 Shoe stores 44831 0.53 0.89 8 Jewelry stores 44831 0.53 0.89 8 Jewelry stores 448310 0.53 0.89 8 Sporting goods and hobby stores 4511 2.86 2.74 2 Sporting goods stores 45111 2.86 <td>Gasoline stations</td> <td>447</td> <td>7.20</td> <td>5.17</td> <td>21.66</td> <td>11.35</td>	Gasoline stations	447	7.20	5.17	21.66	11.35
Casoline stations	Gasoline stations	4471	7.20	5.31	21.66	11.81
Clothing and clothing accessories stores	Gasoline stations	44710	7.20	5.17	21.66	11.35
Clothing stores	Gasoline stations	447100	7.21	5.18	21.70	11.38
Clothing stores	Clothing and clothing accessories stores	448	<i>∆</i> 12	1 85	7.03	3.00
Clothing stores					7.03	3.91
Clothing stores					7.32	3.91
Shoe stores 44821 2.07 2.02 7 Shoe stores 448210 2.07 2.02 7 Jewelry, Ugage and leather goods stores 44831 0.53 0.89 8 Jewelry stores 44831 0.53 0.89 8 Jewelry stores 44831 0.53 0.89 8 Sporting goods stores 44811 2.6 2.74 2 Sporting goods stores 4511 2.86 2.74 2 Sporting goods stores 45111 3.89 3.68 5 Sporting goods stores 45112 0.03 0.05 0 Up and game stores 45112 0.03 0.05 0 Jobs principles and game st					7.32	3.91
Shoe stores	Shoe stores	4482	2.07	2.02	7.91	5.59
Jewelry, luggage and leather goods stores	Shoe stores	44821	2.07	2.02	7.91	5.59
Jewelry stores 44831 0.53 0.89 8 Jewelry stores 448310 0.53 0.89 8 Sporting goods, hobby, and book stores 451 2.84 2.24 2 Sporting goods and hobby stores 45111 2.86 2.74 3 Sporting goods stores 451110 3.89 3.68 5 Sporting goods stores 451110 3.89 3.68 5 Hobby, toy and game stores 45112 0.03 0.05 0 Hobby, toy, and game stores 45112 0.03 0.05 0 Hobby, toy, and game stores 4512 2.00 0.69 2 Book, periodical and music stores 4512 2.00 0.69 2 Book stores and news dealers 45121 2.00 0.69 2 Book stores and news dealers 45121 2.00 0.69 2 Book stores 45221 3.34 2.39 4 General merchandise stores 45221 3.34 2.39	Shoe stores	448210	2.07	2.02	7.91	5.59
Jewelry stores	Jewelry, luggage and leather goods stores				8.64	3.24
Sporting goods, hobby, and book stores	-				8.64	3.24
Sporting goods and hobby stores	Jewelry stores	448310	0.53	0.89	8.64	3.24
Sporting goods stores					2.72 3.94	4.70 5.78
Hobby, toy and game stores					5.18	7.77
Hobby, toy, and game stores					5.18	7.77
Book, periodical and music stores 4512 2.00 0.69 2 Book stores and news dealers 45121 2.00 0.69 2 Book stores 451211 2.00 0.69 2 Book stores 451211 2.00 0.69 2 General merchandise stores 45121 2.00 0.69 2 General merchandise stores 4522 1.47 1.30 13 Department stores 4522 3.34 2.39 4 Department stores 452210 3.34 2.39 4 Department stores 452210 3.34 2.39 4 Other general merchandise stores 4523 1.59 1.51 18 Other general merchandise stores 45231 1.59 1.51 18 Other general merchandise stores 45231 1.59 1.51 18 Other general merchandise stores 45231 1.59 1.51 18 Office supplies, stationery and gift stores 45320 1.27 <td< td=""><td></td><td></td><td></td><td></td><td>0.28</td><td>2.05</td></td<>					0.28	2.05
Book stores and news dealers					0.28	2.05
Book stores					2.62 2.62	1.40
Department stores					2.62	1.40
Department stores	General merchandise stores				13.91	3.42
Department stores 452210 3.34 2.39 4 Other general merchandise stores 4523 1.59 1.51 18 Other general merchandise stores 45231 1.59 1.51 18 Other general merchandise stores 452310 1.59 1.51 18 Office supplies, stationery and gift stores 45322 1.27 1.04 9 Office supplies, stationery and gift stores 45320 1.27 1.04 9 Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 4811 4.18 1.15 21	Department stores				4.16	3.90
Other general merchandise stores 4523 1.59 1.51 18 Other general merchandise stores 45231 1.59 1.51 18 Other general merchandise stores 452310 1.59 1.51 18 Office supplies, stationery and gift stores 4532 1.27 1.04 9 Office supplies, stationery and gift stores 45320 1.27 1.04 9 Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21	•				4.16	3.90
Other general merchandise stores 45231 1.59 1.51 18 Other general merchandise stores 452310 1.59 1.51 18 Office supplies, stationery and gift stores 4532 1.27 1.04 9 Office supplies, stationery and gift stores 45320 1.27 1.04 9 Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 4811 4.18 1.15 21					4.16	3.90
Other general merchandise stores 452310 1.59 1.51 18 Office supplies, stationery and gift stores 4532 1.27 1.04 9 Office supplies, stationery and gift stores 45320 1.27 1.04 9 Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 4811 4.18 1.15 21	-				18.24 18.24	4.70 4.70
Office supplies, stationery and gift stores 4532 1.27 1.04 9 Office supplies, stationery and gift stores 45320 1.27 1.04 9 Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 4811 4.18 1.15 21					18.24	4.70
Office supplies, stationery and gift stores 45320 1.27 1.04 9 Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21	Other general merchandise stores	432310	1.53	1.51	10.24	4.70
Office supplies, stationery, and gift stores 453200 1.27 1.04 9 Nonstore retailers 454 2.37 1.83 3 Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21	Office supplies, stationery and gift stores	4532	1.27	1.04	9.49	4.75
Nonstore retailers					9.49	4.75
Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21	Office supplies, stationery, and gift stores	453200	1.27	1.04	9.49	4.75
Electronic and mail-order shopping 454110 1.38 1.11 3 Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21	Nonstore retailers	454	2 37	1 83	3.00	4.18
Fuel dealers 45431 6.32 5.08 9 Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21					3.96	4.67
Fuel dealers 454310 6.32 5.08 9 Air transportation 481 3.76 1.01 20 Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21					9.42	8.61
Scheduled air transportation 4811 4.18 1.15 21 Scheduled air transportation 48111 4.18 1.15 21	Fuel dealers	454310	6.32	5.08	9.42	8.61
Scheduled air transportation 48111 4.18 1.15 21	Air transportation	481	3.76	1.01	20.21	1.84
	Scheduled air transportation	4811	4.18	1.15	21.43	2.05
Scheduled passenger air transportation 481111 4.35 1.22 21	Scheduled air transportation		4.18		21.43	2.05
					21.81	2.21
					12.47	7.60
·	•				9.70 9.70	3.54 3.54

