

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Selected industry sector groupings					
Total mining, utilities, and manufacturing industries	AMUM	0.60	0.13	4.16	0.28
Total mining industries	OMIN	2.52	0.52	9.68	0.90
Total manufacturing industries	OMFG	0.55	0.11	4.51	0.25
Total trade industries	ATRADE	0.29	0.38	1.61	0.80
Total wholesale trade industries	AWHLTR	0.39	0.60	2.03	1.39
Total retail trade industries	ARETTR	0.29	0.38	1.56	0.66
Transportation and warehousing industries	ATRNWR	0.44	0.17	4.89	0.38
Transportation industries	ATRANS	0.42	0.19	5.07	0.45
Delivery and warehouse industries	ADLVWR	0.13	0.08	3.87	0.36
Services less trade, transportation, and warehousing	ATTDSV	0.20	0.08	2.82	0.28
Information	AINFO	0.25	0.23	0.34	0.52
Selected health care industries	ASHC	0.09	0.09	1.95	0.41
Other selected services less trade, transportation, and warehousing industries	ASTDSV	0.17	0.12	3.69	0.35
Logging					
Logging	1133	0.53	0.82	3.54	2.88
Logging	11331	0.53	0.82	3.54	2.88
Logging	113310	0.53	0.82	3.54	2.88
Mining					
Oil and gas extraction	211	4.65	1.03	18.95	1.67
Oil and gas extraction	2111	4.65	1.03	18.95	1.67
Crude petroleum and natural gas extraction	211111	4.78	0.93	19.20	1.81
Natural gas liquids extraction	211112	6.05	2.20	16.96	4.33
Mining (except oil & gas)	212	0.48	0.47	3.62	1.33
Coal mining	2121	0.56	0.29	1.80	2.43
Coal mining	21211	0.56	0.29	1.80	2.43
Bituminous coal and lignite surface mining	212111	0.67	0.48	2.90	1.63
Bituminous coal underground mining	212112	0.60	0.25	0.70	4.69
Anthracite mining	212113	0.65	0.33	2.80	0.98
Metal ore mining	2122	1.00	1.56	8.89	2.81
Iron ore mining	21221	1.11	0.08	2.37	4.27
Iron ore mining	212210	1.11	0.08	2.37	4.27
Copper, nickel, lead & zinc mining	21223	1.36	3.08	13.38	4.22
Copper, nickel, lead and zinc mining	212230	1.36	3.08	13.38	4.22
Other metal ore mining	21229	7.73	4.70	21.94	22.25
Other metal ore mining	212290	7.73	4.70	21.95	22.25
Nonmetallic mineral mining & quarrying	2123	0.30	0.24	2.49	0.73
Stone mining & quarrying	21231	0.24	0.27	2.92	1.20
Dimension stone mining and quarrying	212311	0.02	0.13	0.82	0.99
Crushed and broken limestone mining	212312	0.20	0.27	3.36	1.27
Crushed and broken granite mining	212313	0.40	0.63	3.56	1.20
Other crushed and broken stone mining	212319	0.32	0.93	0.98	4.43
Sand/gravel/clay/refractory minerals mining	21232	0.42	0.34	3.19	0.91
Construction sand and gravel mining	212321	0.13	0.21	3.78	1.11
Industrial sand mining	212322	0.73	0.80	2.16	2.93
Kaolin and ball clay mining	212324	0.00	0.00	1.75	1.09
Clay, ceramic, and refractory minerals mining	212325	1.01	0.96	0.93	1.71
Other nonmetallic mineral mining & quarrying	21239	0.35	0.49	1.59	1.01
Potash, soda, and borate mineral mining	212391	0.44	0.75	1.37	0.97
Other chemical and fertilizer mineral mining	212393	0.18	0.02	2.12	3.19
All other nonmetallic mineral mining	212399	0.00	0.00	3.46	0.86
Mining support activities	213	0.23	0.31	1.67	1.13
Mining support activities	2131	0.23	0.31	1.67	1.13
Mining support activities	21311	0.23	0.31	1.67	1.13
Drilling oil and gas wells	213111	0.46	0.86	2.54	2.53
Support activities for oil and gas operations	213112	0.21	0.24	1.35	1.39

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Support activities for coal mining	213113	0.00	0.00	2.20	1.19
Support activities for metal mining	213114	0.21	0.18	1.75	2.66
Support activities for nonmetallic minerals (except fuels) mining	213115	0.00	0.00	0.00	0.00
Utilities					
Utilities	221	2.31	0.56	2.90	1.35
Electric power generation, transmission, and distribution	2211	2.71	0.59	3.28	1.61
Electric power generation	22111	6.75	1.80	8.20	6.27
Electric power generation	221110	6.75	1.80	8.19	6.27
Electric power transmission, control, and distribution	22112	1.04	0.26	1.20	0.36
Electric bulk power transmission and control	221121	0.63	0.39	2.85	1.73
Electric power distribution	221122	1.13	0.27	1.13	0.35
Natural gas distribution	2212	0.80	0.56	2.25	0.78
Natural gas distribution	22121	0.80	0.56	2.25	0.78
Natural gas distribution	221210	0.80	0.56	2.25	0.78
Construction					
New industrial building construction	236211	0.15	0.05	4.70	0.20
New warehouse building construction	236221	0.18	0.07	3.59	0.31
New school building construction	236222	0.03	0.07	4.21	0.49
New office building construction	236223	0.15	0.10	4.09	0.57
New health care building construction	236224	0.15	0.11	4.05	0.40
Concrete contractors, nonresidential building work	23811X	0.27	0.09	4.39	0.36
Roofing contractors, nonresidential building work	23816X	0.06	0.03	1.00	0.31
Electrical contractors, nonresidential building work	23821X	0.15	0.04	4.47	0.15
Plumbing, heating and air-conditioning contractors, nonresidential building work	23822X	0.21	0.09	4.29	0.55
Manufacturing					
Food mfg	311	0.35	0.21	0.77	0.44
Animal food mfg	3111	0.73	0.18	3.72	0.60
Animal food mfg	31111	0.73	0.18	3.65	0.59
Dog and cat food manufacturing	311111	0.02	0.07	1.93	0.85
Other animal food manufacturing	311119	1.07	0.30	4.69	0.68
Grain & oilseed milling	3112	0.47	0.29	1.11	0.71
Flour milling & malt mfg	31121	0.49	0.28	3.19	0.88
Flour milling	311211	0.70	0.37	2.70	1.05
Rice milling	311212	0.69	0.27	10.72	2.09
Malt manufacturing	311213	0.01	0.07	4.27	2.01
Starch & vegetable fats & oils mfg	31122	0.65	0.46	2.21	1.21
Wet corn milling	311221	0.76	0.89	1.38	1.84
Soybean and other oilseed processing	311224	1.26	0.74	3.66	1.81
Fats and oils refining and blending	311225	0.66	0.48	2.35	1.31
Breakfast cereal manufacturing	31123	0.01	0.01	0.50	0.54
Breakfast cereal manufacturing	311230	0.01	0.01	0.50	0.54
Sugar & confectionery product mfg	3113	0.30	0.15	1.07	0.47
Sugar mfg	31131	0.33	0.36	1.91	1.10
Beet sugar manufacturing	311313	0.48	0.61	7.96	1.71
Cane sugar manufacturing	311314	0.47	0.41	1.95	1.38
Nonchocolate confectionery mfg	31134	0.22	0.22	1.56	1.01
Nonchocolate confectionery manufacturing	311340	0.22	0.22	1.56	1.01
Chocolate and confectionery manufacturing	31135	0.23	0.19	0.25	0.53
Chocolate and confectionery mfg. from cacao	311351	0.83	0.39	1.10	1.35
Confectionery mfg. from purchased chocolate	311352	0.00	0.02	0.35	0.51
Fruit & vegetable preserving & specialty food mfg	3114	0.17	0.20	1.47	0.54
Frozen food manufacturing	31141	0.21	0.24	2.09	1.03
Frozen fruit and vegetable manufacturing	311411	0.44	0.46	5.26	2.09
Frozen specialty food manufacturing	311412	0.12	0.11	0.40	0.40
Fruit & vegetable canning, pickling & drying	31142	0.30	0.29	0.92	0.56
Fruit and vegetable canning	311421	0.32	0.34	1.20	0.80

