

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, 2018

| 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 | | | | | |
| Final demand | FD4 | 0.37 | 0.10 | 2.89 | 0.23 |
| Final demand goods | FD41 | 0.41 | 0.08 | 3.31 | 0.19 |
| Final demand foods | FD411 | 0.65 | 0.19 | 1.07 | 0.35 |
| Finished consumer foods | FD4111 | 0.72 | 0.20 | 1.03 | 0.36 |
| Finished consumer foods, processed | FD41112 | 0.22 | 0.22 | 0.55 | 0.39 |
| Finished consumer foods, crude | FD41113 | 4.92 | 0.00 | 5.37 | 0.00 |
| Government purchased foods | FD4112 | 0.49 | 0.26 | 0.89 | 0.47 |
| Foods for export | FD4113 | 1.30 | 0.16 | 1.78 | 0.35 |
| Final demand energy | FD412 | 1.47 | 0.35 | 9.69 | 0.68 |
| Finished consumer energy goods | FD4121 | 1.43 | 0.40 | 7.78 | 0.53 |
| Government purchased energy | FD4122 | 1.69 | 0.53 | 16.62 | 1.87 |
| Energy for export | FD4123 | 1.99 | 0.75 | 24.80 | 3.11 |
| Final demand goods less foods and energy | FD413 | 0.18 | 0.05 | 2.60 | 0.26 |
| Finished goods less foods and energy | FD4131 | 0.17 | 0.04 | 2.27 | 0.34 |
| Finished consumer goods less foods and energy | FD41311 | 0.15 | 0.05 | 2.76 | 0.55 |
| Nondurable consumer goods less foods and energy | FD413111 | 0.19 | 0.07 | 3.54 | 0.92 |
| Durable consumer goods | FD413112 | 0.07 | 0.06 | 1.66 | 0.19 |
| Private capital equipment | FD41312 | 0.15 | 0.04 | 1.61 | 0.15 |
| Private capital equipment for manufacturing industries | FD413121 | 0.28 | 0.07 | 2.41 | 0.26 |
| Private capital equipment for nonmanufacturing industries | FD413122 | 0.13 | 0.05 | 1.38 | 0.15 |
| Government purchased goods, excluding foods and energy | FD4132 | 0.18 | 0.05 | 2.23 | 0.29 |
| Government purchased goods excluding foods, energy, and capital equipment | FD41321 | 0.21 | 0.07 | 2.89 | 0.27 |
| Government purchased capital equipment | FD41322 | 0.08 | 0.05 | 1.16 | 0.41 |
| Goods for export, excluding foods and energy | FD4133 | 0.26 | 0.08 | 3.05 | 0.23 |
| Final demand services | FD42 | 0.19 | 0.14 | 2.67 | 0.33 |
| Final demand services less trade, transportation, and warehousing | FD421 | 0.23 | 0.10 | 2.66 | 0.27 |
| Finished services less trade, transportation, and warehousing | FD4211 | 0.23 | 0.10 | 2.73 | 0.28 |
| Finished consumer services less trade, transportation, and warehousing | FD42111 | 0.27 | 0.11 | 2.59 | 0.30 |
| Private capital investment services less trade, transportation, and warehousing | FD42112 | 0.21 | 0.17 | 4.42 | 0.54 |
| Government purchased services less trade, transportation, and warehousing | FD4212 | 0.22 | 0.14 | 1.71 | 0.41 |
| Gov. purchased services less trade, transportation, and warehousing, excl. capital investment | FD42121 | 0.23 | 0.14 | 1.71 | 0.41 |
| Government purchased capital investment services less trade, transportation, and warehousing | FD42122 | 0.40 | 0.54 | 1.35 | 0.94 |
| Services for export less trade, transportation, and warehousing | FD4213 | 0.27 | 0.19 | 3.49 | 0.52 |
| Final demand transportation and warehousing services | FD422 | 0.52 | 0.21 | 5.68 | 0.49 |
| Transportation of passengers for final demand | FD4221 | 2.09 | 0.61 | 3.37 | 0.93 |
| Transportation of private passengers | FD42211 | 2.08 | 0.61 | 3.37 | 0.92 |
| Transportation of government passengers | FD42212 | 2.07 | 0.61 | 3.36 | 0.92 |
| Transportation of passengers for export | FD42213 | 2.11 | 0.62 | 3.39 | 0.94 |
| Transportation and warehousing of goods for final demand | FD4222 | 0.52 | 0.14 | 6.18 | 0.54 |
| Transportation and warehousing of finished goods | FD42221 | 0.55 | 0.15 | 6.41 | 0.59 |
| Transportation and warehousing of personal consumption goods | FD422211 | 0.54 | 0.15 | 6.34 | 0.58 |
| Transportation and warehousing of private capital equipment | FD422212 | 0.52 | 0.16 | 6.66 | 0.63 |
