

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004

Industry	NAICS Code ²	Factor
Private industry		0.000004659
Goods producing		0.000011800
Natural resources and mining		0.000088140
Agriculture, forestry, fishing and hunting		0.000329740
Crop production	111	0.000920986
Greenhouse and nursery production	1114	0.002287796
Animal production	112	0.001601829
Cattle ranching and farming	1121	0.005203349
Beef cattle ranching, farming, and feedlots	11211	0.009854909
Dairy cattle and milk production	11212	0.010560279
Hog and pig farming	1122	0.006303419
Poultry and egg production	1123	0.004889123
Other animal production	1129	0.015369947
Agriculture and forestry support activities	115	0.000953931
Support activities for crop production	1151	0.001170909
Support activities for crop production	11511	0.001170909
Other postharvest crop activities	115114	0.002366864
Farm labor contractors and crew leaders	115115	0.004404008
Support activities for animal production	1152	0.009609250
Support activities for forestry	1153	0.010920852
Mining ³		0.000073749
Oil and gas extraction ³	211	0.008860525
Oil and gas extraction ³	2111	0.008860525
Oil and gas extraction ³	21111	0.008860525
Crude petroleum and natural gas extraction ³	211111	0.009347740
Mining, except oil and gas ³	212	0.00000538
Coal mining ³	2121	0.000000000
Coal mining ³	21211	0.000000000
Bituminous coal and lignite surface mining ³	212111	0.000004605
Bituminous coal underground mining ³	212112	0.000000000
Anthracite mining ³	212113	0.000641026
Metal ore mining ³	2122	0.000000000
Iron ore mining ³	21221	0.000000000
Gold ore and silver ore mining ³	21222	0.000000000
Gold ore mining ³	212221	0.000000000
Copper, nickel, lead, and zinc mining ³	21223	0.000343053
Lead ore and zinc ore mining ³	212231	0.001149425
Copper ore and nickel ore mining ³	212234	0.000487013
Other metal ore mining ³	21229	0.000000000
All other metal ore mining ³	212299	0.000000000
Nonmetallic mineral mining and quarrying ³	2123	0.000002480
Stone mining and quarrying ³	21231	0.000005689
Dimension stone mining and quarrying ³	212311	0.000116144
Crushed and broken limestone mining ³	212312	0.000032520
Crushed and broken granite mining ³	212313	0.000000000
Other crushed and broken stone mining ³	212319	0.000000000
Sand, gravel, clay, and refractory mining ³	21232	0.000017414
Construction sand and gravel mining ³	212321	0.000030832
Kaolin and ball clay mining ³	212324	0.001515152
Clay, ceramic, and refractory minerals mining ³	212325	0.001190476
Other nonmetallic mineral mining ³	21239	0.000000000
Potash, soda, and borate mineral mining ³	212391	0.000000000
Phosphate rock mining ³	212392	0.005555556
Other chemical and fertilizer mineral mining ³	212393	0.000000000
All other nonmetallic mineral mining ³	212399	0.001149425
Support activities for mining ³	213	0.002662711
Support activities for mining ³	2131	0.002662711
Support activities for mining ³	21311	0.002662711
Drilling oil and gas wells ³	213111	0.004556777
Support activities for oil and gas operations ³	213112	0.006397754
Construction		0.000062941
Construction		0.000062941
Construction of buildings	236	0.000348718

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Residential building construction	2361	0.000724616
Nonresidential building construction	2362	0.000668256
Heavy and civil engineering construction	237	0.000356987
Utility system construction	2371	0.000837890
Land subdivision	2372	0.006126482
Highway, street, and bridge construction	2373	0.000769464
Specialty trade contractors	238	0.000097416
Building foundation and exterior contractors	2381	0.000282247
Poured concrete structure contractors	23811	0.001517663
Framing contractors	23813	0.001479096
Masonry contractors	23814	0.001441534
Glass and glazing contractors	23815	0.008074430
Roofing contractors	23816	0.001145494
Siding contractors	23817	0.012106227
Other building exterior contractors	23819	0.009961240
Building equipment contractors	2382	0.000343675
Electrical contractors	23821	0.000786761
Plumbing and HVAC contractors	23822	0.000707177
Other building equipment contractors	23829	0.004319390
Building finishing contractors	2383	0.000450739
Drywall and insulation contractors	23831	0.000986770
Painting and wall covering contractors	23832	0.002727014
Flooring contractors	23833	0.005001518
Tile and terrazzo contractors	23834	0.008309708
Finish carpentry contractors	23835	0.003076115
Other building finishing contractors	23839	0.004911995
Other specialty trade contractors	2389	0.000603902
Site preparation contractors	23891	0.001045195
All other specialty trade contractors	23899	0.001427517
Manufacturing		0.000016575
Manufacturing		0.000016575
Food manufacturing	311	0.000096721
Animal food manufacturing	3111	0.005913043
Animal food manufacturing	31111	0.005913043
Dog and cat food manufacturing	311111	0.013669951
Other animal food manufacturing	311119	0.010416667
Grain and oilseed milling	3112	0.003779100
Flour milling and malt manufacturing	31121	0.018394309
Flour milling	311211	0.026902174
Starch and vegetable oil manufacturing	31122	0.012026515
Soybean processing	311222	0.030158730
Breakfast cereal manufacturing	31123	0.005869565
Sugar and confectionery product manufacturing	3113	0.001722007
Sugar manufacturing	31131	0.004188034
Sugarcane mills	311311	0.007816277
Cane sugar refining	311312	0.016911765
Confectionery manufacturing from cacao beans	31132	0.011538462
Confectionery mfg. from purchased chocolate	31133	0.007342657
Nonchocolate confectionery manufacturing	31134	0.007461966
Fruit and vegetable preserving and specialty	3114	0.000990707
Frozen food manufacturing	31141	0.002127711
Frozen fruit and vegetable manufacturing	311411	0.004544737
Frozen specialty food manufacturing	311412	0.003856630
Fruit and vegetable canning and drying	31142	0.001828243
Fruit and vegetable canning	311421	0.002194940
Dried and dehydrated food manufacturing	311423	0.025541126
Dairy product manufacturing	3115	0.000956046
Dairy product, except frozen, manufacturing	31151	0.001042343
Fluid milk manufacturing	311511	0.002021308
Cheese manufacturing	311513	0.003263403
Dry, condensed, and evaporated dairy products	311514	0.006167109
Ice cream and frozen dessert manufacturing	31152	0.011584507
Animal slaughtering and processing	3116	0.000178936
Animal slaughtering and processing	31161	0.000178936
Animal, except poultry, slaughtering	311611	0.000372323
Meat processed from carcasses	311612	0.000972011
Poultry processing	311615	0.000446355
Seafood product preparation and packaging	3117	0.002298102