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Specialty canning	311422	0.24	0.29	0.50	0.74
Dried and dehydrated food manufacturing	311423	0.05	0.08	1.41	0.84
Dairy product mfg	3115	0.51	0.19	2.43	0.53
Dairy product (except frozen) mfg	31151	0.56	0.20	2.76	0.59
Fluid milk manufacturing	311511	0.64	0.26	1.81	0.54
Creamery butter manufacturing	311512	3.08	0.77	4.86	1.06
Cheese manufacturing	311513	1.03	0.36	3.62	0.99
Dry, condensed, and evaporated dairy products	311514	0.68	0.39	5.89	1.80
Ice cream and frozen dessert mfg	31152	0.33	0.27	1.49	0.55
Ice cream and frozen dessert manufacturing	311520	0.32	0.27	1.49	0.55
Animal slaughtering & processing	31161	0.87	0.73	2.31	1.31
Animal, except poultry, slaughtering	311611	1.21	1.30	3.88	2.11
Meat processed from carcasses	311612	0.47	0.48	1.85	1.06
Rendering and meat byproduct processing	311613	3.82	2.20	5.63	3.88
Poultry processing	311615	1.33	1.46	5.58	2.84
Seafood product preparation & packaging	3117	0.87	0.58	2.36	2.10
Seafood product preparation and packaging	31171	0.87	0.58	2.36	2.10
Seafood product preparation and packaging	311710	0.87	0.58	2.36	2.10
Bakeries & tortilla mfg	3118	0.15	0.16	2.01	0.33
Bread & bakery product mfg	31181	0.24	0.25	2.91	0.44
Retail bakeries	311811	0.30	0.29	5.27	2.22
Commercial bakeries	311812	0.18	0.30	2.99	0.50
Frozen cakes and other pastries manufacturing	311813	0.15	0.13	0.73	0.79
Cookie, cracker & pasta mfg	31182	0.16	0.12	0.68	0.46
Cookie and cracker manufacturing	311821	0.04	0.03	0.31	0.69
Dry pasta, dough, and flour mixes manufacturing from purchased flour	311824	0.20	0.17	1.24	0.64
Tortilla mfg	31183	0.26	0.19	0.69	0.56
Tortilla manufacturing	311830	0.26	0.19	0.69	0.56
Other food manufacturing	3119	0.36	0.31	4.12	1.15
Snack food mfg	31191	0.18	0.23	2.74	2.54
Roasted nuts and peanut butter manufacturing	311911	0.51	0.46	2.69	1.66
Other snack food manufacturing	311919	0.04	0.05	4.50	3.71
Coffee & tea mfg	31192	0.13	0.10	0.20	0.50
Coffee and tea manufacturing	311920	0.13	0.10	0.20	0.50
Flavoring syrup & concentrate mfg	31193	0.03	0.04	2.30	0.38
Flavoring syrup and concentrate manufacturing	311930	0.03	0.04	2.30	0.38
Seasoning & dressing mfg	31194	0.23	0.27	2.26	1.33
Mayonnaise, dressing, and sauce manufacturing	311941	0.11	0.08	1.42	0.33
Spice and extract manufacturing	311942	0.30	0.50	2.84	2.33
All other food mfg	31199	1.89	0.89	10.08	2.65
Perishable prepared food manufacturing	311991	0.13	0.11	0.54	0.78
All other miscellaneous food manufacturing	311999	3.13	1.52	18.42	5.05
Beverage & tobacco mfg	312	0.18	0.18	2.60	0.45
Beverage mfg	3121	0.23	0.23	1.03	0.52
Soft drink & ice mfg	31211	0.41	0.45	1.09	0.98
Soft drink manufacturing	312111	0.46	0.49	1.40	1.05
Bottled water manufacturing	312112	0.00	0.00	0.45	1.01
Ice manufacturing	312113	0.00	0.00	1.61	2.07
Breweries	31212	0.04	0.04	1.09	0.90
Breweries	312120	0.04	0.04	1.09	0.90
Wineries	31213	0.09	0.18	0.13	0.64
Wineries	312130	0.09	0.18	0.13	0.64
Distilleries	31214	0.01	0.02	1.47	0.55
Distilleries	312140	0.01	0.02	1.47	0.55
Tobacco mfg	3122	0.09	0.05	5.72	1.03
Tobacco manufacturing	31223	0.09	0.05	5.72	1.03
Tobacco manufacturing	312230	0.09	0.05	5.72	1.03

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Textile mills	313	0.35	0.18	2.36	0.52
Fiber, yarn, and thread mills	3131	0.54	0.34	5.55	0.84
Fiber, yarn, and thread mills	31311	0.54	0.34	5.55	0.84
Fiber, yarn, and thread mills	313110	0.54	0.34	5.55	0.84
Fabric mills	3132	0.29	0.28	1.45	0.89
Broadwoven fabric mills	31321	0.42	0.19	1.00	0.69
Broadwoven fabric mills	313210	0.42	0.19	1.00	0.70
Narrow fabric mills and schiffli embroidery	31322	0.03	0.05	2.75	0.68
Narrow fabric mills and schiffli machine embroidery	313220	0.03	0.05	2.75	0.68
Nonwoven fabric mills	31323	0.46	0.51	1.46	1.89
Nonwoven fabric mills	313230	0.46	0.51	1.46	1.89
Knit fabric mills	31324	0.03	0.07	0.64	0.65
Knit fabric mills	313240	0.03	0.07	0.65	0.65
Textile and fabric finishing mills	3133	0.25	0.19	2.51	0.85
Textile and fabric finishing mills	31331	0.21	0.22	2.46	0.97
Textile and fabric finishing mills	313310	0.21	0.22	2.45	0.97
Fabric coating mills	31332	0.21	0.17	2.58	1.49
Fabric coating mills	313320	0.21	0.17	2.58	1.49
Textile product mills	314	0.19	0.18	2.49	0.60
Textile furnishings mills	3141	0.28	0.31	3.08	0.92
Carpet and rug mills	31411	0.36	0.44	4.32	1.34
Carpet and rug mills	314110	0.36	0.44	4.33	1.34
Curtain and linen mills	31412	0.13	0.18	0.50	1.02
Curtain and linen mills	314120	0.13	0.18	0.50	1.01
Other textile product mills	3149	0.10	0.11	1.50	0.41
Textile bag and canvas mills	31491	0.15	0.13	2.41	1.01
Textile bag and canvas mills	314910	0.15	0.13	2.42	1.01
All other textile product mills	31499	0.15	0.12	0.97	0.40
Rope, twine, tire cord, and tire fabric mills	314994	0.22	0.25	3.00	1.10
All other miscellaneous textile product mills	314999	0.12	0.10	0.27	0.39
Apparel manufacturing	315	0.08	0.08	0.75	0.36
Apparel knitting mills	3151	0.00	0.00	0.17	0.43
Hosiery and sock mills	31511	0.00	0.00	0.23	0.25
Hosiery and sock mills	315110	0.00	0.00	0.23	0.25
Other apparel knitting mills	31519	0.00	0.00	0.06	0.90
Other apparel knitting mills	315190	0.00	0.00	0.06	0.91
Cut and sew apparel manufacturing	3152	0.07	0.07	0.67	0.34
Cut and sew apparel contractors	31521	0.05	0.07	0.48	0.42
Cut and sew apparel contractors	315210	0.05	0.07	0.48	0.42
Men's and boys' cut and sew apparel mfg	31522	0.04	0.08	0.70	0.43
Men's and boys' cut and sew apparel manufacturing	315220	0.04	0.08	0.70	0.42
Women's & girls' cut & sew apparel mfg.	31524	0.09	0.10	0.49	0.23
Women's, girls', and infants' cut and sew apparel manufacturing	315240	0.09	0.10	0.46	0.23
Other cut and sew apparel manufacturing	31528	0.07	0.07	1.43	0.95
Other cut and sew apparel manufacturing	315280	0.07	0.07	1.43	0.95
Accessories and other apparel manufacturing	3159	0.27	0.21	2.92	1.77
Accessories and other apparel manufacturing	31599	0.27	0.21	2.92	1.77
Accessories and other apparel manufacturing	315990	0.27	0.21	2.95	1.79
Leather and allied product manufacturing	316	0.34	0.15	1.20	0.56
Leather and hide tanning and finishing	3161	1.01	0.47	8.93	1.86
Leather and hide tanning and finishing	31611	1.01	0.47	8.93	1.86
Leather and hide tanning and finishing	316110	1.01	0.47	8.93	1.86
Footwear manufacturing	3162	0.02	0.01	0.73	0.31
Footwear manufacturing	31621	0.02	0.01	0.73	0.31
Footwear manufacturing	316210	0.02	0.01	0.72	0.31
Other leather product manufacturing	3169	0.08	0.09	2.48	0.76
Other leather product manufacturing	31699	0.08	0.09	2.48	0.76

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Women's handbag and purse manufacturing	316992	0.00	0.00	7.72	2.96
All other leather and allied good mfg.	316998	0.01	0.03	1.12	0.55
Wood product manufacturing	321	1.48	0.24	7.15	0.69
Sawmills and wood preservation	3211	2.27	0.70	8.64	1.48
Sawmills and wood preservation	32111	2.27	0.70	8.64	1.48
Sawmills	321113	2.23	0.83	9.94	1.78
Wood preservation	321114	1.76	0.59	4.87	1.19
Plywood and engineered wood product mfg	3212	1.98	0.47	10.89	1.94
Plywood and engineered wood product mfg	32121	1.98	0.47	10.89	1.94
Hardwood veneer and plywood manufacturing	321211	0.39	0.44	6.97	2.20
Softwood veneer and plywood manufacturing	321212	2.32	0.64	25.45	1.90
Engineered wood member manufacturing	321213	0.49	0.39	8.64	2.48
Truss manufacturing	321214	1.40	0.89	17.26	5.91
Reconstituted wood product manufacturing	321219	3.62	0.68	6.83	2.33
Other wood product manufacturing	3219	0.47	0.21	5.15	0.75
Millwork	32191	0.33	0.30	4.72	0.82
Wood window and door manufacturing	321911	0.20	0.13	4.99	0.80
Cut stock, resawing lumber, and planing	321912	0.57	0.47	9.14	2.08
Other millwork, including flooring	321918	0.54	0.41	0.50	1.90
Wood container and pallet manufacturing	32192	0.64	0.48	8.05	2.63
Wood container and pallet manufacturing	321920	0.64	0.48	8.05	2.63
All other wood product manufacturing	32199	0.32	0.21	4.59	1.05
Manufactured home, mobile home, manufacturing	321991	0.38	0.29	5.96	1.57
Prefabricated wood building manufacturing	321992	0.45	0.39	6.05	1.87
Miscellaneous wood product manufacturing	321999	0.13	0.19	2.89	2.04
Paper manufacturing	322	0.30	0.13	3.48	0.42
Pulp, paper & paperboard mills	3221	0.35	0.23	5.10	0.69
Pulp mills	32211	1.27	1.13	24.99	4.92
Pulp mills	322110	1.27	1.13	24.99	4.92
Paper mills	32212	0.41	0.37	2.98	1.11
Paper, except newsprint, mills	322121	0.33	0.39	2.16	1.15
Newsprint mills	322122	1.22	0.50	16.50	2.37
Paperboard mills	32213	0.43	0.13	5.80	0.49
Paperboard mills	322130	0.43	0.13	5.79	0.49
Converted paper product mfg	3222	0.25	0.15	2.62	0.46
Paper container mfg	32221	0.15	0.13	2.65	0.65
Corrugated and solid fiber box manufacturing	322211	0.15	0.14	4.17	0.67
Folding paperboard box manufacturing	322212	0.23	0.22	1.54	1.36
Other paperboard container manufacturing	322219	0.18	0.12	1.79	2.96
Paper bag and coated and treated paper mfg	32222	0.29	0.40	4.45	0.97
Paper bag and coated and treated paper manufacturing	322220	0.29	0.40	4.45	0.97
Stationery product mfg	32223	0.34	0.54	5.31	1.27
Stationery product manufacturing	322230	0.34	0.54	5.31	1.27
Other converted paper product mfg	32229	0.25	0.24	0.44	0.71
Sanitary paper product manufacturing	322291	0.32	0.35	0.62	0.75
All other converted paper product mfg.	322299	0.05	0.25	0.21	1.98
Printing and related support activities	323	0.22	0.12	0.88	0.35
Printing and related support activities	3231	0.22	0.12	0.88	0.35
Printing	32311	0.22	0.12	0.97	0.33
Commercial screen printing	323113	0.23	0.25	0.90	1.09
Books printing	323117	0.23	0.25	3.40	1.16
Commercial printing, except screen and books	32311K	0.18	0.13	0.99	0.35
Support activities for printing	32312	0.05	0.13	1.45	1.89
Support activities for printing	323120	0.05	0.13	1.59	2.16
Petroleum refineries	32411	2.15	0.81	23.52	2.30
Petroleum refineries	324110	2.15	0.81	23.52	2.30