| Transportation and warehousing of government purchased goods | FD42222 | 0.51 | 0.14 | 5.53 | 0.48 |
| Transportation and warehousing of exports | FD42223 | 0.41 | 0.12 | 5.70 | 0.41 |
| Final demand trade services | FD423 | 0.35 | 0.43 | 1.78 | 0.91 |
| Trade of finished goods | FD4231 | 0.31 | 0.46 | 1.53 | 0.88 |
| Trade of personal consumption goods | FD42311 | 0.26 | 0.50 | 0.88 | 0.87 |
| Trade of private capital equipment | FD42312 | 0.75 | 0.87 | 3.92 | 2.10 |
| Trade of government purchased goods | FD4232 | 0.43 | 0.61 | 3.20 | 1.58 |
| Trade of government purchased goods, excluding capital equipment | FD42321 | 0.26 | 0.70 | 1.84 | 1.88 |
| Trade of government purchased capital equipment | FD42322 | 0.98 | 1.02 | 4.36 | 2.46 |
| Trade of exports | FD4233 | 0.51 | 0.59 | 3.33 | 1.56 |
| Final demand construction | FD43 | 0.13 | 0.04 | 3.85 | 0.23 |
| Construction for private capital investment | FD431 | 0.17 | 0.05 | 3.96 | 0.25 |
| Construction for government | FD432 | 0.08 | 0.06 | 3.69 | 0.33 |
| Final demand less exports | FD49101 | 0.35 | 0.10 | 2.80 | 0.23 |
| Final demand less government | FD49102 | 0.37 | 0.10 | 2.84 | 0.24 |
| Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy | FD49103 | 0.17 | 0.11 | 2.58 | 0.27 |
| Final demand less foods and energy | FD49104 | 0.18 | 0.11 | 2.62 | 0.26 |

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| Final demand less foods and food and nonalcoholic beverages for immediate consumption | FD49105 | 0.43 | 0.11 | 3.00 | 0.25 |
| Final demand less foods | FD49106 | 0.41 | 0.10 | 3.02 | 0.24 |
| Final demand less energy | FD49107 | 0.16 | 0.10 | 2.48 | 0.24 |
| Final demand less trade services | FD49108 | 0.39 | 0.06 | 3.26 | 0.16 |
| Final demand less distributive services | FD49109 | 0.38 | 0.06 | 3.14 | 0.17 |
| Final demand goods less energy | FD49111 | 0.21 | 0.06 | 2.04 | 0.22 |
| Final demand goods less foods | FD49112 | 0.54 | 0.08 | 3.98 | 0.23 |
| Final demand services less trade services | FD49113 | 0.26 | 0.09 | 2.96 | 0.24 |
| Final demand distributive services | FD49114 | 0.28 | 0.37 | 2.37 | 0.78 |
| Final demand goods plus final demand distributive services | FD49115 | 0.40 | 0.16 | 2.91 | 0.35 |
| Final demand less foods, energy, and trade services | FD49116 | 0.23 | 0.06 | 2.89 | 0.18 |
| Private and government purchased capital equipment | FD49117 | 0.14 | 0.04 | 1.56 | 0.16 |
| Private and government purchased capital investment services | FD49118 | 0.57 | 0.42 | 4.22 | 1.05 |
| Total private and government purchased capital investment | FD49119 | 0.31 | 0.20 | 2.98 | 0.49 |
| Total finished | FD49201 | 0.36 | 0.11 | 2.73 | 0.25 |
| Total finished less foods, food & nonalcoholic beverages for immediate consumption, & energy | FD49202 | 0.16 | 0.12 | 2.58 | 0.28 |
| Total finished less foods and energy | FD49203 | 0.17 | 0.12 | 2.55 | 0.28 |
| Total finished less foods and food and nonalcoholic beverages for immediate consumption | FD49204 | 0.39 | 0.12 | 2.88 | 0.26 |
| Total finished less foods | FD49205 | 0.38 | 0.12 | 2.84 | 0.26 |
| Total finished less energy | FD49206 | 0.17 | 0.11 | 2.38 | 0.27 |
| Finished goods | FD49207 | 0.39 | 0.10 | 3.04 | 0.23 |
| Finished goods less energy | FD49208 | 0.20 | 0.06 | 1.68 | 0.28 |
| Finished goods, excluding foods | FD49209 | 0.57 | 0.12 | 3.78 | 0.28 |
| Finished services | FD49210 | 0.18 | 0.15 | 2.62 | 0.33 |
| Private capital investment services | FD49211 | 0.56 | 0.40 | 4.27 | 1.01 |
| Finished distributive services | FD49212 | 0.31 | 0.40 | 2.06 | 0.78 |
| Finished services less trade services | FD49213 | 0.26 | 0.10 | 3.00 | 0.26 |
| Finished services less distributive services | FD49214 | 0.25 | 0.10 | 2.78 | 0.27 |