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Seafood product preparation and packaging	31171	0.002298102
Fresh and frozen seafood processing	311712	0.002986246
Bakeries and tortilla manufacturing	3118	0.000681807
Bread and bakery product manufacturing	31181	0.000978535
Retail bakeries	311811	0.020852359
Commercial bakeries	311812	0.001070347
Frozen cakes and other pastries manufacturing	311813	0.011685995
Cookie, cracker, and pasta manufacturing	31182	0.002407759
Cookie and cracker manufacturing	311821	0.003037767
Mixes and dough made from purchased flour	311822	0.017927171
Tortilla manufacturing	31183	0.019155844
Other food manufacturing	3119	0.001608411
Snack food manufacturing	31191	0.004378698
Roasted nuts and peanut butter manufacturing	311911	0.011293860
Other snack food manufacturing	311919	0.006887755
Coffee and tea manufacturing	31192	0.021078431
Flavoring syrup and concentrate manufacturing	31193	0.035964912
Seasoning and dressing manufacturing	31194	0.010422602
Mayonnaise, dressing, and sauce manufacturing	311941	0.013377724
Spice and extract manufacturing	311942	0.041454545
All other food manufacturing	31199	0.004230833
Perishable prepared food manufacturing	311991	0.007752101
All other miscellaneous food manufacturing	311999	0.008925204
Beverage and tobacco product manufacturing	312	0.000637115
Beverage manufacturing	3121	0.000761148
Soft drink and ice manufacturing	31211	0.000973207
Soft drink manufacturing	312111	0.001023976
Bottled water manufacturing	312112	0.013287934
Breweries	31212	0.006934594
Wineries	31213	0.009600122
Tobacco manufacturing	3122	0.003149718
Tobacco product manufacturing	31222	0.003117716
Cigarette manufacturing	312221	0.004863388
Textile mills	313	0.001777554
Yarn spinning mills	31311	0.016977226
Fabric mills	3132	0.002200360
Broadwoven fabric mills	31321	0.002329114
Narrow fabric mills and schiffli embroidery	31322	0.026666667
Knit fabric mills	31324	0.017224880
Textile and fabric finishing mills	3133	0.009329710
Textile and fabric finishing mills	31331	0.015702918
Broadwoven fabric finishing mills	313311	0.021758665
Textile product mills	314	0.002185455
Textile furnishings mills	3141	0.004533495
Carpet and rug mills	31411	0.009322602
Curtain and linen mills	31412	0.008489011
Curtain and drapery mills	314121	0.014525810
Other household textile product mills	314129	0.019461698
Other textile product mills	3149	0.004095794
Textile bag and canvas mills	31491	0.014880952
Canvas and related product mills	314912	0.020094563
All other textile product mills	31499	0.005402909
All other miscellaneous textile product mills	314999	0.007398307
Apparel manufacturing	315	0.001511061
Apparel knitting mills	3151	0.008660934
Hosiery and sock mills	31511	0.018560606
Other hosiery and sock mills	315119	0.023371648
Other apparel knitting mills	31519	0.015034965
Cut and sew apparel manufacturing	3152	0.002311368
Men's cut and sew apparel contractors	315211	0.014685315
Men's cut and sew apparel manufacturing	31522	0.003961161
Men's work clothing manufacturing	315225	0.012564103
Women's cut and sew apparel manufacturing	31523	0.011074489
Other women's outerwear manufacturing	315239	0.016977226
Accessories and other apparel manufacturing	3159	0.008402101
Accessories and other apparel manufacturing	31599	0.008402101
Men's and boys' neckwear manufacturing	315993	0.061111111
Leather and allied product manufacturing	316	0.003768116
Footwear manufacturing	3162	0.005353602
Footwear manufacturing	31621	0.005353602