percent changes and median 1-month and 12-month standard erro					
Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Nonscheduled air passenger chartering	481211	0.71	0.67	7.18	3.58
Nonscheduled air freight chartering	481212	1.22	1.58	17.33	6.54
Rail transportation	482	0.62	0.19	9.12	0.56
Rail transportation	4821	0.62	0.19	9.12	0.56
Rail transportation	48211	0.62	0.19	9.12	0.56
Line-haul railroads	482111	0.62	0.19	9.12	0.56
Water transportation	483	1.00	1.20	26.83	3.47
Deep sea freight transportation	483111	1.89	2.09	29.45	5.95
Coastal and Great Lakes freight transport.	483113	1.29	0.27	24.26	1.74
Inland water transportation	4832	0.96	0.74	17.62	3.64
Inland water transportation	48321	0.96	0.74	17.62	3.64
Inland water freight transportation	483211	0.96	0.74	17.62	3.64
Truck transportation	484	0.97	1.02	22.83	2.90
General freight trucking	4841	0.94	1.48	24.42	3.57
General freight trucking, local	48411	0.83	0.70	18.08	7.03
General freight trucking, local	484110	0.83	0.70	18.08	7.02
General freight trucking, long-distance	48412	1.15	1.63	25.53	4.16
General freight trucking, long-distance TL	484121	1.38	2.27	27.59	5.76
General freight trucking, long-distance LTL	484122	2.46	1.47	16.30	2.87
Specialized freight trucking	4842	1.22	0.66	18.14	3.14
Used household and office goods moving	48421	1.62	0.59	12.59	2.80
Used household and office goods moving	484210	1.62	0.59	12.59	2.80
Specialized freight (except used) trucking, local	48422	0.77	0.66	22.39	6.67
Specialized freight (except used goods) trucking, local	484220	0.77	0.66	22.39	6.67
Specialized freight (except used) trucking, long-distance	48423	1.51	1.19	18.92	3.12
Specialized freight (except used goods) trucking, long-distance	484230	1.51	1.19	18.92	3.12
Pipeline transportation of crude oil	4861	0.00	0.00	4.95	0.23
Pipeline transportation of crude oil	48611	0.00	0.00	4.95	0.23
Pipeline transportation of crude oil	486110	0.00	0.00	4.95	0.23
Other pipeline transportation	4869	0.00	0.00	4.15	0.54
Pipeline transportation of refined petroleum products	48691	0.00	0.00	4.15	0.54
Refined petroleum product pipeline transport.	486910	0.00	0.00	4.15	0.54
Transportation support activities	488	1.04	1.61	7.59	7.37
Air transportation support activities	4881	0.73	0.51	1.68	2.00
Airport operations	48811	0.98	0.79	1.51	2.43
Other airport operations	488119	0.98	0.79	1.51	2.43
Other air transportation support activities	48819	0.64	0.48	5.68	3.31
Other support activities for air transport.	488190	0.64	0.48	5.68	3.31
Water transportation support activities	4883	0.17	0.27	3.46	1.18
Port and harbor operations	48831	0.80	0.80	4.19	2.00
Port and harbor operations	488310	0.80	0.80	4.19	2.00
Marine cargo handling	48832	0.03	0.05	1.84	0.46
Marine cargo handling	488320	0.03	0.05	1.84	0.46
Navigational services to shipping	48833	0.29	0.61	8.56	5.51
Navigational services to shipping	488330	0.29	0.61	8.56	5.51
Freight transportation arrangement	4885	2.01	3.30	16.98	14.44
Freight transportation arrangement	48851	2.01	3.30	16.98	14.44
Freight transportation arrangement	488510	2.01	3.29	16.98	14.42
U.S. Postal Service	491	0.00	0.00	5.54	2.05
U.S. Postal Service	4911	0.00	0.00	5.54	2.05
U.S. Postal Service	49111	0.00	0.00	5.54	2.05
U.S. Postal Service	491110	0.00	0.00	5.54	2.05
Couriers and messengers	492	0.93	0.03	11.83	0.24
Journal of the mood of the second of the sec	732	0.33	0.03	11.00	0.24