| Total private capital investment (goods, services, and construction) | FD49215 | 0.31 | 0.20 | 3.03 | 0.50 |
| Finished goods plus finished distributive services | FD49216 | 0.36 | 0.20 | 2.60 | 0.40 |
| Total exports | FD49301 | 0.36 | 0.11 | 3.68 | 0.29 |
| Goods for export | FD49302 | 0.29 | 0.08 | 3.51 | 0.20 |
| Services for export | FD49303 | 0.42 | 0.27 | 3.69 | 0.71 |
| Total government purchases | FD49401 | 0.41 | 0.11 | 3.53 | 0.24 |
| Government purchased goods | FD49402 | 0.55 | 0.14 | 5.14 | 0.42 |
| Government purchased services | FD49403 | 0.22 | 0.16 | 2.13 | 0.42 |
| Total government purchased capital investment (goods, services, and construction) | FD49404 | 0.27 | 0.17 | 2.52 | 0.44 |
| Personal consumption | FD49501 | 0.36 | 0.12 | 2.70 | 0.26 |
| Personal consumption goods (finished consumer goods) | FD49502 | 0.45 | 0.14 | 3.61 | 0.30 |
| Personal consumption goods less energy | FD49503 | 0.31 | 0.09 | 1.64 | 0.38 |
| Personal consumption goods less foods | FD49504 | 0.76 | 0.17 | 4.89 | 0.39 |
| Personal consumption services | FD49505 | 0.11 | 0.16 | 2.30 | 0.32 |
| Personal consumption less trade services | FD49506 | 0.46 | 0.08 | 3.19 | 0.22 |
| Personal consumption less distributive services | FD49507 | 0.44 | 0.08 | 3.08 | 0.23 |
| Personal consumption nondurable goods less foods | FD49508 | 0.96 | 0.22 | 5.89 | 0.52 |
| Personal consumption goods plus personal consumption distributive services | FD49509 | 0.43 | 0.23 | 2.70 | 0.41 |
| Personal consumption less foods and energy | FD49510 | 0.11 | 0.14 | 2.40 | 0.30 |
| Personal consumption less foods, energy, and trade services | FD49511 | 0.24 | 0.09 | 2.88 | 0.26 |
| Personal consumption less foods, energy, and distributive services | FD49512 | 0.23 | 0.09 | 2.71 | 0.27 |
| Intermediate Demand by Commodity Type | | | | | |
| Processed goods for intermediate demand | ID61 | 0.67 | 0.11 | 5.40 | 0.31 |
| Materials and components for manufacturing | ID611 | 0.47 | 0.16 | 4.32 | 0.48 |
| Materials for manufacturing | ID6111 | 0.66 | 0.26 | 6.02 | 0.77 |
| Materials for food manufacturing | ID61111 | 0.35 | 0.30 | 1.80 | 0.61 |
| Materials for nondurable manufacturing | ID61112 | 0.62 | 0.47 | 6.17 | 1.37 |
| Materials for durable manufacturing | ID61113 | 0.58 | 0.24 | 8.09 | 0.96 |
| Components for manufacturing | ID6112 | 0.20 | 0.05 | 2.15 | 0.23 |
| Components for nondurable manufacturing | ID61121 | 0.28 | 0.22 | 2.62 | 0.57 |
| Components for durable manufacturing | ID61122 | 0.21 | 0.05 | 2.11 | 0.23 |

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|---|------------|--|-------------------------------|---|--------------------------------|
| Materials and components for construction | ID612 | 0.29 | 0.15 | 5.18 | 0.43 |
| Materials for construction | ID6121 | 0.61 | 0.19 | 5.23 | 0.41 |
| Components for construction | ID6122 | 0.32 | 0.19 | 5.57 | 0.68 |
| Processed fuels and lubricants for intermediate demand | ID613 | 1.71 | 0.37 | 11.39 | 1.25 |
| Processed fuels and lubricants to manufacturing industries | ID6131 | 1.37 | 0.54 | 10.74 | 1.75 |
| Processed fuels and lubricants to nonmanufacturing industries | ID6132 | 2.06 | 0.42 | 11.63 | 1.28 |
| Containers for intermediate demand | ID614 | 0.15 | 0.14 | 3.37 | 0.44 |
| Supplies for intermediate demand | ID615 | 0.16 | 0.08 | 2.99 | 0.21 |
| Supplies to manufacturing industries | ID6151 | 0.34 | 0.14 | 4.60 | 0.53 |
| Supplies to nonmanufacturing industries | ID6152 | 0.20 | 0.08 | 2.74 | 0.21 |
| Supplies to nonmanufacturing industries, feeds | ID61521 | 1.30 | 0.43 | 4.86 | 1.14 |
| Supplies to nonmanufacturing industries, other than feeds | ID61522 | 0.12 | 0.07 | 2.56 | 0.20 |