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Other leather product manufacturing	3169	0.021095571
Other leather product manufacturing	31699	0.021095571
Wood product manufacturing	321	0.000292013
Sawmills and wood preservation	3211	0.001680672
Sawmills and wood preservation	32111	0.001680672
Sawmills	321113	0.001785302
Wood preservation	321114	0.028024194
Plywood and engineered wood product mfg.	3212	0.001496865
Plywood and engineered wood product mfg.	32121	0.001496865
Hardwood veneer and plywood manufacturing	321211	0.008416076
Softwood veneer and plywood manufacturing	321212	0.008476764
Truss manufacturing	321214	0.003236398
Reconstituted wood product manufacturing	321219	0.009513514
Other wood product manufacturing	3219	0.000459436
Millwork	32191	0.000933848
Wood window and door manufacturing	321911	0.001591163
Cut stock, resawing lumber, and planing	321912	0.007325151
Other millwork, including flooring	321918	0.002984118
Wood container and pallet manufacturing	32192	0.004418247
All other wood product manufacturing	32199	0.001101585
Manufactured home, mobile home, manufacturing	321991	0.001886447
Prefabricated wood building manufacturing	321992	0.003563348
Miscellaneous wood product manufacturing	321999	0.006257867
Paper manufacturing	322	0.000436592
Pulp, paper, and paperboard mills	3221	0.000977545
Paper mills	32212	0.001290922
Paper, except newsprint, mills	322121	0.001488925
Paperboard mills	32213	0.005925926
Converted paper product manufacturing	3222	0.000724589
Paperboard container manufacturing	32221	0.002074886
Corrugated and solid fiber box manufacturing	322211	0.004370629
Folding paperboard box manufacturing	322212	0.008375350
Fiber can, tube, and drum manufacturing	322214	0.045964912
Nonfolding sanitary food container mfg.	322215	0.010609858
Paper bag and coated and treated paper mfg.	32222	0.002767808
Coated and laminated packaging materials mfg.	322221	0.010300752
Coated and laminated paper manufacturing	322222	0.008031272
Uncoated paper and multiwall bag mfg.	322224	0.010117810
Stationery product manufacturing	32223	0.004687500
Die-cut paper office supplies manufacturing	322231	0.010285714
Envelope manufacturing	322232	0.016704460
Other converted paper product manufacturing	32229	0.002799659
Sanitary paper product manufacturing	322291	0.002272422
All other converted paper product mfg.	322299	0.020755814
Printing and related support activities	323	0.000537912
Printing and related support activities	3231	0.000537912
Printing	32310	0.000557669
Commercial lithographic printing	323110	0.001083771
Commercial gravure printing	323111	0.011327561
Commercial flexographic printing	323112	0.011794872
Commercial screen printing	323113	0.006332139
Quick printing	323114	0.028547297
Digital printing	323115	0.026623377
Books printing	323117	0.003376990
Blankbook and looseleaf binder manufacturing	323118	0.039311594
Other commercial printing	323119	0.008385900
Support activities for printing	32312	0.014310109
Tradebinding and related work	323121	0.025714286
Petroleum and coal products manufacturing	324	0.003463560
Petroleum and coal products manufacturing	3241	0.003463560
Asphalt paving and roofing materials mfg.	32412	0.011645483
Asphalt paving mixture and block mfg.	324121	0.017460317
Other petroleum and coal products mfg.	32419	0.008242754
All other petroleum and coal products mfg.	324199	0.005357143
Chemical manufacturing	325	0.000378696
Basic chemical manufacturing	3251	0.003189210
Petrochemical manufacturing	32511	0.015476190
Synthetic dye and pigment manufacturing	32513	0.026071429
Other basic inorganic chemical manufacturing	32518	0.009567901
All other basic inorganic chemical mfg.	325188	0.011367754

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Other basic organic chemical manufacturing	32519	0.008735955
All other basic organic chemical mfg.	325199	0.011255411
Resin, rubber, and artificial fibers mfg.	3252	0.002277542
Resin and synthetic rubber manufacturing	32521	0.005174129
Plastics material and resin manufacturing	325211	0.007131600
Synthetic rubber manufacturing	325212	0.018809524
Artificial fibers and filaments manufacturing	32522	0.003882353
Cellulosic organic fiber manufacturing	325221	0.003896104
Noncellulosic organic fiber manufacturing	325222	0.006370071
Agricultural chemical manufacturing	3253	0.008464385
Fertilizer manufacturing	32531	0.010751174
Pesticide and other ag. chemical mfg.	32532	0.037228261
Pharmaceutical and medicine manufacturing	3254	0.000886361
Pharmaceutical and medicine manufacturing	32541	0.000886361
Medicinal and botanical manufacturing	325411	0.007627688
Pharmaceutical preparation manufacturing	325412	0.001175407
Other biological product manufacturing	325414	0.007222222
Paint, coating, and adhesive manufacturing	3255	0.011859193
Paint and coating manufacturing	32551	0.025027027
Soap, cleaning compound, and toiletry mfg.	3256	0.002565359
Soap and cleaning compound manufacturing	32561	0.007575409
Soap and other detergent manufacturing	325611	0.009726776
Polish and other sanitation good mfg.	325612	0.026704545
Toilet preparation manufacturing	32562	0.003720294
Other chemical product and preparation mfg.	3259	0.003744674
All other chemical preparation manufacturing	32599	0.004411849
Photographic film and chemical manufacturing	325992	0.014631336
Other miscellaneous chemical product mfg.	325998	0.019358178
Plastics and rubber products manufacturing	326	0.000326534
Plastics product manufacturing	3261	0.000562175
Plastics packaging materials, film and sheet	32611	0.003238428
Plastics bag manufacturing	326111	0.007395994
Nonpackaging plastics film and sheet mfg.	326113	0.005574581
Plastics pipe, fittings, and profile shapes	32612	0.005278804
Unlaminated plastics profile shape mfg.	326121	0.009341398
Plastics pipe and pipe fitting manufacturing	326122	0.012001174
Polystyrene foam product manufacturing	32614	0.009011164
Urethane and other foam product manufacturing	32615	0.009623052
Plastics bottle manufacturing	32616	0.016448692
Other plastics product manufacturing	32619	0.001081377
Plastics plumbing fixture manufacturing	326191	0.015546464
All other plastics product manufacturing	326199	0.001169377
Rubber product manufacturing	3262	0.000694821
Tire manufacturing	32621	0.000913149
Tire manufacturing, except retreading	326211	0.000860018
Rubber and plastics hose and belting mfg.	32622	0.006000000
All other rubber product manufacturing	326299	0.009801085
Nonmetallic mineral product manufacturing	327	0.000486605
Clay product and refractory manufacturing	3271	0.003050805
Vitreous china and earthenware articles mfg.	327112	0.016599190
Brick and structural clay tile manufacturing	327121	0.016159567
Glass and glass product manufacturing	3272	0.001476218
Glass and glass product manufacturing	32721	0.001476218
Other pressed and blown glass and glassware	327212	0.003666724
Glass container manufacturing	327213	0.010250354
Glass product mfg. made of purchased glass	327215	0.003523472
Cement and concrete product manufacturing	3273	0.001080930
Ready-mix concrete manufacturing	32732	0.001778759
Concrete pipe, brick, and block manufacturing	32733	0.007565485
Concrete block and brick manufacturing	327331	0.012654321
Concrete pipe manufacturing	327332	0.018290855
Other concrete product manufacturing	32739	0.004548436
Lime and gypsum product manufacturing	3274	0.045293466
Gypsum product manufacturing	32742	0.044298246
Other nonmetallic mineral products	3279	0.005525213
All other nonmetallic mineral products mfg.	32799	0.007895652
Cut stone and stone product manufacturing	327991	0.022093023
Mineral wool manufacturing	327993	0.012941176
Primary metal manufacturing	331	0.000288162
Iron and steel mills and ferroalloy mfg.	3311	0.001579639