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Asphalt paving and roofing materials mfg	32412	1.11	0.68	5.70	1.39
Asphalt paving mixture & block manufacturing	324121	1.23	0.63	5.60	1.89
Asphalt shingle and coating materials manufacturing	324122	1.39	1.24	6.34	2.10
Other petroleum and coal products mfg	32419	0.51	0.42	9.96	1.60
Petroleum lubricating oil and grease mfg.	324191	0.60	0.40	7.26	0.73
All other petroleum and coal products mfg.	324199	1.20	1.87	22.96	8.10
Chemical mfg	325	0.30	0.17	4.46	0.88
Basic chemical mfg	3251	0.57	0.52	7.82	1.76
Petrochemical mfg	32511	2.29	2.28	10.24	8.28
Petrochemical manufacturing	325110	2.29	2.28	10.12	8.28
Industrial gas mfg	32512	0.20	1.97	3.40	5.15
Industrial gas manufacturing	325120	0.20	1.99	3.42	5.17
Synthetic dye and pigment mfg	32513	0.76	0.57	7.09	2.37
Synthetic dye and pigment manufacturing	325130	0.76	0.57	7.13	2.39
Other basic inorganic chemical manufacturing	32518	0.48	0.88	13.08	3.95
Other basic inorganic chemical manufacturing	325180	0.47	0.87	13.32	4.05
Other basic organic chemical mfg	32519	0.45	0.59	6.10	1.62
Ethyl alcohol manufacturing	325193	1.50	1.08	5.05	3.81
Cyclic crude, intermediate, and gum and wood chemical mfg	325194	0.88	0.49	6.22	1.76
All other basic organic chemical manufacturing	325199	0.33	0.75	6.17	1.96
Resin, synthetic rubber, and artificial/synthetic fiber/filaments mfg	3252	1.13	0.42	4.15	1.62
Resin and synthetic rubber mfg	32521	1.16	0.46	4.15	1.76
Plastics material and resins mfg	325211	1.14	0.50	5.07	1.93
Synthetic rubber manufacturing	325212	1.73	0.38	9.93	1.40
Artificial fibers and filaments manufacturing	32522	0.37	0.21	4.06	0.97
Artificial fibers and filaments manufacturing	325220	0.37	0.21	4.06	0.96
Pesticide, fertilizer, and other agricultural chemical mfg	3253	0.62	0.80	6.59	1.83
Fertilizer mfg	32531	0.86	0.60	7.13	1.26
Nitrogenous fertilizer manufacturing	325311	1.08	1.36	7.38	3.16
Phosphatic fertilizer manufacturing	325312	1.64	0.71	14.54	1.73
Fertilizer, mixing only, manufacturing	325314	0.30	0.19	1.07	0.78
Pesticide and other agricultural chemical mfg	32532	0.93	1.31	6.00	3.36
Pesticide and other agricultural chemical manufacturing	325320	0.93	1.31	6.00	3.36
Pharmaceutical and medicine mfg	3254	0.21	0.21	3.84	2.03
Pharmaceutical and medicine mfg	32541	0.21	0.21	3.84	2.03
Medicinal and botanical manufacturing	325411	0.01	0.04	3.62	2.93
Pharmaceutical preparation manufacturing	325412	0.27	0.24	4.08	2.36
In-vitro diagnostic substance manufacturing	325413	0.39	0.36	0.45	0.62
Other biological product manufacturing	325414	0.13	0.10	2.94	1.88
Paint, coating & adhesive mfg	3255	0.30	0.16	3.57	0.49
Paint and coating mfg	32551	0.18	0.23	3.68	0.66
Paint and coating manufacturing	325510	0.18	0.23	3.68	0.66
Adhesive mfg	32552	0.31	0.18	3.13	0.63
Adhesive manufacturing	325520	0.31	0.18	3.13	0.63
Soap, cleaners, and toilet preparation mfg	3256	0.19	0.13	2.26	0.53
Soap & cleaning compound mfg	32561	0.28	0.20	3.14	0.86
Soap and other detergent manufacturing	325611	0.04	0.07	0.96	0.50
Polish and other sanitation good mfg.	325612	0.21	0.19	6.52	2.49
Surface active agent manufacturing	325613	0.62	0.53	4.85	2.74
Toilet preparation mfg	32562	0.01	0.03	1.29	0.74
Toilet preparation manufacturing	325620	0.01	0.03	1.29	0.74
Other chemical product & preparation mfg	3259	0.29	0.17	2.09	0.60
Printing ink mfg	32591	0.28	0.19	1.39	0.58
Printing ink manufacturing	325910	0.28	0.19	1.39	0.58
Explosives mfg	32592	0.23	0.15	4.16	1.31
Explosives manufacturing	325920	0.23	0.14	4.15	1.30
All other chemical product & preparation mfg	32599	0.29	0.20	2.18	0.70
Custom compounding of purchased resins	325991	0.37	0.41	5.37	1.82
Photographic film and chemical manufacturing	325992	0.01	0.03	0.50	0.28

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Other miscellaneous chemical product manufacturing	325998	0.42	0.31	1.26	0.91
Plastics and rubber products mfg	326	0.10	0.11	3.25	0.41
Plastics product mfg	3261	0.14	0.12	3.67	0.49
Unsupported plastics film, sheet, and bag mfg	32611	0.58	0.29	3.28	0.65
Plastics bag and pouch manufacturing	326111	0.13	0.18	2.59	0.76
Plastics packaging film and sheet mfg.	326112	0.93	0.47	4.43	0.87
Nonpackaging plastics film and sheet mfg.	326113	0.47	0.43	2.23	1.22
Plastics pipe/fitting/unsupported shapes mfg	32612	0.19	0.33	3.88	1.97
Unlaminated plastics profile shape manufacturing	326121	0.40	0.46	1.46	1.88
Plastics pipe and pipe fitting manufacturing	326122	0.53	0.44	5.68	2.71
Laminated plastics plate, sheet, and shape mfg	32613	0.03	0.05	1.32	0.68
Laminated plastics plate, sheet (except packaging), and shape manufacturing	326130	0.03	0.05	1.32	0.68
Polystyrene foam product mfg	32614	0.20	0.19	5.85	1.30
Polystyrene foam product manufacturing	326140	0.20	0.19	5.85	1.30
Foam product (ex polystyrene) mfg	32615	0.17	0.28	4.88	3.23
Urethane and other foam product mfg.	326150	0.17	0.28	4.88	3.23
Plastics bottle mfg	32616	0.84	0.51	6.81	1.43
Plastics bottle manufacturing	326160	0.84	0.51	6.81	1.43
Other plastics product mfg	32619	0.22	0.18	3.12	0.78
Plastics plumbing fixture manufacturing	326191	0.24	0.14	2.96	0.97
All other plastics product manufacturing	326199	0.23	0.18	3.14	0.80
Rubber product mfg	3262	0.17	0.15	1.73	0.42
Tire mfg	32621	0.18	0.31	1.32	0.70
Tire manufacturing, except retreading	326211	0.18	0.31	1.33	0.70
Rubber and plastics hose and belting	32622	0.12	0.15	3.40	0.88
Rubber and plastics hose and belting mfg.	326220	0.12	0.15	3.40	0.88
Other rubber product mfg	32629	0.19	0.11	1.18	0.59
Rubber product mfg. for mechanical use	326291	0.17	0.22	0.44	1.18
All other rubber product manufacturing	326299	0.19	0.13	1.69	0.68
Nonmetallic mineral product manufacturing	327	0.17	0.14	3.43	0.33
Clay product and refractory manufacturing	3271	0.25	0.30	2.73	0.70
Pottery, ceramics, and plumbing fixture mfg	32711	0.12	0.10	2.42	0.96
Pottery, ceramics, and plumbing fixture mfg.	327110	0.12	0.10	2.41	0.95
Clay building material and refractories mfg	32712	0.36	0.43	2.87	0.91
Clay building material and refractories mfg.	327120	0.36	0.43	2.85	0.91
Glass and glass product manufacturing	3272	0.12	0.10	4.30	0.56
Glass and glass product manufacturing	32721	0.12	0.10	4.30	0.56
Flat glass manufacturing	327211	0.24	0.33	7.13	1.56
Other pressed and blown glass and glassware	327212	0.01	0.01	14.61	2.51
Glass container manufacturing	327213	0.04	0.04	2.31	0.63
Glass product mfg. made of purchased glass	327215	0.18	0.13	1.30	0.70
Cement and concrete product manufacturing	3273	0.22	0.30	3.59	0.64
Cement manufacturing	32731	0.22	0.15	2.44	1.07
Cement manufacturing	327310	0.22	0.15	2.44	1.07
Ready-mix concrete manufacturing	32732	0.31	0.51	4.02	1.20
Ready-mix concrete manufacturing	327320	0.31	0.51	4.02	1.20
Concrete pipe, brick, and block manufacturing	32733	0.31	0.32	2.02	0.54
Concrete block and brick manufacturing	327331	0.29	0.28	2.49	0.78
Concrete pipe manufacturing	327332	0.62	0.70	1.21	0.81
Other concrete product manufacturing	32739	0.39	0.31	4.12	1.33
Other concrete product manufacturing	327390	0.39	0.32	4.12	1.32
Lime and gypsum product manufacturing	3274	0.89	0.46	5.06	0.92
Lime manufacturing	32741	0.61	0.68	3.02	0.96
Lime manufacturing	327410	0.61	0.68	3.02	0.96
Gypsum product manufacturing	32742	1.25	0.56	6.06	1.26
Gypsum product manufacturing	327420	1.26	0.56	6.03	1.26
Other nonmetallic mineral products	3279	0.30	0.20	1.93	0.50
Abrasive product manufacturing	32791	0.16	0.14	1.81	1.08