| Unprocessed goods for intermediate demand | ID62 | 2.50 | 0.32 | 4.77 | 0.56 |
| Unprocessed foodstuffs and feedstuffs | ID621 | 2.19 | 0.00 | 1.39 | 0.00 |
| Unprocessed nonfood materials | ID622 | 3.10 | 0.51 | 9.00 | 0.91 |
| Unprocessed nonfood materials except fuel | ID6221 | 3.10 | 0.43 | 16.98 | 0.84 |
| Unprocessed nonfood materials except fuel to manufacturing industries | ID62211 | 3.22 | 0.45 | 17.74 | 0.88 |
| Unprocessed nonfood materials except fuel to nonmanufacturing industries | ID62212 | 0.29 | 0.24 | 3.37 | 0.89 |
| Unprocessed fuel | ID6222 | 2.24 | 1.01 | 8.98 | 1.88 |
| Unprocessed fuel to manufacturing industries | ID62221 | 1.29 | 0.58 | 4.58 | 1.95 |
| Unprocessed fuel to nonmanufacturing industries | ID62222 | 2.29 | 1.02 | 9.13 | 1.89 |
| Services for intermediate demand | ID63 | 0.24 | 0.14 | 3.13 | 0.38 |
| Services less trade, transportation, and warehousing for intermediate demand | ID631 | 0.21 | 0.13 | 2.82 | 0.42 |
| Services less trade, transportation, and warehousing for manufacturing industries | ID6311 | 0.17 | 0.14 | 1.68 | 0.56 |
| Services less trade, transportation, and warehousing for nonmanufacturing industries | ID6312 | 0.22 | 0.13 | 2.86 | 0.43 |
| Transportation and warehousing services for intermediate demand | ID632 | 0.23 | 0.11 | 4.10 | 0.32 |
| Transportation of passengers for intermediate demand | ID6321 | 2.06 | 0.61 | 3.35 | 0.92 |
| Transportation of passengers for manufacturing industries | ID63211 | 2.11 | 0.62 | 3.39 | 0.94 |
| Transportation of passengers for nonmanufacturing industries | ID63212 | 2.05 | 0.60 | 3.33 | 0.91 |
| Transportation and warehousing of goods for intermediate demand | ID6322 | 0.28 | 0.10 | 4.07 | 0.33 |
| Transportation of goods for manufacturing industries | ID63221 | 0.45 | 0.14 | 5.56 | 0.44 |
| Transportation of goods for nonmanufacturing industries | ID63222 | 0.22 | 0.10 | 3.91 | 0.33 |
| Trade services for intermediate demand | ID633 | 0.52 | 0.56 | 4.16 | 1.34 |
| Trade services for manufacturing industries | ID6331 | 0.56 | 0.65 | 4.83 | 1.58 |
| Trade services for nonmanufacturing industries | ID6332 | 0.47 | 0.54 | 3.69 | 1.30 |
| Construction for intermediate demand | ID64 | 0.18 | 0.15 | 1.64 | 0.55 |
| Processed materials less foods and feeds | ID69111 | 0.72 | 0.12 | 5.80 | 0.35 |
| Processed foods and feeds | ID69112 | 0.69 | 0.25 | 0.80 | 0.57 |
| Processed energy goods | ID69113 | 1.71 | 0.37 | 11.39 | 1.25 |
| Processed materials less foods and energy | ID69115 | 0.39 | 0.11 | 4.31 | 0.34 |
| Intermediate distributive services | ID69116 | 0.41 | 0.35 | 4.03 | 0.82 |
| Processed goods plus intermediate distributive services | ID69117 | 0.67 | 0.13 | 4.97 | 0.34 |
| Processed materials less energy | ID69118 | 0.35 | 0.11 | 3.99 | 0.30 |
| Unprocessed materials less agricultural products | ID69211 | 3.18 | 0.54 | 9.12 | 0.97 |
| Unprocessed energy materials | ID69212 | 4.19 | 0.67 | 12.80 | 1.30 |
| Unprocessed materials less energy | ID69213 | 1.63 | 0.18 | 2.75 | 0.40 |
| Nonfood materials ex. fuel for mfg, ex. selected items | ID69215 | 3.31 | 0.46 | 18.00 | 0.89 |
| Unprocessed nonfood materials less energy | ID69216 | 1.07 | 0.51 | 5.96 | 1.11 |
| Intermediate Demand by Production Flow | | | | | |
| Stage 4 intermediate demand | ID54 | 0.34 | 0.10 | 3.59 | 0.25 |
| Inputs to stage 4 goods producers | ID541 | 0.40 | 0.14 | 3.20 | 0.38 |
| Inputs to stage 4 goods producers, goods | ID5411 | 0.25 | 0.07 | 3.05 | 0.23 |
| Inputs to stage 4 goods producers, foods | ID54111 | 0.90 | 0.16 | 1.79 | 0.33 |
| Inputs to stage 4 goods producers, energy | ID54112 | 1.37 | 0.56 | 6.24 | 1.33 |
| Inputs to stage 4 goods producers, goods excluding foods and energy | ID54113 | 0.27 | 0.06 | 3.13 | 0.24 |