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Iron and steel mills and ferroalloy mfg.	33111	0.001579639
Iron and steel mills	331111	0.001633713
Steel product mfg. from purchased steel	3312	0.004553943
Iron, steel pipe and tube from purchase steel	33121	0.011143076
Rolling and drawing of purchased steel	33122	0.007592593
Rolled steel shape manufacturing	331221	0.010832313
Alumina and aluminum production	3313	0.001729798
Alumina and aluminum production	33131	0.001729798
Primary aluminum production	331312	0.005098039
Aluminum sheet, plate, and foil manufacturing	331315	0.004444444
Aluminum extruded product manufacturing	331316	0.005914787
Other nonferrous metal production	3314	0.001603212
Rolled, drawn, extruded, and alloyed copper	33142	0.002418401
Copper rolling, drawing, and extruding	331421	0.003568627
Copper wire, except mechanical, drawing	331422	0.008463950
Nonferrous metal, except CU and AL, shaping	33149	0.006396534
Nonferrous metal, except CU and AL, shaping	331491	0.006934594
Foundries	3315	0.000666240
Ferrous metal foundries	33151	0.001320436
Iron foundries	331511	0.001922590
Steel investment foundries	331512	0.010492754
Steel foundries, except investment	331513	0.006896552
Nonferrous metal foundries	33152	0.001342678
Aluminum foundries, except die-casting	331524	0.004982363
Fabricated metal product manufacturing	332	0.000206326
Forging and stamping	3321	0.001640288
Forging and stamping	33211	0.001640288
Iron and steel forging	332111	0.008068783
Metal stamping	332116	0.003228911
Cutlery and flatware, except precious, mfg.	332211	0.010000000
Architectural and structural metals mfg.	3323	0.000831801
Plate work and fabricated structural products	33231	0.001704974
Prefabricated metal buildings and components	332311	0.006837607
Plate work manufacturing	332313	0.006536643
Ornamental and architectural metal products	33232	0.001604433
Metal window and door manufacturing	332321	0.003247276
Sheet metal work manufacturing	332322	0.003943492
Ornamental and architectural metal work mfg.	332323	0.013066202
Boiler, tank, and shipping container mfg.	3324	0.003643021
Power boiler and heat exchanger manufacturing	33241	0.015550239
Metal tank, heavy gauge, manufacturing	33242	0.014045699
Metal can, box, and other container mfg.	33243	0.007200633
Metal can manufacturing	332431	0.018130631
Other metal container manufacturing	332439	0.011944244
Hardware manufacturing	3325	0.005849783
Hardware manufacturing	33251	0.005849783
Spring and wire product manufacturing	3326	0.005523615
Spring and wire product manufacturing	33261	0.005523615
Spring, light gauge, manufacturing	332612	0.032211538
Other fabricated wire product manufacturing	332618	0.006770833
Machine shops and threaded product mfg.	3327	0.001484763
Machine shops	33271	0.002501826
Bolt, nut, screw, rivet, and washer mfg.	332722	0.006122799
Coating, engraving, and heat treating metals	3328	0.002914942
Coating, engraving, and heat treating metals	33281	0.002914942
Metal heat treating	332811	0.017727273
Metal coating and nonprecious engraving	332812	0.009043456
Electroplating, anodizing, and coloring metal	332813	0.005674982
Other fabricated metal product manufacturing	3329	0.000910832
Metal valve manufacturing	33291	0.003094274
Fluid power valve and hose fitting mfg.	332912	0.007534825
Plumbing fixture fitting and trim mfg.	332913	0.021666667
Other metal valve and pipe fitting mfg.	332919	0.011388889
All other fabricated metal product mfg.	33299	0.001287846
Ammunition, except small arms, manufacturing	332993	0.027500000
Fabricated pipe and pipe fitting mfg.	332996	0.011333333
Miscellaneous fabricated metal product mfg.	332999	0.003891879
Machinery manufacturing	333	0.000184852
Ag., construction, and mining machinery mfg.	3331	0.000754459
Agricultural implement manufacturing	33311	0.001796243