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Abrasive product manufacturing	327910	0.16	0.14	1.81	1.09
All other nonmetallic mineral product mfg	32799	0.34	0.23	1.88	0.55
Cut stone and stone product manufacturing	327991	0.44	0.46	3.08	1.45
Ground or treated minerals and earths mfg.	327992	0.15	0.14	1.16	1.23
Mineral wool manufacturing	327993	0.39	0.35	2.19	1.12
All other miscellaneous nonmetallic mineral product manufacturing	327999	0.06	0.13	0.68	1.06
Primary metal mfg	331	0.93	0.34	11.49	1.66
Iron & steel mills & ferroalloy mfg	3311	1.84	0.76	12.31	4.00
Iron & steel mills & ferroalloy mfg	33111	1.84	0.76	12.31	4.00
Iron and steel mills and ferroalloy mfg	331110	1.83	0.75	12.30	4.00
Steel product mfg from purchased steel	3312	2.05	0.63	18.09	2.27
Iron & steel pipe and tube mfg from purchased steel	33121	2.72	1.05	19.14	4.30
Iron and steel pipe and tube manufacturing from purchased steel	331210	2.72	1.05	19.18	4.29
Rolling & drawing of purchased steel	33122	1.61	0.51	17.07	1.32
Rolled steel shape mfg	331221	1.00	0.65	14.52	1.88
Steel wire drawing	331222	2.15	0.64	19.76	1.76
Alumina & aluminum production & processing	3313	1.41	0.27	11.20	0.60
Alumina & aluminum production & processing	33131	1.41	0.27	11.20	0.60
Alumina refining and primary aluminum production	331313	2.75	0.00		
Secondary smelting and alloying of aluminum	331314	1.01	0.38	10.56	1.41
Aluminum sheet, plate, and foil mfg	331315	1.62	0.48	11.27	1.15
Other aluminum rolling, drawing, and extruding	331318	1.00	0.17	10.88	0.91
Nonferrous (exc alum) production & processing	3314	1.08	0.47	9.38	1.20
Nonferrous metal (except aluminum) smelting and refining	33141	0.70	0.49	7.82	3.13
Nonferrous metal (except aluminum) smelting and refining	331410	0.70	0.49	7.00	2.69
Copper rolling/drawing/extruding & alloying	33142	1.39	0.86	10.30	1.51
Copper rolling, drawing, extruding, and alloying	331420	1.39	0.86	10.27	1.51
Other nonferrous roll/draw/extruding/alloying	33149	0.89	0.48	8.58	2.00
Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	331491	0.98	0.62	6.23	1.80
Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	331492	1.69	0.67	10.92	3.01
Foundries	3315	0.11	0.14	2.70	0.57
Ferrous metal foundries	33151	0.17	0.23	2.87	0.85
Iron foundries	331511	0.15	0.23	3.65	1.10
Steel investment foundries	331512	0.11	0.14	3.70	1.37
Steel foundries, except investment	331513	0.17	0.16	2.89	1.78
Nonferrous metal foundries	33152	0.19	0.13	3.27	0.74
Nonferrous metal die-casting foundries	331523	0.30	0.13	3.98	0.63
Aluminum foundries, except die-casting	331524	0.21	0.10	1.47	2.19
Other nonferrous metal foundries, except die-casting	331529	0.36	0.25	3.70	1.27
Fabricated metal product mfg	332	0.41	0.17	4.61	0.49
Forging & stamping	3321	0.18	0.26	1.64	0.97
Forging & stamping	33211	0.18	0.26	1.64	0.97
Iron and steel forging	332111	0.27	0.51	0.61	1.92
Nonferrous forging	332112	0.27	0.50	0.55	5.02
Custom roll forming	332114	0.71	0.52	2.66	1.63
Powder metallurgy part mfg	332117	0.14	0.12	0.91	0.89
Other metal stamping, except automotive	332119	0.15	0.18	2.97	0.92
Cutlery & handtool mfg	3322	0.11	0.08	1.39	0.30
Cutlery & handtool mfg	33221	0.11	0.08	1.39	0.30
Metal cookware, cutlery, and flatware mfg	332215	0.14	0.12	1.16	0.35
Saw blade, handsaw, and hand and edge tool mfg	332216	0.13	0.10	1.45	0.42
Architectural & structural metals mfg	3323	0.68	0.33	8.89	1.64
Plate work & fabricated structural prod mfg	33231	1.25	0.59	10.20	2.92
Prefabricated metal buildings and components mfg	332311	0.82	0.72	11.65	2.34
Fabricated structural metal mfg	332312	1.63	0.84	11.87	4.18
Plate work mfg	332313	0.15	1.03	1.86	3.10
Ornamental & architectural metal prod mfg	33232	0.62	0.29	7.00	1.57
Metal window and door mfg	332321	0.66	0.28	7.16	1.37

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Sheet metal work mfg	332322	0.42	0.46	5.56	2.57
Ornamental and architectural metal work mfg	332323	0.43	0.36	9.51	1.73
Boiler, tank & shipping container mfg	3324	0.60	0.34	8.02	1.02
Power boiler & heat exchanger mfg	33241	0.22	0.19	6.01	2.48
Power boiler and heat exchanger mfg	332410	0.22	0.19	6.01	2.48
Metal tank (heavy gauge) mfg	33242	0.59	0.67	9.97	1.87
Metal tank, heavy gauge, mfg	332420	0.59	0.67	9.96	1.87
Light gauge metal container mfg	33243	0.59	0.33	7.01	1.06
Metal can mfg	332431	0.38	0.36	6.78	0.99
Other metal container mfg	332439	1.00	0.61	11.06	3.19
Hardware mfg	3325	0.28	0.29	2.06	0.66
Hardware mfg	33251	0.28	0.29	2.06	0.66
Hardware mfg	332510	0.28	0.29	2.06	0.66
Spring & wire product mfg	3326	0.55	0.33	5.56	1.48
Spring & wire product mfg	33261	0.55	0.33	5.56	1.48
Spring mfg	332613	0.36	0.58	8.13	3.09
Other fabricated wire product mfg	332618	0.47	0.37	4.03	1.27
Mach shops, turn prod, screw, nut, bolt mfg	3327	0.13	0.10	1.67	1.09
Machine shops	33271	0.03	0.05	1.77	1.76
Machine shops	332710	0.03	0.05	1.77	1.76
Turned product & screw, nut & bolt mfg	33272	0.31	0.19	1.51	0.80
Precision turned product mfg	332721	0.16	0.21	2.05	0.77
Bolt, nut, screw, rivet, and washer mfg	332722	0.38	0.32	1.85	1.22
Coating/engrave/heat treating & other activity	3328	0.29	0.26	2.28	0.94
Coating/engrave/heat treating & other activity	33281	0.29	0.26	2.28	0.94
Metal heat treating	332811	0.01	0.05	2.82	1.78
Metal coating and nonprecious engraving	332812	0.31	0.41	1.32	1.60
Electroplating, anodizing and coloring metal	332813	0.34	0.43	2.65	1.42
Other fabricated metal product mfg	3329	0.28	0.15	3.28	0.38
Metal valve mfg	33291	0.28	0.10	3.66	0.54
Industrial valve mfg	332911	0.25	0.16	3.96	0.98
Fluid power valve and hose fitting mfg	332912	0.12	0.14	1.73	0.80
Plumbing fixture fitting and trim mfg	332913	0.02	0.08	3.23	0.90
Other metal valve and pipe fitting mfg	332919	0.38	0.47	4.01	1.89
All other fabricated metal product mfg	33299	0.23	0.28	2.98	0.57
Ball and roller bearing mfg	332991	0.21	0.18	3.31	0.39
Small arms ammunition mfg	332992	0.04	0.10	2.98	1.38
Fabricated pipe and pipe fitting mfg	332996	0.54	0.67	4.09	1.36
Miscellaneous fabricated metal product mfg	332999	0.37	0.29	3.58	1.19
Small arms, ordnance, and ordnance accessories mfg	33299T	0.07	0.08	0.51	0.63
Machinery manufacturing	333	0.26	0.06	1.83	0.20
Agricultural, construction, and mining machinery mfg	3331	0.23	0.10	0.51	0.38
Agricultural implement manufacturing	33311	0.19	0.11	1.02	0.39
Farm machinery and equipment mfg	333111	0.19	0.13	1.07	0.47
Lawn and garden equipment mfg	333112	0.09	0.07	0.96	0.55
Construction machinery manufacturing	33312	0.12	0.10	0.99	0.76
Construction machinery mfg	333120	0.12	0.10	0.99	0.76
Mining and oil and gas field machinery mfg	33313	0.06	0.07	1.23	0.54
Mining machinery and equipment mfg	333131	0.05	0.06	2.64	0.55
Oil and gas field machinery and equipment mfg	333132	0.04	0.06	0.83	0.67
Industrial machinery manufacturing	3332	0.15	0.07	1.67	0.40
Other industrial machinery manufacturing	33324	0.15	0.07	1.67	0.40
Food product machinery mfg	333241	0.21	0.15	3.17	0.84
Semiconductor machinery mfg	333242	0.00	0.00	1.20	0.60
Sawmill, woodworking and paper machinery mfg	333243	0.20	0.12	2.75	0.68
Printing machinery and equipment mfg	333244	0.20	0.16	0.69	0.49
Other industrial machinery mfg	333249	0.11	0.15	1.35	0.81
Commercial and service industry machinery	3333	0.22	0.11	0.84	0.26
Commercial and service industry machinery	33331	0.22	0.11	0.84	0.26