| Inputs to stage 4 goods producers, services | ID5412 | 0.42 | 0.51 | 3.40 | 1.49 |
| Inputs to stage 4 goods producers, services less trade, transportation, and warehousing | ID54121 | 0.19 | 0.17 | 0.97 | 0.89 |
| Inputs to stage 4 goods producers, transportation and warehousing services | ID54122 | 0.63 | 0.27 | 5.59 | 0.58 |
| Inputs to stage 4 goods producers, transportation of passengers | ID541221 | 2.11 | 0.62 | 3.39 | 0.94 |

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| Inputs to stage 4 goods producers, transportation and warehousing of goods | ID541222 | 0.53 | 0.18 | 6.89 | 0.68 |
| Inputs to stage 4 goods producers, trade services | ID54123 | 0.53 | 0.64 | 3.78 | 1.86 |
| Inputs to stage 4 services producers | ID542 | 0.21 | 0.11 | 2.73 | 0.33 |
| Inputs to stage 4 services producers, goods | ID5421 | 0.39 | 0.12 | 2.54 | 0.20 |
| Inputs to stage 4 services producers, foods | ID54211 | 0.51 | 0.34 | 1.21 | 0.67 |
| Inputs to stage 4 services producers, energy | ID54212 | 1.07 | 0.40 | 4.99 | 0.59 |
| Inputs to stage 4 services producers, goods excluding foods and energy | ID54213 | 0.18 | 0.06 | 3.15 | 0.20 |
| Inputs to stage 4 services producers, services | ID5422 | 0.18 | 0.15 | 2.88 | 0.45 |
| Inputs to stage 4 services producers, services less trade, transportation, and warehousing | ID54221 | 0.17 | 0.15 | 2.73 | 0.52 |
| Inputs to stage 4 services producers, transportation and warehousing services | ID54222 | 0.37 | 0.17 | 4.16 | 0.39 |
| Inputs to stage 4 services producers, transportation of passengers | ID542221 | 2.11 | 0.62 | 3.39 | 0.94 |
| Inputs to stage 4 services producers, transportation and warehousing of goods | ID542222 | 0.30 | 0.17 | 4.14 | 0.41 |
| Inputs to stage 4 services producers, trade services | ID54223 | 0.28 | 0.56 | 2.70 | 1.48 |
| Inputs to stage 4 services producers, construction | ID5423 | 0.18 | 0.15 | 1.64 | 0.55 |
| Inputs to stage 4 construction producers | ID543 | 0.71 | 0.19 | 6.35 | 0.41 |
| Inputs to stage 4 construction producers, goods | ID5431 | 0.81 | 0.19 | 7.16 | 0.47 |
| Inputs to stage 4 construction producers, energy | ID54312 | 2.76 | 1.01 | 28.12 | 2.99 |
| Inputs to stage 4 construction producers, goods excluding foods and energy | ID54313 | 0.26 | 0.14 | 4.98 | 0.38 |
| Inputs to stage 4 construction producers, services | ID5432 | 0.52 | 0.37 | 4.44 | 0.79 |
| Inputs to stage 4 construction producers, services less trade, transportation, and warehousing | ID54321 | 0.12 | 0.15 | 2.90 | 0.51 |
| Inputs to stage 4 construction producers, transportation and warehousing services | ID54322 | 0.56 | 0.17 | 6.82 | 0.64 |
| Inputs to stage 4 construction producers, transportation of passengers | ID543221 | 1.82 | 0.54 | 2.90 | 0.81 |
| Inputs to stage 4 construction producers, transportation and warehousing of goods | ID543222 | 0.55 | 0.17 | 6.85 | 0.67 |
| Inputs to stage 4 construction producers, trade services | ID54323 | 0.80 | 0.68 | 5.01 | 1.43 |
| Stage 3 intermediate demand | ID53 | 0.84 | 0.12 | 4.49 | 0.29 |
| Inputs to stage 3 goods producers | ID531 | 0.91 | 0.16 | 3.46 | 0.42 |
| Inputs to stage 3 goods producers, goods | ID5311 | 1.00 | 0.15 | 3.35 | 0.41 |
| Inputs to stage 3 goods producers, foods | ID53111 | 2.02 | 0.03 | 3.50 | 0.07 |
| Inputs to stage 3 goods producers, energy | ID53112 | 1.51 | 0.57 | 15.44 | 2.77 |
| Inputs to stage 3 goods producers, goods excluding foods and energy | ID53113 | 0.65 | 0.22 | 5.27 | 0.61 |
| Inputs to stage 3 goods producers, services | ID5312 | 0.54 | 0.55 | 4.81 | 1.28 |
| Inputs to stage 3 goods producers, services less trade, transportation, and warehousing | ID53121 | 0.21 | 0.19 | 2.08 | 0.55 |