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Farm machinery and equipment manufacturing	333111	0.002530469
Lawn and garden equipment manufacturing	333112	0.003009259
Construction machinery manufacturing	33312	0.001746821
Mining and oil and gas field machinery mfg.	33313	0.004889113
Oil and gas field machinery and equipment	333132	0.009484090
Industrial machinery manufacturing	3332	0.002823840
Plastics and rubber industry machinery	33322	0.030000000
Other industrial machinery manufacturing	33329	0.003631436
Paper industry machinery manufacturing	333291	0.011978221
Food product machinery manufacturing	333294	0.021293200
All other industrial machinery manufacturing	333298	0.018333333
Commercial and service industry machinery	3333	0.002349720
Commercial and service industry machinery	33331	0.002349720
Automatic vending machine manufacturing	333311	0.046428571
Office machinery manufacturing	333313	0.023161765
Optical instrument and lens manufacturing	333314	0.007777778
Other commercial and service machinery mfg.	333319	0.005987223
HVAC and commercial refrigeration equipment	3334	0.000958000
HVAC and commercial refrigeration equipment	33341	0.000958000
Air purification equipment manufacturing	333411	0.018055556
Heating equipment, except warm air furnaces	333414	0.009202059
AC, refrigeration, and forced air heating	333415	0.001254826
Metalworking machinery manufacturing	3335	0.001988987
Metalworking machinery manufacturing	33351	0.001988987
Industrial mold manufacturing	333511	0.012920168
Special tool, die, jig, and fixture mfg.	333514	0.004839545
Cutting tool and machine tool accessory mfg.	333515	0.016303822
Turbine and power transmission equipment mfg.	3336	0.001422033
Turbine and power transmission equipment mfg.	33361	0.001422033
Speed changer, drive, and gear manufacturing	333612	0.025115207
Mechanical power transmission equipment mfg.	333613	0.010045837
Other engine equipment manufacturing	333618	0.002259926
Other general purpose machinery manufacturing	3339	0.000810664
Pump and compressor manufacturing	33391	0.003719754
Pump and pumping equipment manufacturing	333911	0.006731260
Air and gas compressor manufacturing	333912	0.009627925
Material handling equipment manufacturing	33392	0.002626167
Conveyor and conveying equipment mfg.	333922	0.012531969
Industrial truck, trailer, and stacker mfg.	333924	0.006590909
All other general purpose machinery mfg.	33399	0.001683745
Power-driven handtool manufacturing	333991	0.009256845
Welding and soldering equipment manufacturing	333992	0.018151596
Packaging machinery manufacturing	333993	0.011344538
Industrial process furnace and oven mfg.	333994	0.031794872
Fluid power cylinder and actuator mfg.	333995	0.023214286
Fluid power pump and motor manufacturing	333996	0.008012422
Miscellaneous general purpose machinery mfg.	333999	0.008387097
Computer and electronic product manufacturing	334	0.000299760
Electronic computer manufacturing	334111	0.002991453
Computer storage device manufacturing	334112	0.013141026
Communications equipment manufacturing	3342	0.003067433
Broadcast and wireless communications equip.	33422	0.004939668
Semiconductor and electronic component mfg.	3344	0.000876174
Semiconductor and electronic component mfg.	33441	0.000876174
Bare printed circuit board manufacturing	334412	0.003356237
Semiconductors and related device mfg.	334413	0.002201464
Electronic coils, transformers, and inductors	334416	0.034736842
Electronic connector manufacturing	334417	0.019844789
Other electronic component manufacturing	334419	0.005564516
Electronic instrument manufacturing	3345	0.000967989
Electronic instrument manufacturing	33450	0.000967989
Search, detection, and navigation instruments	334511	0.002495318
Automatic environmental control manufacturing	334512	0.009972900
Industrial process variable instruments	334513	0.012026862
Analytical laboratory instrument mfg.	334516	0.012307692
Irradiation apparatus manufacturing	334517	0.025454545
Magnetic media manufacturing and reproducing	3346	0.002854369
Magnetic media manufacturing and reproducing	33461	0.002854369
Audio and video media reproduction	334612	0.002882752
Electrical equipment and appliance mfg.	335	0.000437383

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Electric lighting equipment manufacturing	3351	0.003352655
Electric lamp bulb and part manufacturing	33511	0.010577547
Lighting fixture manufacturing	33512	0.004861111
Residential electric lighting fixture mfg.	335121	0.009740260
Nonresidential electric lighting fixture mfg.	335122	0.012354312
Household appliance manufacturing	3352	0.001086957
Small electrical appliance manufacturing	33521	0.010925373
Electric housewares and household fan mfg.	335211	0.016339869
Major appliance manufacturing	33522	0.001051992
Household refrigerator and home freezer mfg.	335222	0.004150198
Household laundry equipment manufacturing	335224	0.004018637
Electrical equipment manufacturing	3353	0.001454331
Electrical equipment manufacturing	33531	0.001454331
Electric power and specialty transformer mfg.	335311	0.004166667
Motor and generator manufacturing	335312	0.003687253
Switchgear and switchboard apparatus mfg.	335313	0.008823529
Other electrical equipment and component mfg.	33539	0.001802843
Battery manufacturing	33591	0.004365079
Communication and energy wire and cable mfg.	33592	0.020686540
Other communication and energy wire mfg.	335929	0.030714286
Wiring device manufacturing	33593	0.003709677
Current-carrying wiring device manufacturing	335931	0.005619048
Noncurrent-carrying wiring device mfg.	335932	0.010837887
Other electrical equipment and component mfg.	33599	0.013773148
Miscellaneous electrical equipment mfg.	335999	0.022679201
Transportation equipment manufacturing	336	0.000135034
Motor vehicle manufacturing	3361	0.000937096
Automobile and light truck manufacturing	33611	0.001408935
Automobile manufacturing	336111	0.002085602
Light truck and utility vehicle manufacturing	336112	0.004325825
Motor vehicle body and trailer manufacturing	3362	0.000963231
Motor vehicle body and trailer manufacturing	33621	0.000963231
Motor vehicle body manufacturing	336211	0.003254108
Truck trailer manufacturing	336212	0.004060555
Travel trailer and camper manufacturing	336214	0.002545534
Motor vehicle parts manufacturing	3363	0.000385544
Motor vehicle gasoline engine and parts mfg.	33631	0.002924750
Gasoline engine and engine parts mfg.	336312	0.004812269
Motor vehicle electric equipment	33632	0.002323061
Other motor vehicle electric equipment mfg.	336322	0.004026772
Motor vehicle brake system manufacturing	33634	0.007915361
Motor vehicle power train components mfg.	33635	0.003148674
Motor vehicle metal stamping	33637	0.002674316
Other motor vehicle parts manufacturing	33639	0.001561622
Motor vehicle air-conditioning manufacturing	336391	0.008663430
All other motor vehicle parts manufacturing	336399	0.001904395
Aerospace product and parts manufacturing	3364	0.000773964
Aerospace product and parts manufacturing	33641	0.000773964
Aircraft manufacturing	336411	0.001960913
Aircraft engine and engine parts mfg.	336412	0.004306220
Other aircraft parts and equipment	336413	0.002520265
Guided missile and space vehicle mfg.	336414	0.006592040
Space vehicle propulsion units and parts mfg.	336415	0.013333333
Railroad rolling stock manufacturing	3365	0.008711872
Ship and boat building	3366	0.001001526
Ship and boat building	33661	0.001001526
Ship building and repairing	336611	0.001852310
Boat building	336612	0.002103894
Other transportation equipment manufacturing	3369	0.002459962
Other transportation equipment manufacturing	33699	0.002459962
Furniture and related product manufacturing	337	0.000388502
Household and institutional furniture mfg.	3371	0.000594728
Wood kitchen cabinet and countertop mfg.	33711	0.001492010
Other household and institutional furniture	33712	0.000973172
Upholstered household furniture manufacturing	337121	0.003036899
Nonupholstered wood household furniture mfg.	337122	0.002146206
Metal household furniture manufacturing	337124	0.018974359
Institutional furniture manufacturing	337127	0.006148148
Office furniture and fixtures manufacturing	3372	0.001518745
Office furniture and fixtures manufacturing	33721	0.001518745