Index Couriers and express delivery services	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Couriers and express delivery services	49211	0.97	0.02	11.75	0.16
Couriers and express delivery services	492110	0.97	0.02	11.75	0.16
Local messengers and local delivery	4922	0.34	0.43 0.43	11.02	4.16
Local messengers and local delivery	49221 492210	0.34	0.43	11.02	4.16
Local messengers and local delivery				11.02	4.16
Warehousing and storage	493	4.02	3.71 3.71	14.23	8.60
Warehousing and storage	4931 49311	4.02 5.05	4.09	14.23 15.66	8.60 10.98
General warehousing and storage	493110	5.05	4.09	15.66	10.98
General warehousing and storage	493110	1.58	1.38	8.00	3.36
Refrigerated warehousing and storage	49312	1.58	1.38		
Refrigerated warehousing and storage				8.00	3.36
Farm product warehousing and storage	49313 493130	0.65	0.32	7.51 7.51	4.87
Farm product warehousing and storage	493130	0.65	0.32	7.51	4.87
Publishing industries, except Internet	511	1.04	0.53	1.17	1.79
Newspaper, book, and directory publishers	5111	0.45	0.58	3.16	1.25
Newspaper publishers	51111	1.13	1.21	1.23	2.43
Newspaper publishers	511110	1.13	1.21	1.23	2.43
Periodical publishers	51112	0.49	0.47	2.52	2.09
Periodical publishers	511120	0.49	0.47	2.52	2.08
Book publishers	51113	0.68	0.94	6.17	1.58
Book publishers	511130	0.68	0.94	6.17	1.58
Directory and mailing list publishers	51114	0.61	1.00	2.51	1.73
Directory and mailing list publishers	511140	0.61	1.00	2.51	1.73
Other publishers	51119	0.13	0.13	2.10	1.44
Greeting card publishers	511191	0.07	0.10	2.20	1.86
All other publishers	511199	0.09	0.10	0.98	1.94
Software publishers	5112	1.08	0.84	0.65	3.03
Software publishers	51121	1.08	0.84	0.65	3.03
Software publishers	511210	1.08	0.84	0.65	3.03
Broadcasting, except Internet	515	1.27	1.07	2.27	3.25
Radio and television broadcasting	5151	3.26	1.97	5.77	4.16
Radio broadcasting	51511	2.59	1.43	2.51	2.89
Radio broadcasting	515110	2.59	1.42	2.50	2.89
Television broadcasting	51512	3.39	2.65	6.18	5.51
Television broadcasting	515120	3.40	2.65	6.13	5.50
Cable and other subscription programming	5152	0.90	1.04	1.32	3.31
Cable and other subscription programming	51521	0.90	1.04	1.32	3.31
Cable and other subscription programming	515210	0.90	1.04	1.32	3.31
Total	E47	2.25	2.22	2.11	
Telecommunications	517	0.23	0.22	2.14	0.90
Wired and wireless telecommunications carriers	5173	0.23	0.22	2.14	0.91
Wired and wireless telecommunications carriers	51731	0.23	0.22	2.14	0.91
Wired telecommunications carriers	517311	0.29	0.24	2.60	1.20
Wireless telecommunications carriers	517312	0.01	0.02	0.90	0.84
Data processing and related services	5182	0.11	0.16	1.20	1.83
Data processing and related services	51821	0.11	0.16	1.20	1.83
Data processing, hosting and related services	518210	0.11	0.16	1.20	1.83
Internet publishing and web search portals	519130	0.79	1.22	1.66	3.91
Depository credit intermediation	5221	2.04	0.65	4.77	1.89
Commercial banking	52211	2.09	0.69	4.68	2.02
Commercial banking	522110	2.09	0.69	4.68	2.02
Savings institutions	52212	0.94	1.17	6.28	3.17