| Inputs to stage 3 goods producers, transportation and warehousing services | ID53122 | 0.41 | 0.13 | 5.87 | 0.47 |
| Inputs to stage 3 goods producers, transportation of passengers | ID531221 | 1.73 | 0.51 | 2.72 | 0.77 |
| Inputs to stage 3 goods producers, transportation and warehousing of goods | ID531222 | 0.35 | 0.13 | 5.96 | 0.49 |
| Inputs to stage 3 goods producers, trade services | ID53123 | 0.58 | 0.67 | 5.10 | 1.57 |
| Inputs to stage 3 goods producers, construction | ID5313 | 0.18 | 0.15 | 1.64 | 0.55 |
| Inputs to stage 3 services producers | ID532 | 0.62 | 0.16 | 4.81 | 0.32 |
| Inputs to stage 3 services producers, goods | ID5321 | 1.94 | 0.49 | 11.94 | 0.89 |
| Inputs to stage 3 services producers, foods | ID53211 | 0.77 | 0.25 | 1.39 | 0.61 |
| Inputs to stage 3 services producers, energy | ID53212 | 2.68 | 0.70 | 16.79 | 1.35 |
| Inputs to stage 3 services producers, goods excluding foods and energy | ID53213 | 0.14 | 0.10 | 1.87 | 0.37 |
| Inputs to stage 3 services producers, services | ID5322 | 0.17 | 0.12 | 2.79 | 0.38 |
| Inputs to stage 3 services producers, services less trade, transportation, and warehousing | ID53221 | 0.21 | 0.14 | 2.93 | 0.47 |
| Inputs to stage 3 services producers, transportation and warehousing services | ID53222 | 0.18 | 0.07 | 3.38 | 0.42 |
| Inputs to stage 3 services producers, transportation of passengers | ID532221 | 1.85 | 0.55 | 2.96 | 0.82 |
| Inputs to stage 3 services producers, transportation and warehousing of goods | ID532222 | 0.19 | 0.07 | 3.39 | 0.42 |
| Inputs to stage 3 services producers, trade services | ID53223 | 0.72 | 0.92 | 1.48 | 2.29 |
| Inputs to stage 3 services producers, construction | ID5323 | 0.18 | 0.15 | 1.64 | 0.55 |
| Inputs to stage 3 construction producers | ID533 | 1.69 | 0.75 | 16.15 | 1.76 |
| Inputs to stage 3 construction producers, goods | ID5331 | 2.04 | 0.92 | 19.83 | 2.27 |
| Inputs to stage 3 construction producers, energy | ID53312 | 3.11 | 1.48 | 36.64 | 3.97 |
| Inputs to stage 3 construction producers, goods excluding foods and energy | ID53313 | 0.43 | 0.12 | 5.09 | 0.40 |
| Inputs to stage 3 construction producers, services | ID5332 | 0.65 | 0.57 | 4.61 | 1.21 |
| Inputs to stage 3 construction producers, services less trade, transportation, and warehousing | ID53321 | 0.17 | 0.36 | 1.36 | 1.23 |
| Inputs to stage 3 construction producers, transportation and warehousing services | ID53322 | 2.11 | 0.62 | 3.39 | 0.94 |
| Inputs to stage 3 construction producers, transportation of passengers | ID533221 | 2.11 | 0.62 | 3.39 | 0.94 |
| Inputs to stage 3 construction producers, trade services | ID53323 | 0.70 | 0.63 | 4.89 | 1.34 |

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| Stage 2 intermediate demand | ID52 | 0.84 | 0.16 | 5.23 | 0.30 |
| Inputs to stage 2 goods producers | ID521 | 1.62 | 0.27 | 7.99 | 0.48 |
| Inputs to stage 2 goods producers, goods | ID5211 | 1.80 | 0.32 | 8.80 | 0.55 |
| Inputs to stage 2 goods producers, foods | ID52111 | 1.89 | 0.16 | 1.88 | 0.36 |
| Inputs to stage 2 goods producers, energy | ID52112 | 4.30 | 0.68 | 16.02 | 1.21 |
| Inputs to stage 2 goods producers, goods excluding foods and energy | ID52113 | 0.48 | 0.18 | 6.11 | 0.65 |
| Inputs to stage 2 goods producers, services | ID5212 | 0.31 | 0.10 | 3.40 | 0.27 |
| Inputs to stage 2 goods producers, services less trade, transportation, and warehousing | ID52121 | 0.13 | 0.13 | 2.28 | 0.48 |
| Inputs to stage 2 goods producers, transportation and warehousing services | ID52122 | 0.37 | 0.11 | 4.06 | 0.37 |
| Inputs to stage 2 goods producers, transportation of passengers | ID521221 | 1.97 | 0.58 | 3.18 | 0.87 |