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Wood office furniture manufacturing	337211	0.011007752
Office furniture, except wood, manufacturing	337214	0.007196970
Showcases, partitions, shelving, and lockers	337215	0.002308778
Other furniture related product manufacturing	3379	0.004121377
Mattress manufacturing	33791	0.006912076
Blind and shade manufacturing	33792	0.010065238
Miscellaneous manufacturing	339	0.000387689
Medical equipment and supplies manufacturing	3391	0.000925054
Medical equipment and supplies manufacturing	33911	0.000925054
Laboratory apparatus and furniture mfg.	339111	0.013725490
Surgical and medical instrument manufacturing	339112	0.001981555
Surgical appliance and supplies manufacturing	339113	0.002578378
Dental equipment and supplies manufacturing	339114	0.008008658
Ophthalmic goods manufacturing	339115	0.015238095
Other miscellaneous manufacturing	3399	0.000654485
Jewelry and silverware manufacturing	33991	0.008294779
Jewelry, except costume, manufacturing	339911	0.015204678
Sporting and athletic goods manufacturing	33992	0.002133527
Doll and stuffed toy manufacturing	339931	0.008823529
Office supplies, except paper, manufacturing	33994	0.006167109
Pen and mechanical pencil manufacturing	339941	0.012745098
Lead pencil and art good manufacturing	339942	0.009722222
Sign manufacturing	33995	0.007685551
All other miscellaneous manufacturing	33999	0.001717340
Gasket, packing, and sealing device mfg.	339991	0.005740741
Musical instrument manufacturing	339992	0.011544992
Broom, brush, and mop manufacturing	339994	0.018546366
All other miscellaneous manufacturing	339999	0.005205518
Service producing		0.000007658
Trade, transportation, and utilities		0.000018786
Wholesale trade		0.000107680
Merchant wholesalers, durable goods	423	0.000249379
Motor vehicle and parts merchant wholesalers	4231	0.001335850
Furniture and furnishing merchant wholesalers	4232	0.008930453
Lumber and const. supply merchant wholesalers	4233	0.002099025
Electric goods merchant wholesalers	4236	0.003138081
Hardware and plumbing merchant wholesalers	4237	0.003588790
Machinery and supply merchant wholesalers	4238	0.001093313
Misc. durable goods merchant wholesalers	4239	0.003271128
Merchant wholesalers, nondurable goods	424	0.000218495
Paper and paper product merchant wholesalers	4241	0.005700183
Druggists' goods merchant wholesalers	4242	0.003636557
Apparel and piece goods merchant wholesalers	4243	0.004434783
Grocery and related product wholesalers	4244	0.000428278
Farm product raw material merch. whls.	4245	0.012471847
Alcoholic beverage merchant wholesalers	4248	0.001198495
Misc. nondurable goods merchant wholesalers	4249	0.002197241
Electronic markets and agents and brokers	425	0.001421765
Electronic markets and agents and brokers	4251	0.001421765
Retail trade		0.000048094
Motor vehicle and parts dealers	441	0.000508765
Automobile dealers	4411	0.000984814
New car dealers	44111	0.001067530
Used car dealers	44112	0.012519026
Auto parts, accessories, and tire stores	4413	0.001182206
Automotive parts and accessories stores	44131	0.001636949
Tire dealers	44132	0.004176929
Furniture and home furnishings stores	442	0.000628038
Furniture stores	4421	0.001033412
Home furnishings stores	4422	0.001600684
Floor covering stores	44221	0.006521739
Other home furnishings stores	44229	0.002073906
Electronics and appliance stores	443	0.001967595
Electronics and appliance stores	4431	0.001967595
Appliance, TV, and other electronics stores	44311	0.002740223
Computer and software stores	44312	0.008238150