percent changes and median 1-month and 12-month standard error	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Savings institutions	522120	0.94	1.17	6.28	3.17
Security, commodity contracts and like activity	523	1.51	1.02	2.89	2.73
Securities and commodity contracts intermediation and brokerage	5231	5.08	1.81	9.17	7.49
Investment banking and securities dealing	52311	6.20	1.83	9.14	9.37
Investment banking and securities dealing	523110	6.20	1.83	9.14	9.37
Securities brokerage	52312	3.50	2.24	16.74	9.49
Securities brokerage	523120	3.50	2.24	16.74	9.49
Portfolio management	52392	2.03	0.80	10.15	2.56
Portfolio management	523920	2.03	0.80	10.15	2.56
Investment advice	52393	4.48	0.37	11.10	0.52
Investment advice	523930	4.48	0.37	11.10	0.52
Insurance carriers and related activities	524	0.10	0.10	1.86	0.54
Insurance carriers	5241	0.10	0.10	1.90	0.56
Direct life/health/medical insurance carriers	52411	0.07	0.09	2.03	0.77
Direct life insurance carriers	524113	0.13	0.14	1.81	0.83
Direct health and medical insurance carriers	524114	0.07	0.08	2.15	1.16
Other direct insurance carriers	52412	0.18	0.25	1.79	0.75
Direct property and casualty insurers	524126	0.18	0.25	1.79	0.75
Insurance agencies and brokerages	52421	0.01	0.01	0.33	0.44
Insurance agencies and brokerages	524210	0.01	0.01	0.33	0.44
Lessors of nonresidential buildings (except miniwarehouses)	53112	1.48	1.20	3.24	1.82
Lessors of nonresidential buildings	531120	1.48	1.20	3.24	1.82
Lessors of miniwarehouse and self storage units	53113	1.11	0.29	16.34	1.42
Miniwarehouse and self-storage unit operators	531130	1.11	0.29	16.34	1.42
Offices of real estate agents and brokers	5312	0.49	0.21	9.82	1.41
Offices of real estate agents and brokers	53121	0.49	0.21	9.82	1.41
Offices of real estate agents and brokers	531210	0.49	0.21	9.82	1.41
Real estate property managers	53131	0.40	0.53	4.11	1.50
Residential property managers	531311	0.35	0.38	2.59	1.24
Nonresidential property managers	531312	0.75	0.83	5.48	3.34
Offices of real estate appraisers	531320	0.55	0.64	10.13	2.25
Automotive equipment rental and leasing	5321	2.89	1.22	3.30	2.78
Passenger car rental and leasing	53211	3.47	1.75	3.75	4.32
Passenger car rental	532111	3.47	1.75	3.75	4.32
Truck, utility trailer and RV rental and leasing	53212	0.59	0.45	3.82	2.39
Truck, utility trailer, and RV rental and leasing	532120	0.58	0.46	3.81	2.44
Other heavy machinery rental and leasing	532412	0.66	0.77	6.45	2.79
Legal services	5411	0.17	0.30	4.99	1.34
Offices of lawyers	54111	0.17	0.30	4.99	1.34
Offices of lawyers	541110	0.17	0.30	4.99	1.34
Offices of certified public accountants	541211	0.57	0.74	3.21	2.09
Other accounting services	541219	1.24	1.20	4.11	4.83
Architectural, engineering and related services	5413	0.19	0.19	4.73	1.70
Architectural services	54131	0.13	0.11	2.33	0.62
Architectural services	541310	0.13	0.11	2.33	0.62
Engineering services	54133	0.20	0.22	5.02	1.95
Engineering services	541330	0.20	0.22	5.02	1.94
Management and technical consulting services	5416	0.30	0.37	1.22	3.12
Management consulting services	54161	0.30	0.37	1.22	3.12
Management consulting services	541610	0.30	0.37	1.22	3.12
Advertising agencies	54181	0.08	0.12	7.61	4.64
Advertising agencies	541810	0.08	0.12	7.61	4.64
Employment services	5613	0.16	0.23	5.00	1.50
Employee leasing services	56133	0.17	0.27	1.72	2.84
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Index Professional employer organizations	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error
Staffing services (except PEOs)	56138	0.28	0.33	7.23	1.81
Staffing services (except PEOs)	561380	0.28	0.33	7.23	1.80
Travel agencies	56151	0.77	0.54	3.64	2.19
Travel agencies	561510	0.77	0.54	3.65	2.20
Security guards and patrol services	561612	0.12	0.39	7.22	2.48
Janitorial services	56172	0.30	0.48	7.52	4.41
Janitorial services	561720	0.30	0.48	7.52	4.41
Waste collection	5621	0.70	0.41	7.48	3.37
Waste collection	56211	0.70	0.41	7.48	3.37
Solid waste collection	562111	0.70	0.41	7.48	3.37
Offices of physicians	6211	0.07	0.11	0.41	0.48
Offices of physicians	62111	0.07	0.11	0.41	0.48
Offices of physicians, except mental health	621111	0.07	0.11	0.41	0.48
Offices of dentists	6212	0.10	0.10	3.66	0.97
Offices of dentists	62121	0.10	0.10	3.66	0.97
Offices of dentists	621210	0.10	0.10	3.66	0.97
Medical and diagnostic laboratories	6215	0.02	0.09	0.31	0.34
Medical and diagnostic laboratories	62151	0.02	0.09	0.31	0.34
Medical laboratories	621511	0.04	0.15	0.29	0.34
Diagnostic imaging centers	621512	0.00	0.00	0.58	0.80
Home health care services	6216	0.15	0.12	2.46	0.42
Home health care services	62161	0.15	0.12	2.46	0.42
Home health care services	621610	0.15	0.12	2.46	0.42
All other ambulatory health care services	62199	0.39	0.44	2.52	0.86
Blood and organ banks	621991	0.39	0.44	2.52	0.86
Hospitals	622	0.24	0.28	3.08	0.70
General medical and surgical hospitals	6221	0.28	0.31	3.21	0.81
General medical and surgical hospitals	62211	0.28	0.31	3.21	0.81
General medical and surgical hospitals	622110	0.28	0.31	3.21	0.81
Psychiatric and substance abuse hospitals	6222	0.04	0.06	5.60	3.75
Psychiatric and substance abuse hospitals	62221	0.04	0.06	5.60	3.75
Psychiatric and substance abuse hospitals	622210	0.04	0.06	5.60	3.75
Other specialty hospitals	6223	0.63	0.42	1.97	1.70
Other specialty hospitals	62231	0.63	0.42	1.97	1.70
Other specialty hospitals	622310	0.63	0.42	1.97	1.70
N. C. Tre	0004	0.00	0.00	0.00	0.00
Nursing care facilities	6231	0.23	0.22	2.86	0.93
Nursing care facilities	62311	0.23	0.22	2.86	0.93
Nursing care facilities	623110	0.23	0.22	2.86	
Residential developmental disability homes	62321	0.16	0.26	5.30	1.37
Residential developmental disability homes	623210	0.16	0.26	5.30	1.37
Amusement and theme parks	7131	1.10	0.81	7.50	2.53
Amusement and theme parks	71311	1.10	0.81	7.50	2.53
Amusement and theme parks	713110	1.10	0.81	7.51	2.53
Golf courses and country clubs	71391	0.50	0.41	7.31	2.14
Golf courses and country clubs	713910	0.50	0.41	7.31	2.14
Fitness and recreational sports centers	71394	0.17	0.16	2.33	1.72
Fitness and recreational sports centers	713940	0.17	0.16	2.33	1.71
Accommodation	721	1.69	2.34	12.91	3.77
Accommodation	7211	1.69	2.34	12.91	3.77
Hotels (exc casino hotels) and motels	72111	2.83	3.09	15.61	5.19
Hotels and motels, except casino hotels	721110	2.84	3.09	15.61	5.19
The state of the s					
Casino hotels	72112	2.07	1.30	5.45	1.94