| Inputs to stage 2 goods producers, transportation and warehousing of goods | ID521222 | 0.35 | 0.11 | 4.04 | 0.39 |
| Inputs to stage 2 goods producers, trade services | ID52123 | 0.76 | 0.79 | 4.29 | 1.48 |
| Inputs to stage 2 goods producers, construction | ID5213 | 0.18 | 0.15 | 1.64 | 0.55 |
| Inputs to stage 2 services producers | ID522 | 0.18 | 0.11 | 2.92 | 0.37 |
| Inputs to stage 2 services producers, goods | ID5221 | 0.41 | 0.10 | 3.75 | 0.23 |
| Inputs to stage 2 services producers, foods | ID52211 | 3.09 | 0.06 | 6.96 | 0.24 |
| Inputs to stage 2 services producers, energy | ID52212 | 2.16 | 0.84 | 18.05 | 2.22 |
| Inputs to stage 2 services producers, goods excluding foods and energy | ID52213 | 0.20 | 0.07 | 2.65 | 0.17 |
| Inputs to stage 2 services producers, services | ID5222 | 0.16 | 0.12 | 2.86 | 0.43 |
| Inputs to stage 2 services producers, services less trade, transportation, and warehousing | ID52221 | 0.16 | 0.14 | 2.65 | 0.51 |
| Inputs to stage 2 services producers, transportation and warehousing services | ID52222 | 0.36 | 0.12 | 3.82 | 0.31 |
| Inputs to stage 2 services producers, transportation of passengers | ID522221 | 2.07 | 0.61 | 3.36 | 0.92 |
| Inputs to stage 2 services producers, transportation and warehousing of goods | ID522222 | 0.18 | 0.09 | 3.79 | 0.31 |
| Inputs to stage 2 services producers, trade services | ID52223 | 0.75 | 0.87 | 5.89 | 1.58 |
| Inputs to stage 2 services producers, construction | ID5223 | 0.18 | 0.15 | 1.64 | 0.55 |
| Stage 1 intermediate demand | ID51 | 0.67 | 0.19 | 5.68 | 0.41 |
| Inputs to stage 1 goods producers | ID511 | 0.93 | 0.28 | 6.61 | 0.68 |
| Inputs to stage 1 goods producers, goods | ID5111 | 0.73 | 0.30 | 7.43 | 0.80 |
| Inputs to stage 1 goods producers, foods | ID51111 | 1.91 | 0.21 | 4.02 | 0.44 |
| Inputs to stage 1 goods producers, energy | ID51112 | 2.02 | 0.40 | 14.70 | 2.17 |
| Inputs to stage 1 goods producers, goods excluding foods and energy | ID51113 | 0.45 | 0.37 | 6.02 | 1.01 |
| Inputs to stage 1 goods producers, services | ID5112 | 0.73 | 0.74 | 5.45 | 1.46 |
| Inputs to stage 1 goods producers, services less trade, transportation, and warehousing | ID51121 | 0.32 | 0.23 | 1.33 | 1.14 |
| Inputs to stage 1 goods producers, transportation and warehousing services | ID51122 | 0.62 | 0.22 | 5.65 | 0.68 |
| Inputs to stage 1 goods producers, transportation of passengers | ID511221 | 2.11 | 0.62 | 3.39 | 0.94 |
| Inputs to stage 1 goods producers, transportation and warehousing of goods | ID511222 | 0.40 | 0.20 | 6.30 | 0.78 |
| Inputs to stage 1 goods producers, trade services | ID51123 | 1.03 | 1.02 | 6.55 | 2.00 |
| Inputs to stage 1 goods producers, construction | ID5113 | 0.18 | 0.15 | 1.64 | 0.55 |
| Inputs to stage 1 services producers | ID512 | 0.29 | 0.20 | 4.88 | 0.39 |
| Inputs to stage 1 services producers, goods | ID5121 | 0.97 | 0.45 | 9.32 | 0.89 |
| Inputs to stage 1 services producers, foods | ID51211 | 2.63 | 1.86 | 30.39 | 6.96 |
| Inputs to stage 1 services producers, energy | ID51212 | 1.59 | 0.85 | 16.91 | 2.03 |
| Inputs to stage 1 services producers, goods excluding foods and energy | ID51213 | 0.27 | 0.09 | 3.01 | 0.29 |
| Inputs to stage 1 services producers, services | ID5122 | 0.26 | 0.19 | 2.91 | 0.47 |
| Inputs to stage 1 services producers, services less trade, transportation, and warehousing | ID51221 | 0.27 | 0.19 | 3.01 | 0.49 |
| Inputs to stage 1 services producers, transportation and warehousing services | ID51222 | 1.21 | 0.39 | 3.03 | 0.69 |
| Inputs to stage 1 services producers, transportation of passengers | ID512221 | 2.11 | 0.62 | 3.39 | 0.94 |
| Inputs to stage 1 services producers, transportation and warehousing of goods | ID512222 | 0.33 | 0.25 | 2.98 | 0.76 |