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Camera and photographic supplies stores	44313	0.035964912
Building material and garden supply stores	444	0.000448257
Building material and supplies dealers	4441	0.000475405
Home centers	44411	0.000756365
Hardware stores	44413	0.004750967
Other building material dealers	44419	0.001813465
Lawn and garden equipment and supplies stores	4442	0.007845645
Outdoor power equipment stores	44421	0.052923977
Nursery, garden, and farm supply stores	44422	0.009173554
Food and beverage stores	445	0.000254686
Grocery stores	4451	0.000311680
Supermarkets and other grocery stores	44511	0.000319269
Specialty food stores	4452	0.002021494
Fruit and vegetable markets	44523	0.011240786
Health and personal care stores	446	0.000798550
Health and personal care stores	4461	0.000798550
Pharmacies and drug stores	44611	0.000990536
Cosmetic and beauty supply stores	44612	0.006463675
Optical goods stores	44613	0.026008065
Other health and personal care stores	44619	0.018419453
Gasoline stations	447	0.001310335
Gasoline stations	4471	0.001310335
Gasoline stations with convenience stores	44711	0.001513379
Other gasoline stations	44719	0.009762589
Clothing and clothing accessories stores	448	0.000835471
Clothing stores	4481	0.000928030
Women's clothing stores	44812	0.008749659
Family clothing stores	44814	0.001125500
Clothing accessories stores	44815	0.074242424
Other clothing stores	44819	0.029877112
Shoe stores	4482	0.017129630
Jewelry, luggage, and leather goods stores	4483	0.013543860
Jewelry stores	44831	0.017559524
Luggage and leather goods stores	44832	0.055555556
Sporting goods, hobby, book and music stores	451	0.001186164
Sporting goods and musical instrument stores	4511	0.001910436
Sporting goods stores	45111	0.005929408
Hobby, toy, and game stores	45112	0.003547633
Sewing, needlework, and piece goods stores	45113	0.020879121
Musical instrument and supplies stores	45114	0.037500000
Book, periodical, and music stores	4512	0.003023374
Book stores and news dealers	45121	0.003953551
Precorded tape, CD, and record stores	45122	0.012626263
General merchandise stores	452	0.000231467
Department stores	4521	0.000436741
Other general merchandise stores	4529	0.000492071
Warehouse clubs and supercenters	45291	0.000524314
Miscellaneous store retailers	453	0.000836546
Florists	4531	0.015602837
Office supplies, stationery, and gift stores	4532	0.001665402
Office supplies and stationery stores	45321	0.002481923
Gift, novelty, and souvenir stores	45322	0.004804625
Used merchandise stores	4533	0.004847953
Other miscellaneous store retailers	4539	0.002879198
Pet and pet supplies stores	45391	0.008317289
Manufactured, mobile, home dealers	45393	0.015488215
All other miscellaneous store retailers	45399	0.006241956
Nonstore retailers	454	0.000730748
Electronic shopping and mail-order houses	4541	0.001071019
Vending machine operators	4542	0.005856643
Direct selling establishments	4543	0.002238590
Fuel dealers	45431	0.003785694
Other direct selling establishments	45439	0.005412115
Transportation and warehousing ³		0.000046522
Air transportation	481	0.000404451
Scheduled air transportation	4811	0.000441611
Rail transportation ³	482	0.000000913
Water transportation	483	0.005490074
Sea, coastal, and Great Lakes transportation	4831	0.013793103

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Inland water transportation	4832	0.008993489
Truck transportation	484	0.000261989
General freight trucking	4841	0.000330921
General freight trucking, local	48411	0.002550537
General freight trucking, long-distance	48412	0.000378664
Specialized freight trucking	4842	0.001248907
Other specialized trucking, local	48422	0.003819944
Other specialized trucking, long-distance	48423	0.003151890
Transit and ground passenger transportation	485	0.000534587
Urban transit systems	4851	0.001709957
Interurban and rural bus transportation	4852	0.005575894
Taxi and limousine service	4853	0.003826993
Taxi service	48531	0.005468750
Limousine service	48532	0.012723214
School and employee bus transportation	4854	0.002567485
Charter bus industry	4855	0.005808848
Other ground passenger transportation	4859	0.003059712
Pipeline transportation	486	0.017222222
Pipeline transportation of natural gas	4862	0.021428571
Scenic and sightseeing transportation	487	0.006734868
Support activities for transportation	488	0.000463166
Support activities for rail transportation	4882	0.009988563
Support activities for water transportation	4883	0.001179948
Support activities for road transportation	4884	0.004894242
Motor vehicle towing	48841	0.019152542
Freight transportation arrangement	4885	0.004280947
Other support activities for transportation	4889	0.006064516
Couriers and messengers	492	0.000269321
Couriers	4921	0.000273505
Local messengers and local delivery	4922	0.012764051
Warehousing and storage	493	0.000494664
Warehousing and storage	49312	0.000494664
General warehousing and storage	49311	0.000547582
Other warehousing and storage	49319	0.006018519
Utilities		0.000489613
Utilities	221	0.000489613
Power generation and supply	2211	0.000735979
Electric power generation	22111	0.000996867
Electric power transmission and distribution	22112	0.002386262
Natural gas distribution	2212	0.001766067
Water, sewage and other systems	2213	0.007662338
Water supply and irrigation systems	22131	0.011609195
Information		0.000182868
Information		0.000182868
Publishing industries, except Internet	511	0.000376106
Newspaper, book, and directory publishers	5111	0.000389891
Newspaper publishers	51111	0.000447974
Periodical publishers	51112	0.004533961
Directory and mailing list publishers	51114	0.016165222
Other publishers	51119	0.004993598
Motion picture and sound recording industries	512	0.003023491
Motion picture and video industries	5121	0.003078810
Broadcasting, except Internet	515	0.001846196
Radio and television broadcasting	5151	0.004214481
Television broadcasting	51512	0.004756524
Cable and other subscription programming	5152	0.003292590
Internet publishing and broadcasting	516	0.070256410
Telecommunications	517	0.000557979
Wired telecommunications carriers	5171	0.000941450
ISPs, search portals, and data processing	518	0.003128655
Data processing and related services	5182	0.003356118
Financial activities		0.000140062
Finance and insurance		0.000234419
Monetary authorities - central bank	521	0.003177258
Credit intermediation and related activities	522	0.000634585