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Index	Index code	1-month median absolute percent change	1-month median standard error	12-month median absolute percent change	12-month median standard error		
Commercial machinery repair and maintenance	8113	0.84	0.74	14.64	2.95		
Commercial machinery repair and maintenance	81131	0.84	0.74	14.64	2.95		
Commercial machinery repair and maintenance	811310	0.84	0.74	14.63	2.95		

Variance estimates for price changes in the Producer Price Index

The Producer Price Index (PPI) program at the Bureau of Labor Statistics (BLS) began publishing variance estimates in 2016 based on data for 2015. PPI intends to publish variance estimates on an annual basis. This document outlines the uses for variance statistics and provides a description of PPI variance estimation methodology.

Survey error

Survey error can be classified into sampling error and nonsampling error. Sampling error results when a parameter is calculated on the basis of a sample instead of the full population. The PPI program collects price information for a sample of more than 100,000 goods and services on a monthly basis. These transaction prices are used to construct the broad range of PPIs. PPI variance estimates measure the sampling error in the estimate of the percent change in an index. Sampling error reflects the difference between a sample estimate of change and the true population value. Variance statistics measure the precision of a sample estimate.

Nonsampling error occurs in many forms, but whatever the form, nonsampling error does not affect the spread of the sample estimates. Nonsampling error can, however, cause the estimate to be consistently higher (or lower) than the true population estimate. When this occurs, it is called the *bias of a sample estimate*. One example of sample estimate bias is nonresponse error. Each month, there are establishments in the PPI sample for which no price data are received. If the subset of the sample that fails to provide price update information differs consistently in some way from the subset that does respond, bias is created in the estimate. Another type of nonsampling error occurs when the frame from which the sample was drawn does not properly represent the population. Still other nonsampling errors occur during the collection of data. For example, if instructions do not provide clear directions regarding what is to be collected, BLS economists may fail to communicate their requests clearly or may make errors in recording the data they collect. If any of these errors appear on a consistent basis, a bias is created in the estimate. The PPI program, along with other programs at BLS, analyzes estimates for the presence of bias and mitigates nonsampling error by conducting dedicated research into the population of interest, by clearly documenting data collection procedures, and by performing quality checks throughout the collection process.

A sample estimate with high variability, but no bias, is less precise, but has an expected value equal to that of the true population value. By contrast, a sample estimate with low variability, but a large bias, may prove consistent with other sample estimates from the population sampled, but does not have an expected value equal to the population value. An ideal sample estimate has a small variance and no bias.