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Optical instrument and lens mfg	333314	0.03	0.03	0.57	0.35
Photographic and photocopying equipment mfg	333316	0.00	0.00	0.43	0.56
Other commercial and service industry machinery mfg	333318	0.30	0.14	1.01	0.33
HVAC and commercial refrigeration equipment	3334	0.27	0.17	5.04	0.90
HVAC and commercial refrigeration equipment	33341	0.27	0.17	5.04	0.90
Fan, blower, air purification equipment mfg	333413	0.26	0.17	4.46	0.87
Heating equipment (except warm air furnaces) mfg	333414	0.20	0.17	2.85	0.81
Air-conditioning, refrigeration, and forced air heating equipment mfg	333415	0.26	0.23	5.57	1.20
Metalworking machinery manufacturing	3335	0.19	0.16	1.62	0.96
Metalworking machinery manufacturing	33351	0.19	0.16	1.85	0.81
Industrial mold mfg	333511	0.11	0.10	0.97	3.46
Special tool, die, jig, and fixture mfg	333514	0.33	0.27	2.82	1.42
Cutting tool and machine tool accessory mfg	333515	0.19	0.12	2.11	0.51
Machine tool mfg	333517	0.17	0.19	0.67	0.50
Rolling mill and other metalworking machinery mfg	333519	0.09	0.15	3.35	1.33
Turbine and power transmission equipment mfg	3336	0.24	0.29	1.10	0.82
Turbine and power transmission equipment mfg	33361	0.24	0.29	1.10	0.82
Turbine and turbine generator set units mfg	333611	0.58	0.91	1.85	3.13
Speed changer, drive, and gear mfg	333612	0.13	0.17	4.05	1.18
Mechanical power transmission equipment mfg	333613	0.21	0.10	1.93	1.03
Other engine equipment mfg	333618	0.04	0.05	1.25	0.35
Other general purpose machinery manufacturing	3339	0.30	0.07	2.81	0.32
Pump and compressor manufacturing	33391	0.34	0.16	3.27	1.01
Air and gas compressor mfg	333912	0.44	0.28	3.96	1.02
Measuring, dispensing, and other pumping equipment mfg	333914	0.33	0.14	3.10	0.69
Material handling equipment manufacturing	33392	0.29	0.10	2.89	0.40
Elevator and moving stairway mfg	333921	0.11	0.08	2.23	0.78
Conveyor and conveying equipment mfg	333922	0.24	0.18	2.98	0.81
Overhead cranes, hoists and monorail systems mfg	333923	0.10	0.10	3.06	0.42
Industrial truck, trailer, and stacker mfg	333924	0.28	0.17	2.80	0.69
All other general purpose machinery mfg	33399	0.23	0.12	2.47	0.39
Power-driven handtool mfg	333991	0.00	0.01	1.93	0.99
Welding and soldering equipment mfg	333992	0.15	0.23	5.15	1.43
Packaging machinery mfg	333993	0.35	0.42	2.04	0.99
Industrial process furnace and oven mfg	333994	0.21	0.15	1.88	0.69
Fluid power cylinder and actuator mfg	333995	0.36	0.33	4.49	1.46
Fluid power pump and motor mfg	333996	0.15	0.20	1.31	0.56
Scale and balance mfg	333997	0.01	0.01	5.26	1.61
All other miscellaneous general purpose machinery mfg	333999	0.15	0.15	1.17	0.53
Computer & electronic product mfg	334	0.08	0.09	0.34	0.45
Computer & peripheral equipment mfg	3341	0.41	0.31	0.51	0.67
Computer & peripheral equipment mfg	33411	0.41	0.31	0.51	0.67
Electronic computer manufacturing	334111	1.00	0.69	2.30	1.26
Computer storage device mfg	334112	0.01	0.01	0.33	3.28
Computer terminal and other computer peripheral equipment mfg	334118	0.02	0.03	0.39	0.38
Communications equipment mfg	3342	0.08	0.11	0.69	0.56
Telephone apparatus mfg	33421	0.05	0.09	0.52	0.53
Telephone apparatus mfg	334210	0.05	0.09	0.52	0.52
Radio/TV broadcast & wireless comm equip mfg	33422	0.03	0.09	0.95	0.84
Broadcast and wireless communications equipment mfg	334220	0.03	0.09	0.96	0.84
Other communications equipment mfg	33429	0.00	0.00	0.40	0.94
Other communications equipment mfg	334290	0.00	0.00	0.40	0.94
Audio & video equipment mfg	3343	0.12	0.21	0.41	0.71
Audio and video equipment mfg	33431	0.12	0.21	0.41	0.71
Audio and video equipment mfg	334310	0.12	0.21	0.42	0.71
Semiconductor and other electronic component mfg	3344	0.27	0.18	1.74	1.12
Semiconductor and other electronic component mfg	33441	0.27	0.18	1.73	1.12
Bare printed circuit board mfg	334412	0.00	0.00	0.03	0.04
Semiconductors and related device mfg	334413	0.31	0.33	4.33	2.19

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Electronic connector mfg	334417	0.29	0.24	2.26	0.87
Printed circuit assembly mfg	334418	0.01	0.04	0.75	1.05
Other electronic component mfg	334419	0.15	0.16	2.38	0.97
Capacitor, resistor, coil, transformer, and other inductor mfg	33441K	0.20	0.14	5.86	3.30
Nav/measuring/medical/control instruments mfg	3345	0.08	0.08	1.80	0.59
Nav/measuring/medical/control instruments mfg	33451	0.08	0.08	1.80	0.59
Electromedical apparatus mfg	334510	0.05	0.07	0.55	0.66
Search, detection, and navigation instruments	334511	0.05	0.06	4.07	1.67
Automatic environmental control mfg	334512	0.05	0.07	4.61	1.93
Industrial process variable instruments	334513	0.30	0.29	1.77	0.65
Totalizing fluid meters and counting devices	334514	0.10	0.14	3.08	0.47
Electricity and signal testing instruments mfg	334515	0.07	0.07	1.98	1.18
Analytical laboratory instrument mfg	334516	0.00	0.00	1.18	0.41
Irradiation apparatus mfg	334517	0.00	0.00	0.15	0.62
Other measuring and controlling device mfg	334519	0.03	0.02	1.09	0.47
Manufacturing and reproducing magnetic and optical media	3346	0.00	0.01	0.00	0.02
Manufacturing and reproducing magnetic and optical media	33461	0.00	0.01	0.00	0.02
Software and other prerecorded compact disc, tape, and record reproducing	334614	0.00	0.01	0.00	0.03
Electrical equipment and appliance mfg	335	0.24	0.12	4.47	0.96
Electric lighting equipment mfg	3351	0.39	0.17	2.31	1.11
Electric lamp bulb & part mfg	33511	1.21	0.68	4.35	3.85
Electric lamp bulb and part mfg	335110	1.22	0.68	4.35	3.86
Lighting fixture mfg	33512	0.22	0.15	2.32	1.13
Residential electric lighting fixture mfg	335121	0.05	0.08	2.30	0.51
Nonresidential electric lighting fixture mfg	335122	0.09	0.12	3.31	2.33
Other lighting equipment mfg	335129	0.08	0.15	1.44	0.83
Household appliance mfg	3352	0.35	0.19	3.20	0.60
Small electrical appliance mfg	33521	0.17	0.21	1.21	0.65
Small electrical appliance mfg	335210	0.17	0.21	1.21	0.65
Major household appliance mfg	33522	0.36	0.23	3.37	0.72
Major household appliance mfg	335220	0.36	0.23	3.38	0.72
Electrical equipment mfg	3353	0.22	0.09	2.28	0.35
Electrical equipment mfg	33531	0.22	0.09	2.28	0.35
Electric power and specialty transformer mfg	335311	0.21	0.12	5.04	0.71
Motor and generator mfg	335312	0.11	0.05	2.15	0.50
Switchgear and switchboard apparatus mfg	335313	0.21	0.17	2.15	0.86
Relay and industrial control mfg	335314	0.09	0.10	1.14	0.58
Other electrical equipment & component mfg	3359	0.18	0.20	6.70	2.18
Battery mfg	33591	0.61	0.43	6.09	1.17
Storage battery mfg	335911	0.22	0.16	7.26	1.00
Primary battery mfg	335912	0.58	0.97	5.04	2.91
Communication & energy wire & cable mfg	33592	0.60	0.56	2.44	2.46
Fiber optic cable mfg	335921	0.00	0.00	0.24	0.50
Other communication and energy wire mfg	335929	0.70	0.69	2.63	2.79
Wiring device mfg	33593	0.29	0.20	2.29	0.44
Current-carrying wiring device mfg	335931	0.27	0.27	1.37	0.72
Noncurrent-carrying wiring device mfg	335932	0.19	0.20	3.39	0.53
All other electrical equipment & component mfg	33599	0.18	0.16	15.79	7.96
Carbon and graphite product mfg	335991	0.01	0.01	61.83	35.52
Miscellaneous electrical equipment mfg	335999	0.28	0.25	1.92	1.98
Transportation equipment manufacturing	336	0.08	0.06	1.47	0.18
Motor vehicle manufacturing	3361	0.15	0.11	0.78	0.30
Automobile and light truck manufacturing	33611	0.18	0.12	0.69	0.33
Automobile, light truck and utility vehicle mfg	336110	0.18	0.12	0.69	0.33
Heavy duty truck manufacturing	33612	0.12	0.10	1.08	0.49
Heavy duty truck mfg	336120	0.12	0.10	1.08	0.49
Motor vehicle body and trailer manufacturing	3362	0.40	0.10	3.85	0.38
Motor vehicle body and trailer manufacturing	33621	0.40	0.10	3.85	0.38