| Inputs to stage 1 services producers, trade services | ID51223 | 0.55 | 0.77 | 1.99 | 1.83 |
| Inputs to stage 1 services producers, construction | ID5123 | 0.18 | 0.15 | 1.64 | 0.55 |
| Inputs to stage 1 construction producers | ID513 | 0.73 | 0.19 | 5.89 | 0.45 |
| Inputs to stage 1 construction producers, goods | ID5131 | 0.75 | 0.17 | 6.79 | 0.43 |
| Inputs to stage 1 construction producers, energy | ID51312 | 2.45 | 0.68 | 23.02 | 3.15 |
| Inputs to stage 1 construction producers, goods excluding foods and energy | ID51313 | 0.31 | 0.13 | 5.07 | 0.38 |
| Inputs to stage 1 construction producers, services | ID5132 | 0.66 | 0.47 | 4.29 | 1.02 |
| Inputs to stage 1 construction producers, services less trade, transportation, and warehousing | ID51321 | 0.10 | 0.17 | 2.01 | 0.51 |
| Inputs to stage 1 construction producers, transportation and warehousing services | ID51322 | 0.69 | 0.27 | 3.42 | 1.34 |
| Inputs to stage 1 construction producers, transportation of passengers | ID513221 | 2.11 | 0.62 | 3.39 | 0.94 |
| Inputs to stage 1 construction producers, transportation and warehousing of goods | ID513222 | 0.28 | 0.29 | 3.82 | 1.73 |
| Inputs to stage 1 construction producers, trade services | ID51323 | 0.91 | 0.64 | 5.26 | 1.37 |

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, 2018

| 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 | 0.48 | 0.08 | 3.95 | 0.22 |
| Total services inputs to stage 4 intermediate demand | ID59412 | 0.20 | 0.17 | 3.16 | 0.51 |
| Total construction inputs to stage 4 intermediate demand | ID59413 | 0.18 | 0.15 | 1.64 | 0.55 |
| Total foods inputs to stage 4 intermediate demand | ID59414 | 0.63 | 0.23 | 1.29 | 0.47 |
| Total energy goods inputs to stage 4 intermediate demand | ID59415 | 1.04 | 0.48 | 11.83 | 1.22 |
| Total goods less foods and energy inputs to stage 4 intermediate demand | ID59416 | 0.24 | 0.06 | 3.72 | 0.20 |
| Total goods inputs to stage 3 intermediate demand | ID59311 | 1.20 | 0.16 | 5.87 | 0.40 |
| Total services inputs to stage 3 intermediate demand | ID59312 | 0.20 | 0.17 | 3.15 | 0.45 |
| Total construction inputs to stage 3 intermediate demand | ID59313 | 0.18 | 0.15 | 1.64 | 0.55 |
| Total foods inputs to stage 3 intermediate demand | ID59314 | 2.02 | 0.03 | 3.50 | 0.07 |
| Total energy goods inputs to stage 3 intermediate demand | ID59315 | 2.26 | 0.56 | 17.76 | 1.77 |
| Total goods less foods and energy inputs to stage 3 intermediate demand | ID59316 | 0.58 | 0.19 | 4.85 | 0.54 |
| Total goods inputs to stage 2 intermediate demand | ID59211 | 1.64 | 0.29 | 8.16 | 0.50 |
| Total services inputs to stage 2 intermediate demand | ID59212 | 0.15 | 0.11 | 2.88 | 0.39 |
| Total construction inputs to stage 2 intermediate demand | ID59213 | 0.18 | 0.15 | 1.64 | 0.55 |
| Total foods inputs to stage 2 intermediate demand | ID59214 | 1.90 | 0.16 | 1.76 | 0.36 |
| Total energy goods inputs to stage 2 intermediate demand | ID59215 | 4.23 | 0.67 | 16.14 | 1.19 |
| Total goods less foods and energy inputs to stage 2 intermediate demand | ID59216 | 0.40 | 0.15 | 5.42 | 0.53 |
| Total goods inputs to stage 1 intermediate demand | ID59111 | 0.79 | 0.26 | 7.73 | 0.66 |
| Total services inputs to stage 1 intermediate demand | ID59112 | 0.38 | 0.26 | 3.48 | 0.55 |
| Total construction inputs to stage 1 intermediate demand | ID59117 | 0.18 | 0.15 | 1.64 | 0.55 |
| Total foods inputs to stage 1 intermediate demand | ID59114 | 1.67 | 0.25 | 4.73 | 0.58 |
| Total energy goods inputs to stage 1 intermediate demand | ID59115 | 2.07 | 0.62 | 15.70 | 1.75 |
| Total goods less foods and energy inputs to stage 1 intermediate demand | ID59116 | 0.40 | 0.27 | 5.24 | 0.73 |

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.