Description of data

Each month, the PPI program calculates 1-month and 12-month percent changes and their associated variance estimates. The values that constitute the annual PPI publication of variance statistics include the *median of the absolute values of the percent change* as a reference statistic, as well as the corresponding *median standard error* as the measure of variance, both based on 1-month and 12-month percent changes for the calendar year.

A commonly used measure of sampling variability is the standard error (SE), which is the square root of the variance estimate. The SE estimates the sample distribution, or spread of the sample estimates, for comparison with the true population value. The SE is used to calculate a confidence interval around the sample percent change estimate. To calculate a 95-percent confidence interval, data users commonly add and subtract 2 times the SE value from its corresponding percent change estimate to obtain a range of values that likely contains the true population percent change. If this range includes zero, then the percent change is not significantly different from zero.

In analyzing variance in the PPI, the median of the absolute value of the percent change is the reference statistic that best represents the magnitude of the percent change in an index. If, instead, the median value of the signed percent changes over a calendar year were used for an index that exhibits bidirectional volatility, then the resulting median value might be small while the discrete values themselves would include a number of large increases and decreases. The median value of 12 months of signed percent changes would then fail to correspond with the median standard error for the calendar year, because the individual, larger index percent changes likely have larger standard errors associated with them and standard errors are always positive. For example, an index that increased by 5 percent 6 months of the year and decreased by 5 percent the other 6 months of the year could have an SE of 1 percent for each month. The median percent change would then be zero, but the median SE would be 1 percent. The linkage between these two values would break down because of the bidirectional volatility of the index. In contrast, employing the median of the absolute values of the percent change provides a reference statistic of 5 percent, which is a more appropriate reference value when paired with the median SE value of 1 percent.

PPI variance estimates include data for the North American Industry Classification System (NAICS), the Final Demand-Intermediate Demand (FD-ID) system, and the unique-to-PPI, commodity-based index structure. For the NAICS-based industry structure, variance data are available for industry sector indexes; 3-, 4-, and 5-digit industry group indexes; and for 6-digit industry indexes. Six-digit industries are the basic unit for sampling and data collection in PPI. The FD-ID system is the main PPI structure for analyzing producer inflation at the aggregate level. Variance data are provided for the entire FD-ID aggregation system. Within the PPI commodity-based index structure, 6-digit commodity indexes are the detailed components of the FD-ID system. Data users commonly use 4-digit and 6-digit PPI commodity indexes to explain FD-ID index movements. Variance data are provided for 2-, 3-, 4-, and 6-digit commodity-based indexes.

Analyzing the data

Sampling error can be affected by a number of factors, such as the size and design of the sample, as well as the variability of the population of interest. The larger the sample size, the more accurate is the representation of the population and the smaller is the deviation from the true population value. If every item in the population were selected into the sample, the sample mean and the population mean would be equal and the sample estimate would have a standard error of zero. This tendency toward equality of the sample mean and the population mean and toward a standard error of zero can be observed in the PPI: typically, the standard errors of index percent changes for more highly aggregated indexes tend to be smaller than the standard errors of percent change estimates of more detailed indexes. This is not always the case, however, because other factors also affect the standard error. In addition, standard errors typically decrease, on a relative basis, compared with their accompanying reference measures, when the analysis shifts to a 12-month basis rather than a 1-month basis.

For example, the 1-month median absolute percent change in the final demand goods index for 2016 was 0.46 percent and the accompanying SE value was 0.10 percent. Thus, two standard error values, plus and minus, provide 95-percent confidence that the true change in the median absolute 1-month change in the final demand goods index was between 0.26 percent and 0.66 percent in 2016. Looking at 12-month data for the final demand services index in 2016 reveals that the median absolute change was 1.32 percent, the SE was 0.47 percent, and the 95-percent confidence interval was between 0.38 percent and 2.26 percent. The confidence intervals for the major components of the final demand index varied in 2016, with the relative size of the confidence band for the goods component being somewhat narrower compared to the relative size of the confidence interval for the services component of final demand, which exhibited somewhat wider banding. (See table A.)

Table A. Variance estimates for selected PPI Final Demand-Intermediate Demand indexes, 2016

Index	1-month median absolute percent change	1-month median standard error	median absolute standard percent	
Final demand	.20	.11	.14	.33
Final demand, goods	.46	.10	2.09	.19
Final demand, services	.14	.16	1.32	.47
Final demand, construction	.05	.06	.92	.21

When the calculated 95-percent confidence interval contains a value of zero, the interpretation is that there is not a significant percent change for the given statistic. For example, in 2016 the 1-month median absolute percent change for the final demand index was 0.20 percent, while the SE value was 0.11 percent. Subtracting two SE values from the 0.20 median absolute percent change results in a range of values that contains zero. This means that, at the two SE confidence level, zero is a possible outcome of the percent change, and the statement that the percent change differs from zero cannot be made. For this particular example, seven months in 2016 had a 1-month rate of change in the PPI for final demand that ranged from -0.2 percent to +0.2 percent, resulting in the median absolute percent change of 0.2. In contrast, while the 2015 SE for the final demand index also was 0.11 percent, the 1-month median absolute percent change was larger, 0.30 percent. Those results provided directional confidence at the two SE level in 2015. The SE for the aggregate index (in this case final demand) is contributed to by the various components by which it is comprised (final demand for goods, services and construction). If a component is more volatile, it will be reflected in the SE of its aggregate.