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Motor vehicle body mfg	336211	0.35	0.12	2.50	0.38
Truck trailer mfg	336212	0.67	0.19	4.64	0.62
Motor home mfg	336213	0.10	0.07	2.45	0.32
Travel trailer and camper mfg	336214	0.19	0.12	4.28	0.72
Motor vehicle parts manufacturing	3363	0.08	0.09	1.31	0.46
Motor vehicle gasoline engine and parts mfg	33631	0.05	0.10	0.37	0.24
Motor vehicle gasoline engine and engine parts mfg	336310	0.05	0.10	0.37	0.24
Motor vehicle electric equipment	33632	0.06	0.07	0.28	0.31
Motor vehicle electrical and electronic equipment mfg	336320	0.06	0.07	0.28	0.31
Motor vehicle steering and suspension parts	33633	0.08	0.09	0.46	0.50
Motor vehicle steering and suspension components (except spring) manufacturing	336330	0.08	0.09	0.46	0.50
Motor vehicle brake system manufacturing	33634	0.30	0.26	2.16	0.77
Motor vehicle brake system mfg	336340	0.30	0.26	2.16	0.77
Motor vehicle power train components mfg	33635	0.00	0.03	0.91	0.50
Motor vehicle transmission and power train parts manufacturing	336350	0.00	0.03	0.91	0.50
Motor vehicle seating and interior trim mfg	33636	0.05	0.04	0.82	0.43
Motor vehicle seating and interior trim mfg	336360	0.05	0.04	0.82	0.43
Motor vehicle metal stamping	33637	0.18	0.25	0.82	0.71
Motor vehicle metal stamping	336370	0.18	0.25	0.82	0.71
Other motor vehicle parts manufacturing	33639	0.13	0.23	3.07	1.53
Other motor vehicle parts mfg	336390	0.13	0.23	3.08	1.54
Aerospace product and parts manufacturing	3364	0.12	0.04	1.83	0.33
Aerospace product and parts manufacturing	33641	0.12	0.04	1.83	0.33
Aircraft mfg	336411	0.09	0.03	2.03	0.37
Aircraft engine and engine parts mfg	336412	0.05	0.07	1.79	0.63
Other aircraft parts and equipment mfg	336413	0.12	0.15	0.98	0.96
Railroad rolling stock manufacturing	3365	0.03	0.15	0.43	0.93
Railroad rolling stock manufacturing	33651	0.03	0.15	0.43	0.93
Railroad rolling stock mfg	336510	0.03	0.15	0.43	0.93
Ship and boat building	3366	0.10	0.07	1.72	0.63
Ship and boat building	33661	0.10	0.07	1.72	0.63
Ship building and repairing	336611	0.03	0.04	1.09	0.79
Boat building	336612	0.15	0.08	2.82	0.38
Other transportation equipment manufacturing	3369	0.05	0.06	0.29	0.30
Other transportation equipment manufacturing	33699	0.05	0.06	0.29	0.30
Motorcycle, bicycle, and parts mfg	336991	0.00	0.00	0.31	0.45
All other transportation equipment mfg	336999	0.03	0.07	0.54	0.40
Furniture & related product mfg	337	0.31	0.17	2.74	0.43
HH & institutional furniture & kitchen cabinet mfg	3371	0.09	0.14	1.83	0.40
Wood kitchen cabinet & countertop mfg	33711	0.08	0.09	1.09	0.79
Wood kitchen cabinet and countertop mfg	337110	0.08	0.09	1.09	0.79
Household & institutional furniture mfg	33712	0.15	0.18	2.23	0.45
Upholstered household furniture mfg	337121	0.14	0.20	3.41	0.70
Nonupholstered wood household furniture mfg	337122	0.21	0.17	1.20	0.41
Metal household furniture mfg	337124	0.69	0.44	1.64	0.81
Institutional furniture mfg	337127	0.14	0.09	0.98	0.78
Office furniture (including fixtures) mfg	3372	0.59	0.39	4.03	0.91
Office furniture (including fixtures) mfg	33721	0.59	0.39	4.03	0.91
Wood office furniture mfg	337211	0.22	0.11	2.43	0.63
Custom architectural woodwork and millwork	337212	0.12	0.11	3.74	1.40
Office furniture, except wood, mfg	337214	0.80	0.71	3.33	1.23
Showcases, partitions, shelving, and lockers mfg	337215	0.39	0.74	6.29	2.14
Other furniture related product mfg	3379	0.49	0.48	3.94	1.02
Mattress mfg	33791	0.40	0.59	4.77	1.27
Mattress mfg	337910	0.40	0.59	4.76	1.27
Blind & shade mfg	33792	0.00	0.00	2.01	1.85
Blind and shade mfg	337920	0.00	0.00	2.01	1.85

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Miscellaneous mfg	339	0.13	0.10	1.14	0.32
Medical equipment & supplies mfg	3391	0.11	0.12	1.04	0.49
Medical equipment & supplies mfg	33911	0.11	0.12	1.04	0.49
Surgical and medical instrument mfg	339112	0.14	0.17	0.50	0.48
Surgical appliance and supplies mfg	339113	0.10	0.20	1.09	0.95
Dental equipment and supplies mfg	339114	0.74	0.53	2.84	1.08
Ophthalmic goods mfg	339115	0.18	0.43	2.31	1.49
Other miscellaneous mfg	3399	0.19	0.13	1.29	0.38
Jewelry & silverware mfg	33991	0.19	0.19	0.90	1.01
Jewelry and silverware mfg	339910	0.19	0.19	0.90	1.01
Sporting & athletic goods mfg	33992	0.12	0.10	1.16	1.10
Sporting and athletic goods mfg	339920	0.12	0.10	1.20	1.09
Doll, toy & game mfg	33993	0.02	0.10	1.96	1.13
Doll, toy, and game mfg	339930	0.02	0.10	1.95	1.13
Office supplies (exc paper) mfg	33994	0.06	0.09	1.56	0.64
Office supplies, except paper, mfg	339940	0.06	0.09	1.56	0.63
Sign mfg	33995	0.27	0.21	2.67	1.18
Sign mfg	339950	0.27	0.21	2.67	1.18
All other misc mfg	33999	0.22	0.16	1.35	0.52
Gasket, packing, and sealing device mfg	339991	0.15	0.09	2.23	0.53
Musical instrument mfg	339992	0.07	0.06	3.57	0.48
Fastener, button, needle, and pin mfg	339993	0.59	0.70	1.13	0.85
Broom, brush, and mop mfg	339994	0.06	0.05	1.15	0.27
Burial casket mfg	339995	0.02	0.02	3.45	0.32
All other miscellaneous mfg	339999	0.33	0.29	0.60	1.00
Services					
Merchant wholesalers, durable goods	423	0.41	0.56	2.89	1.43
Merchant wholesalers, durable goods	423000	0.41	0.56	2.90	1.44
Merchant wholesalers, nondurable goods	424	0.38	1.05	1.25	2.40
Merchant wholesalers, nondurable goods	424000	0.38	1.05	1.25	2.40
Material recyclers	429930	1.53	0.81	8.75	1.95
Motor vehicle and parts dealers	441	0.41	0.29	2.52	0.89
Automobile dealers	4411	0.56	0.36	2.36	0.98
New car dealers	44111	0.56	0.36	2.36	0.98
New car dealers	441110	0.56	0.36	2.37	0.98
Recreational vehicle dealers	44121	0.00	0.00	1.24	4.64
Recreational vehicle dealers	441210	0.00	0.00	1.24	4.64
Boat dealers	441222	0.17	0.23	1.44	1.90
Automotive parts, accessories and tire stores	4413	0.30	0.48	3.57	2.60
Automotive parts and accessories stores	44131	0.49	0.51	5.65	3.97
Automotive parts and accessories stores	441310	0.49	0.51	5.65	3.97
Tire dealers	44132	0.24	0.62	0.71	1.26
Tire dealers	441320	0.24	0.62	0.71	1.26
Furniture and home furnishings stores	442	0.56	0.73	3.77	3.07
Furniture stores	4421	0.38	0.79	1.54	2.11
Furniture stores	44211	0.38	0.79	1.54	2.11
Furniture stores	442110	0.38	0.79	1.54	2.11
Floor covering stores	44221	0.99	0.78	6.54	5.87
Floor covering stores	442210	0.99	0.78	6.54	5.87
Electronics and appliance stores	443	1.51	2.23	2.74	3.91
Electronics and appliance stores	4431	1.51	2.23	2.72	3.90
Electronics and appliance stores	44314	1.51	2.23	2.72	3.90
Household appliance stores	443141	1.67	1.66	6.73	6.64
Electronics stores	443142	1.82	2.63	3.03	4.23