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Depository credit intermediation	5221	0.001252143
Commercial banking	52211	0.001706403
Savings institutions	52212	0.008799647
Credit unions	52213	0.011391941
Nondepository credit intermediation	5222	0.001453571
Credit card issuing	52221	0.002747084
Sales financing	52222	0.011384615
Other nondepository credit intermediation	52229	0.003237288
Other credit intermediation activities	52239	0.011925709
Securities, commodity contracts, investments	523	0.002866825
Securities and commodity contracts brokerage	5231	0.004337687
Investment banking and securities dealing	52311	0.022610723
Securities brokerage	52312	0.004648526
Other financial investment activities	5239	0.009824561
Portfolio management	52392	0.038311688
All other financial investment activities	52399	0.015204678
Insurance carriers and related activities	524	0.000458416
Insurance carriers	5241	0.000470362
Direct life and health insurance carriers	52411	0.000694228
Direct insurers, except life and health	52412	0.001420891
Reinsurance carriers	52413	0.033333333
Insurance agencies, brokerages, and related	5242	0.005060922
Insurance agencies and brokerages	52421	0.009829060
Other insurance related activities	52429	0.010408849
Real estate and rental and leasing		0.000322078
Real estate	531	0.000568481
Lessors of real estate	5311	0.001181974
Lessors of residential buildings	53111	0.001740944
Lessors of nonresidential buildings	53112	0.005876144
Miniwarehouse and self-storage unit operators	53113	0.016836735
Lessors of other real estate property	53119	0.021666667
Offices of real estate agents and brokers	5312	0.003819444
Activities related to real estate	5313	0.001530179
Real estate property managers	53131	0.001601275
Rental and leasing services	532	0.000757375
Automotive equipment rental and leasing	5321	0.001507623
Passenger car rental and leasing	53211	0.001819143
Truck, trailer, and RV rental and leasing	53212	0.008164211
Consumer goods rental	5322	0.003344461
Consumer electronics and appliances rental	53221	0.018630137
Video tape and disc rental	53223	0.009134615
Other consumer goods rental	53229	0.007092766
General rental centers	5323	0.004538520
Machinery and equipment rental and leasing	5324	0.006756085
Heavy machinery rental and leasing	53241	0.010289434
Other machinery rental and leasing	53249	0.020624235
Professional and business services		0.000107659
Professional and technical services		0.000389120
Professional and technical services	541	0.000389120
Legal services	5411	0.003206912
Accounting and bookkeeping services	5412	0.005981735
Accounting and bookkeeping services	54121	0.005981735
Payroll services	541214	0.025816993
Other accounting services	541219	0.013566434
Architectural and engineering services	5413	0.001675297
Architectural services	54131	0.094444444
Engineering services	54133	0.002491723
Other surveying and mapping services	54137	0.020048309
Testing laboratories	54138	0.008998954
Computer systems design and related services	5415	0.003193886
Computer systems design and related services	54151	0.003193886
Computer systems design services	541512	0.006609706
Scientific research and development services	5417	0.001765264
Management of companies and enterprises		0.000473963
Administrative and waste services		0.000210984

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Administrative and support services	561	0.000307396
Telephone call centers	56142	0.003431651
Collection agencies	56144	0.016137566
Travel arrangement and reservation services	5615	0.004913793
Other travel arrangement services	56159	0.007889396
Investigation and security services	5616	0.001468869
Services to buildings and dwellings	5617	0.000908901
Janitorial services	56172	0.001448853
Landscaping services	56173	0.002898126
Other services to buildings and dwellings	56179	0.049090909
Waste management and remediation services	562	0.000642458
Waste collection	5621	0.001736326
Waste treatment and disposal	5622	0.001218642
Remediation services	56291	0.009935065
Educational and health services		0.000024096
Educational services		0.000229967
Educational services	611	0.000229967
Elementary and secondary schools	6111	0.001609182
Junior colleges	6112	0.007539683
Colleges and universities	6113	0.000239312
Technical and trade schools	6115	0.022222222
Other schools and instruction	6116	0.024715100
Health care and social assistance		0.000026676
Ambulatory health care services	621	0.000256464
Offices of physicians	6211	0.000779298
Offices of other health practitioners	6213	0.016288998
Outpatient care centers	6214	0.001973763
Medical and diagnostic laboratories	6215	0.004507257
Home health care services	6216	0.000802776
Other ambulatory health care services	6219	0.001674574
Hospitals	622	0.000032169
Nursing and residential care facilities	623	0.000207129
Social assistance	624	0.000414661
Leisure and hospitality		0.000096148
Arts, entertainment, and recreation		0.000187386
Performing arts and spectator sports	711	0.000543901
Performing arts companies	7111	0.003364708
Spectator sports	7112	0.000843168
Promoters of performing arts and sports	7113	0.002577995
Museums, historical sites, zoos, and parks	712	0.001724857
Amusements, gambling, and recreation	713	0.000331079
Amusement parks and arcades	7131	0.001900856
Gambling industries	7132	0.000606619
Other amusement and recreation industries	7139	0.000765769
Accommodation and food services		0.000176690
Accommodation	721	0.000269975
Traveler accommodation	7211	0.000272008
Hotels and motels, except casino hotels	72111	0.000395476
Casino hotels	72112	0.000787512
RV parks and recreational camps	7212	0.029431818
Food services and drinking places	722	0.000452493
Full-service restaurants	7221	0.000863231
Limited-service eating places	7222	0.001411002
Special food services	7223	0.003311907
Other services, except public administration		0.000202349
Other services, except public administration		0.000202349
Repair and maintenance	811	0.000731728
Automotive repair and maintenance	8111	0.001122516
Electronic equipment repair and maintenance	8112	0.009229847
Commercial machinery repair and maintenance	8113	0.003408718
Household goods repair and maintenance	8114	0.012745098
Personal and laundry services	812	0.000500972

See footnotes at end of table.

Table A-5 Factors¹ for use in calculating relative standard errors by industry, 2004 — Continued

Industry	NAICS Code ²	Factor
Personal care services	8121	0.005890786
Death care services	8122	0.004217172
Drycleaning and laundry services	8123	0.000815582
Other personal services	8129	0.002490726
Membership associations and organizations	813	0.000585829

¹ See appendix B for a discussion on how to calculate relative standard errors using these factors.

² *North American Industry Classification System* - United States, 2002.

³ Relative standard errors were not calculated for mining, except oil and gas (NAICS 212), and rail transportation (NAICS 482).