PPI sampling

Three times each year, the PPI program updates its samples for approximately 25 to 30 industries. Industries are defined according to the North American Industry Classification System (NAICS). PPI industry samples last, on average, about 7 years, and updating samples in this manner distributes the burden of data collection over time. The decision when to select a new sample for an industry is based on a number of factors, including the age of the current sample, its level or rate of attrition, the rate at which producers enter and exit the industry, and the degree that product and service lines undergo dynamic change. Once an industry is chosen for sampling, an industry study is undertaken to identify unique characteristics of that industry and to determine whether special considerations need to be taken into account in designing the sample, initiating data collection, and requesting monthly price updates. The PPI program typically conducts initial data collection via interviews with producers that are sampled. The number of units allocated to an industry's new sample depends on a variety of

factors, including number of producers in the industry, original size of the current sample, deterioration rate, and current variance estimate.

The drawing of an industry sample takes place in two stages. The first stage is the selection of establishments, using probability-proportional-to-size sampling. The PPI program typically selects industry-based samples of establishments from the Unemployment Insurance (UI) frame—a file that lists all businesses that pay unemployment insurance. This file provides size measure data in terms of either employment or wages. However, for some industries—particularly services industries—the PPI program makes use of alternative frame sources that have more suitable size measures. The size measure of a frame serves as a proxy for establishment revenue and is used to calculate an establishment's weight in the PPI survey. The best sampling size measure is determined on an industry-by-industry basis. At this stage, some establishments are selected with certainty, because they have a large size measure, whereas others have a probability of selection. These establishments are known as certainty and probability establishments, respectively. Although each industry is itself an explicit *stratum* (a nonoverlapping subgroup), information obtained during the industry study process, as well as the data available from the frame, determine whether further stratification is necessary. Examples of additional stratification variables are the industry's geographic dispersion and size category of its producers.

The second-stage sample is drawn when BLS economists conduct initiation interviews with officials at the establishments selected in stage 1. In stage 2, the economist obtains a more accurate measure of establishment size by obtaining actual revenue information from the sample unit. Then, using a probability-based disaggregation method that identifies unique characteristics of products and transactions, the economist selects a sample of transactions of goods or services whose prices will be tracked over time. Information collected during initiation is entered into the PPI database. Price update requests are then sent to respondents on a monthly basis for the life of the sample.

Two industries with the same sample size can have very different standard errors because of the variability, or spread, of the population from which the sample is drawn. Industry samples are designed to account for diverse types of establishments that experience different kinds of price movements in a population. For example, the industry designated "offices of real estate agents and brokers" (NAICS 531210) has proportional representation of both residential and nonresidential offices and transactions. Proportionally allocating a portion of the sample to each stratum of a population, rather than relying on a random draw of the entire population, ensures better representation of the population. As mentioned previously, another key factor in the standard error of an estimate is the variability of the population itself: some industries experience very small price movements while others exhibit volatile pricing.

In certain cases, primarily PPIs for agricultural products, price data are not directly sampled by PPI staff. Instead, the data are collected from secondary sources, mainly the U.S. Department of Agriculture, but also other sources. For PPI purposes, these data are considered a census of available information, and as a result, no sampling variability exists in the percent change estimates based on them, and their standard error values are zero. These standard error values contribute to higher level aggregations, and at some point, aggregate indexes include both sampled and nonsampled data. In particular, all commodity codes under PPI group 01, Farm Products, are calculated from nonsampled data, as is the FD–ID index for Unprocessed Foodstuffs and Feedstuffs. Furthermore, the latter index constitutes a substantial portion of the aggregate index for Unprocessed Goods for Intermediate Demand.

Calculating percent change estimates

The PPI calculates variance statistics for 1-month and 12-month percent change estimates. To understand the specific calculations, it is important to have a general understanding of how PPIs are calculated. The rest of this section provides an explanation of those calculations.

Calculating the long-term relative for items in a lowest level cell index:

The PPI calculates the long-term price relative for each item with a price that is considered good. Essentially, a good price is an item price that does not require imputation because a valid price was collected from the respondent during a given period. To calculate the long-term price relative, the PPI divides the current-period price of an item by the base-period price of that item:

$$LTR_{k,c,t} = \frac{p_{k,c,t}}{p_{k,c,0}},$$

where LTR_{k,c,t} is the long-term price relative of item k with a good price in cell c at time t, $p_{k,c,t}$ is the price of item k in cell c at time t, and $p_{k,c,0}$ is the price of item k in cell c in base period 0.