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Building material and garden equipment and supply dealers	444	1.02	1.01	4.74	2.49
Building material and supplies dealers	4441	0.88	1.05	5.57	2.52
Home centers	44411	1.08	1.30	2.00	2.46
Home centers	444110	1.08	1.30	2.00	2.46
Paint and wallpaper stores	44412	1.36	0.95	2.45	1.26
Paint and wallpaper stores	444120	1.36	0.95	2.45	1.26
Hardware stores	44413	1.16	0.89	5.12	2.25
Hardware stores	444130	1.16	0.89	5.12	2.25
Other building material dealers	44419	1.83	1.86	11.29	5.33
Other building material dealers	444190	1.83	1.86	11.29	5.33
Lawn and garden equip and supplies stores	4442	2.99	3.51	5.02	6.16
Nursery, garden and farm supply stores	44422	2.99	3.51	5.02	6.16
Nursery, garden, and farm supply stores	444220	2.99	3.51	5.02	6.16
Food and beverage stores	445	1.29	0.82	3.44	1.27
Grocery stores	4451	1.51	0.91	3.43	1.45
Grocery (except convenience) stores	44511	1.51	0.91	3.43	1.45
Supermarkets and other grocery stores	445110	1.51	0.91	3.43	1.45
Specialty food stores	4452	0.44	0.88	2.92	2.97
Specialty food stores	445200	0.44	0.88	2.92	2.97
Beer, wine, and liquor stores	4453	0.87	1.00	2.66	2.57
Beer, wine, and liquor stores	44531	0.87	1.00	2.66	2.57
Beer, wine, and liquor stores	445310	0.87	1.00	2.66	2.57
Health and personal care stores	446	0.91	1.44	1.00	2.27
Health and personal care stores	4461	0.91	1.44	1.00	2.27
Pharmacies and drug stores	44611	0.89	1.56	3.69	2.61
Pharmacies and drug stores	446110	0.89	1.56	3.69	2.61
Optical goods stores	44613	1.41	2.04	7.54	3.13
Optical goods stores	446130	1.41	2.04	7.54	3.13
Food (health) supplement stores	446191	0.83	1.64	2.45	6.60
Gasoline stations	447	4.14	3.35	5.18	4.15
Gasoline stations	4471	4.14	3.35	5.18	4.15
Gasoline stations with convenience stores	44711	6.81	4.13	7.15	4.71
Gasoline stations with convenience stores	447110	6.83	4.13	7.17	4.71
Other gasoline stations	44719	3.68	4.60	6.15	5.06
Other gasoline stations	447190	3.70	4.61	6.15	5.06
Clothing and clothing accessories stores	448	2.64	1.29	1.71	1.51
Clothing stores	4481	3.21	1.79	1.99	1.92
Clothing stores	44810	3.21	1.79	1.99	1.92
Clothing stores	448100	3.21	1.79	1.99	1.92
Shoe stores	4482	3.00	1.57	3.26	2.85
Shoe stores	44821	3.00	1.57	3.26	2.85
Shoe stores	448210	3.00	1.57	3.26	2.85
Jewelry, luggage and leather goods stores	4483	1.47	1.19	0.73	1.47
Jewelry stores	44831	1.52	1.22	0.70	1.51
Jewelry stores	448310	1.52	1.22	0.70	1.51
Sporting goods, hobby, and book stores	451	1.08	1.66	1.87	2.18
Sporting goods and hobby stores	4511	1.30	2.02	2.74	2.66
Sporting goods stores	45111	2.29	2.93	2.62	3.43
Sporting goods stores	451110	2.29	2.93	2.62	3.43
Hobby, toy and game stores	45112	0.03	0.04	4.23	3.91
Hobby, toy, and game stores	451120	0.03	0.04	4.23	3.91
Book, periodical and music stores	4512	1.34	1.41	1.75	1.79
Book stores and news dealers	45121	1.34	1.41	1.75	1.79
Book stores	451211	1.34	1.41	1.75	1.79

Table 3. Variance estimates for selected Producer Price Index industry-based 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
General merchandise stores	452	2.30	1.11	1.02	3.02
Department stores	4522	6.46	2.62	2.42	4.14
Department stores	45221	6.46	2.62	2.42	4.14
Department stores	452210	6.47	2.63		
Other general merchandise stores	4523	0.83	1.05	0.78	2.36
Other general merchandise stores	45231	0.84	1.05	0.78	2.37
Other general merchandise stores	452310	0.83	1.05	0.78	2.36
Office supplies, stationery and gift stores	4532	1.14	1.35	1.12	3.64
Office supplies and stationery stores	45321	1.08	0.87	3.73	6.47
Office supplies and stationery stores	453210	1.08	0.87	3.73	6.47
Gift, novelty and souvenir stores	45322	1.37	1.34	1.50	1.70
Gift, novelty, and souvenir stores	453220	1.37	1.34	1.50	1.70
Manufactured (mobile) home dealers	45393	0.00	0.00	0.65	1.03
Manufactured (mobile) home dealers	453930	0.00	0.00	0.65	1.03
Nonstore retailers	454	0.59	1.10	3.43	2.22
Electronic and mail-order shopping	454110	1.09	0.97	1.70	1.73
Vending machine operators	4542	0.00	0.00	4.41	2.63
Vending machine operators	45421	0.00	0.00	4.41	2.63
Vending machine operators	454210	0.00	0.00	4.41	2.63
Fuel dealers	45431	2.72	2.80	8.35	6.17
Fuel dealers	454310	2.72	2.80	8.35	6.17
Air transportation	481	1.96	0.58	3.26	0.84
Scheduled air transportation	4811	2.25	0.63	3.61	0.92
Scheduled air transportation	48111	2.25	0.63	3.61	0.92
Scheduled passenger air transportation	481111	2.35	0.67	3.58	0.99
Scheduled freight air transportation	481112	0.74	1.25	2.26	2.90
Nonscheduled air transportation	4812	0.63	0.64	1.15	1.49
Nonscheduled air transportation	48121	0.63	0.64	1.15	1.49
Nonscheduled air passenger chartering	481211	0.81	0.89	0.43	1.62
Nonscheduled air freight chartering	481212	0.50	0.55	5.12	3.08
Rail transportation	482	0.37	0.13	5.84	0.49
Rail transportation	4821	0.37	0.13	5.84	0.49
Rail transportation	48211	0.37	0.13	5.84	0.49
Line-haul railroads	482111	0.37	0.13	5.84	0.49
Water transportation	483	0.47	0.32	6.37	1.81
Deep sea freight transportation	483111	0.62	0.55	12.10	3.30
Coastal and Great Lakes freight transport.	483113	0.48	0.76	2.88	1.66
Inland water transportation	4832	0.24	0.37	2.12	1.80
Inland water transportation	48321	0.24	0.37	2.12	1.80
Inland water freight transportation	483211	0.24	0.37	2.12	1.81
Truck transportation	484	0.59	0.21	6.78	0.76
General freight trucking	4841	0.60	0.29	7.99	1.03
General freight trucking, local	48411	0.53	0.49	9.14	2.27
General freight trucking, local	484110	0.53	0.49	9.14	2.27
General freight trucking, long-distance	48412	0.66	0.31	7.85	1.04
General freight trucking, long-distance TL	484121	0.65	0.40	8.44	1.50
General freight trucking, long-distance LTL	484122	0.44	0.20	6.99	1.27
Specialized freight trucking	4842	0.35	0.27	3.85	0.88
Used household and office goods moving	48421	0.20	0.22	3.55	2.50
Used household and office goods moving	484210	0.20	0.22	3.54	2.50
Specialized freight (except used) trucking, local	48422	0.24	0.26	2.72	1.10
Specialized freight (except used goods) trucking, local	484220	0.24	0.26	2.72	1.10
Specialized freight (except used) trucking, long-distance	48423	0.36	0.29	5.10	1.58

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Specialized freight (except used goods) trucking, long-distance	484230	0.36	0.29	5.10	1.58
Pipeline transportation of crude oil	4861	0.02	0.01	1.38	0.69
Pipeline transportation of crude oil	48611	0.02	0.01	1.38	0.69
Pipeline transportation of crude oil	486110	0.02	0.01	1.38	0.69
Other pipeline transportation	4869	0.00	0.00	1.86	0.58
Pipeline transportation of refined petroleum products	48691	0.00	0.00	1.86	0.58
Refined petroleum product pipeline transport.	486910	0.00	0.00	1.86	0.58
Transportation support activities	488	0.26	0.13	2.27	0.85
Air transportation support activities	4881	0.43	0.25	2.25	0.72
Airport operations	48811	0.49	0.41	1.93	1.02
Other airport operations	488119	0.49	0.41	1.93	1.02
Other air transportation support activities	48819	0.21	0.18	2.86	1.12
Other support activities for air transport.	488190	0.21	0.18	2.86	1.12
Water transportation support activities	4883	0.21	0.39	2.49	0.88
Port and harbor operations	48831	0.28	0.30	1.47	0.82
Port and harbor operations	488310	0.28	0.30	1.47	0.82
Marine cargo handling	48832	0.07	0.11	2.19	1.07
Marine cargo handling	488320	0.07	0.11	2.19	1.07
Navigational services to shipping	48833	0.93	1.87	3.70	2.75
Navigational services to shipping	488330	0.93	1.87	3.70	2.75
Freight transportation arrangement	4885	0.00	0.00	1.96	1.66
Freight transportation arrangement	48851	0.00	0.00	1.96	1.66
Freight transportation arrangement	488510	0.00	0.00	1.96	1.66
U.S. Postal Service	491	0.00	0.00	2.08	0.67
U.S. Postal Service	4911	0.00	0.00	2.08	0.67
U.S. Postal Service	49111	0.00	0.00	2.08	0.67
U.S. Postal Service	491110	0.00	0.00	2.08	0.67
Couriers and messengers	492	0.19	0.02	5.90	0.26
Couriers and express delivery services	4921	0.22	0.01	6.19	0.15
Couriers and express delivery services	49211	0.22	0.01	6.19	0.15
Couriers and express delivery services	492110	0.22	0.01	6.19	0.15
Local messengers and local delivery	4922	0.03	0.02	3.76	4.66
Local messengers and local delivery	49221	0.03	0.02	3.58	4.59
Local messengers and local delivery	492210	0.03	0.02	3.58	4.59
Warehousing and storage	493	0.27	0.49	3.94	1.89
Warehousing and storage	4931	0.27	0.49	3.94	1.89
General warehousing and storage	49311	0.00	0.00	3.16	2.13
General warehousing and storage	493110	0.00	0.00	3.16	2.13
Refrigerated warehousing and storage	49312	1.60	2.04	5.73	3.88
Refrigerated warehousing and storage	493120	1.60	2.04	5.73	3.88
Farm product warehousing and storage	49313	1.25	0.98	8.91	4.60
Farm product warehousing and storage	493130	1.25	0.98	8.91	4.60
Publishing industries, except Internet	511	0.21	0.50	0.41	1.00
Newspaper, book, and directory publishers	5111	0.27	0.35	0.99	0.96
Newspaper publishers	51111	0.52	0.58	0.74	2.69
Newspaper publishers	511110	0.51	0.59	0.70	2.75
Periodical publishers	51112	0.75	0.70	1.28	1.14
Periodical publishers	511120	0.75	0.70	1.28	1.14
Book publishers	51113	0.66	0.74	2.05	1.44
Book publishers	511130	0.66	0.74	2.05	1.44
Directory and mailing list publishers	51114	0.18	0.29	0.64	1.13
Directory and mailing list publishers	511140	0.18	0.29	0.64	1.13
Other publishers	51119	0.05	0.08	0.17	0.38
Greeting card publishers	511191	0.04	0.09	0.21	0.27