Calculating the cell aggregate for a lowest level cell index:

To calculate the cell aggregate, the PPI multiplies the long-term price relative of each item by the weight of the item and sums across the items in the cell:

$$CA_{c,t} = \sum_{i=1}^{n_c} w_{i,c} LTR_{i,c,t}$$

Here, $CA_{c,t}$ is the cell aggregate for cell c at time t, $w_{i,c}$ is the weight of item i in cell c, $LTR_{i,c,t}$ is the long-term price relative of item i in cell c at time t, and n_c is the total number of items in cell c.

Calculating the cell-level index:

To calculate the cell-level index, the PPI divides the cell aggregate for the current period by the cell aggregate for the previous period and multiplies by the cell-level index for the previous period:

$$I_{c,t} = \frac{\mathrm{CA}_{c,t}}{\mathrm{CA}_{c,t-1}} I_{c,t-1},$$

In this equation, $I_{c,t}$ is the index for cell c at time t, $I_{c,t-1}$ is the index for cell c at time t-1, $CA_{c,t}$ is the cell aggregate for cell c at time t, and $CA_{c,t-1}$ is the cell aggregate for cell c at time t-1.

Lower level indexes are then aggregated in the industry, commodity, and FD–ID index structures, with the use of a system of weights derived from U.S. Census Bureau data and other sources.

Calculating 1-month and 12-month percent changes for an index:

To calculate these changes, use the formula

$$PC_{c,t,t-m} = \left(\frac{I_{c,t}}{I_{c,t-m}} - 1\right) \times 100,$$

where $PC_{c,t,t-m}$ is the percent change in the index for cell c from time t-m to time t, in which m is equal to 1 month or 12 months previously, $I_{c,t}$ is the index for cell c at time t, and $I_{c,t-m}$ is the index for cell c at time t-m.

Variance estimation

Variance estimates reflect the sample distribution of the population. Basically, variance estimation answers the question, "If a survey were conducted many times, with multiple independent samples drawn from the population, what would be the spread of the sample estimates?" If the sample estimates are tightly grouped about the sample mean, the variance is small. If they are widely distributed, the variance is larger. Because conducting the survey several times is not possible, the PPI program uses a simulation method of variance estimation called *bootstrapping*, which involves drawing 150 replicate samples, with replacement, from the original sample and then calculating the percent change estimates for each replicate sample.

Selecting replicates:

First, within each industry, variance strata are formed, in accordance with the following criteria:

- For probability establishments, each sampling stratum is set to be a variance stratum with each establishment serving as a primary sampling unit (PSU). If there are no additional sampling strata within an industry, then all probability establishments are placed into a single variance stratum.
- Certainty establishments with more than one item become their own variance stratum. Within this variance stratum, each item is a variance PSU.
- Certainty establishments from which only one item is collected are paired with similar units, with each item being its own variance PSU. As many as three of these units can be collapsed into a single variance stratum. If no like unit exists, this single-item unit is paired with a multi-item certainty unit to form a variance stratum. Again, each item is a variance PSU. Finally, if there are no other certainty units in the sample, this single-item certainty unit is included in every replicate.

After the variance strata are defined, 150 bootstrap replicates are selected from the sample. Each replicate is selected in the following manner:

- Of the n_h PSUs in each variance stratum, a replicate sample is of size $n_h 1$. One exception is when there is a certainty unit containing a single item and there are no like establishments with which to pair that unit. In this circumstance, the unit/item is the only variance PSU in its variance stratum, and it is included in every replicate. Another exception occurs when there is only one probability unit in a sample; in that case, that unit also is included in all replicates.
- Using the sample as a frame, the PPI selects each replicate by means of random sampling with replacement. This strategy gives each PSU an equal probability of selection and allows a PSU to be selected more than once.

Reweighting:

Item weights are rescaled in each replicate with the use of the formula

$$w_{hik}^* = w_{hik} \left[\left(\frac{n_h}{n_h - 1} \right) m_{hi}^* \right],$$

where h is the variance stratum, i is the variance PSU, k is the item, w_{hik}^* is the bootstrap weight, w_{hik} is the weight of the original item, n_h is the number of original sample units in the variance stratum, and m_{hi}^* is the number of times variance PSU i in stratum h is selected in a given replicate.

Calculating variance estimates:

Variance estimates are calculated for each percent change estimate calculated by the PPI program. The variance replicates that are selected at the detailed industry level are aggregated by using PPI aggregation structures to produce estimates for all 1-month and 12-month percent changes for each replicate. Variance estimates are then calculated with the formula

$$v_{PC_{c,t,t-m}} = \frac{1}{B} \sum_{b=1}^{B} (\hat{\theta}_b - \hat{\theta}_{\text{full}})^2$$

where B is the number of bootstrap replicates (in the current implementation, B = 150), $\hat{\theta}_b$ is the percent change estimate for a given replicate, and $\hat{\theta}_{\text{full}}$ is the percent change estimate of the original sample.

The standard error is the square root of the variance estimate:

$$SE = \sqrt{v_{PC}}_{c, t, t-m}$$

For more information, email the Producer Price Index Section of Index Analysis and Public Information at ppi-info@bls.gov, or call (202) 691-7705.

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