Table 3. Variance estimates for selected Producer Price Index industry-based 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
All other publishers	511199	0.09	0.16	0.45	1.11
Software publishers	5112	0.50	0.71	0.87	1.67
Software publishers	51121	0.50	0.71	0.87	1.67
Software publishers	511210	0.50	0.71	0.87	1.67
Broadcasting, except Internet	515	1.34	0.80	1.37	1.51
Radio and television broadcasting	5151	2.50	1.42	1.93	2.10
Radio broadcasting	51511	0.60	0.90	3.65	3.79
Radio broadcasting	515110	0.61	0.90	3.67	3.81
Television broadcasting	51512	3.26	1.93	1.81	2.42
Television broadcasting	515120	3.26	1.93	1.80	2.44
Cable and other subscription programming	5152	0.68	0.49	0.74	2.02
Cable and other subscription programming	51521	0.68	0.49	0.74	2.02
Cable and other subscription programming	515210	0.68	0.49	0.74	2.02
Telecommunications	517	0.19	0.28	1.17	0.92
Wired and wireless telecommunications carriers	5173	0.19	0.27		
Wired and wireless telecommunications carriers	51731	0.19	0.27		
Wired telecommunications carriers	517311	0.41	0.25	3.60	0.68
Wireless telecommunications carriers	517312	0.35	0.51	1.86	1.63
Data processing and related services	5182	0.03	0.12	0.28	0.42
Data processing and related services	51821	0.03	0.12	0.28	0.42
Data processing, hosting and related services	518210	0.03	0.12	0.28	0.42
Internet publishing and web search portals	519130	0.98	0.96	4.30	2.93
Depository credit intermediation	5221	1.77	0.42	5.75	1.25
Commercial banking	52211	1.83	0.44	6.27	1.36
Commercial banking	522110	1.83	0.44	6.27	1.36
Savings institutions	52212	1.39	0.74	2.29	1.78
Savings institutions	522120	1.39	0.74	2.29	1.78
Security, commodity contracts and like activity	523	0.78	0.36	8.66	1.53
Securities and commodity contracts intermediation and brokerage	5231	1.16	0.76	12.96	2.26
Investment banking and securities dealing	52311	1.89	1.11	20.12	2.99
Investment banking and securities dealing	523110	1.89	1.11	20.12	2.99
Securities brokerage	52312	1.09	0.81	5.50	3.04
Securities brokerage	523120	1.09	0.81	5.50	3.04
Portfolio management	52392	0.63	0.40	5.73	2.17
Portfolio management	523920	0.63	0.40	5.73	2.17
Investment advice	52393	1.90	0.20	7.85	2.41
Investment advice	523930	1.90	0.20	7.85	2.41
Insurance carriers and related activities	524	0.15	0.08	3.57	0.48
Insurance carriers	5241	0.16	0.09	3.61	0.49
Direct life/health/medical insurance carriers	52411	0.14	0.11	4.14	0.64
Direct life insurance carriers	524113	0.06	0.07	0.56	0.40
Direct health and medical insurance carriers	524114	0.21	0.13	5.42	0.88
Other direct insurance carriers	52412	0.16	0.10	2.23	0.84
Direct property and casualty insurers	524126	0.16	0.10	2.23	0.84
Insurance agencies and brokerages	52421	0.11	0.08	1.54	0.33
Insurance agencies and brokerages	524210	0.11	0.08	1.54	0.33
Lessors of nonresidential buildings (except miniwarehouses)	53112	0.57	0.66	1.04	1.75
Lessors of nonresidential buildings	531120	0.57	0.66	1.04	1.75
Lessors of miniwarehouse and self storage units	53113	0.33	0.23	1.50	0.87
Miniwarehouse and self-storage unit operators	531130	0.33	0.23	1.50	0.87
Offices of real estate agents and brokers	5312	0.44	0.15	8.40	0.97
Offices of real estate agents and brokers	53121	0.44	0.15	8.40	0.97

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Offices of real estate agents and brokers	531210	0.44	0.15	8.40	0.97
Real estate property managers	53131	0.19	0.31	0.72	1.21
Residential property managers	531311	0.09	0.14	1.00	1.02
Nonresidential property managers	531312	0.62	0.76	1.82	3.38
Offices of real estate appraisers	531320	0.00	0.00	3.04	3.15
Automotive equipment rental and leasing	5321	1.33	1.45	1.58	2.40
Passenger car rental and leasing	53211	1.90	2.12	2.40	3.75
Passenger car rental	532111	1.90	2.12	2.40	3.75
Truck, utility trailer and RV rental and leasing	53212	0.90	0.67	2.25	2.03
Truck, utility trailer, and RV rental and leasing	532120	0.90	0.67	2.28	2.03
Other heavy machinery rental and leasing	532412	0.47	0.53	2.66	2.07
Legal services	5411	0.20	0.24	2.44	0.90
Offices of lawyers	54111	0.20	0.24	2.44	0.90
Offices of lawyers	541110	0.20	0.24	2.44	0.90
Offices of certified public accountants	541211	0.72	0.67	1.21	1.24
Other accounting services	541219	0.44	0.91	6.68	3.66
Architectural, engineering and related services	5413	0.14	0.18	1.92	0.52
Architectural services	54131	0.12	0.13	0.67	1.75
Architectural services	541310	0.12	0.13	0.67	1.75
Engineering services	54133	0.10	0.19	2.32	0.53
Engineering services	541330	0.10	0.19	2.32	0.53
Management and technical consulting services	5416	0.18	0.34	0.65	2.09
Management consulting services	54161	0.18	0.34	0.65	2.10
Management consulting services	541610	0.18	0.34	0.65	2.10
Advertising agencies	54181	0.05	0.12	0.32	0.42
Advertising agencies	541810	0.05	0.12	0.32	0.42
Employment services	5613	0.20	0.31	0.51	1.20
Employee leasing services	56133	0.25	0.30	0.77	2.04
Professional employer organizations	561330	0.25	0.30	0.77	2.04
Staffing services (except PEOs)	56138	0.36	0.38	1.36	1.16
Staffing services (except PEOs)	561380	0.36	0.38	1.36	1.16
Travel agencies	56151	0.44	0.44	0.59	1.46
Travel agencies	561510	0.44	0.44	0.59	1.46
Security guards and patrol services	561612	0.21	0.18	2.41	0.85
Janitorial services	56172	0.09	0.09	0.34	0.36
Janitorial services	561720	0.09	0.09	0.34	0.36
Waste collection	5621	0.39	0.30	4.11	1.64
Waste collection	56211	0.39	0.30	4.11	1.64
Solid waste collection	562111	0.39	0.30	4.11	1.64
Offices of physicians	6211	0.10	0.10	0.82	0.62
Offices of physicians	62111	0.10	0.10	0.82	0.62
Offices of physicians, except mental health	621111	0.10	0.10	0.82	0.62
Offices of dentists	6212	0.04	0.03	0.98	0.37
Offices of dentists	62121	0.04	0.03	0.98	0.37
Offices of dentists	621210	0.04	0.03	0.98	0.37
Medical and diagnostic laboratories	6215	0.04	0.09	1.21	0.49
Medical and diagnostic laboratories	62151	0.04	0.09	1.21	0.49
Medical laboratories	621511	0.07	0.13	1.54	0.58
Diagnostic imaging centers	621512	0.01	0.01	0.79	0.74
Home health care services	6216	0.08	0.08	2.26	1.38
Home health care services	62161	0.08	0.08	2.26	1.38
Home health care services	621610	0.08	0.08	2.26	1.38
All other ambulatory health care services	62199	0.08	0.11	0.18	0.84
Blood and organ banks	621991	0.08	0.11	0.18	0.84

Table 3. Variance estimates for selected Producer Price Index industry-based 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
Hospitals	622	0.06	0.15	2.58	0.69
General medical and surgical hospitals	6221	0.09	0.16	2.70	0.75
General medical and surgical hospitals	62211	0.09	0.16	2.70	0.75
General medical and surgical hospitals	622110	0.09	0.17	2.70	0.75
Psychiatric and substance abuse hospitals	6222	0.00	0.00	2.01	1.01
Psychiatric and substance abuse hospitals	62221	0.00	0.00	2.01	1.01
Psychiatric and substance abuse hospitals	622210	0.00	0.00	2.01	1.01
Other specialty hospitals	6223	0.23	0.21	0.49	1.00
Other specialty hospitals	62231	0.23	0.21	0.49	1.00
Other specialty hospitals	622310	0.23	0.21	0.49	1.00
Nursing care facilities	6231	0.20	0.18	3.31	0.63
Nursing care facilities	62311	0.20	0.18	3.31	0.63
Nursing care facilities	623110	0.20	0.18	3.31	0.63
Residential developmental disability homes	62321	0.22	0.21	2.86	0.78
Residential developmental disability homes	623210	0.22	0.21	2.86	0.78
Amusement and theme parks	7131	0.64	0.74	1.87	1.47
Amusement and theme parks	71311	0.64	0.74	1.87	1.47
Amusement and theme parks	713110	0.64	0.74	1.87	1.47
Golf courses and country clubs	71391	0.57	0.35	4.50	2.42
Golf courses and country clubs	713910	0.57	0.35	4.50	2.42
Fitness and recreational sports centers	71394	0.96	0.58	1.26	0.88
Fitness and recreational sports centers	713940	0.96	0.58	1.25	0.88
Accommodation	721	2.37	1.30	3.13	1.72
Accommodation	7211	2.37	1.30	3.13	1.72
Hotels (exc casino hotels) and motels	72111	3.35	1.75	3.94	2.31
Hotels and motels, except casino hotels	721110	3.35	1.75	3.94	2.31
Casino hotels	72112	1.28	0.93	1.75	1.16
Casino hotels	721120	1.28	0.93	1.75	1.16
Commercial machinery repair and maintenance	8113	0.07	0.09	1.71	1.73
Commercial machinery repair and maintenance	81131	0.07	0.09	1.71	1.73
Commercial machinery repair and maintenance	811310	0.07	0.09	1.71	1.73