

Indicators of Sample Variance

Tammy Rib

SOI Programs Section

Statistical Services Branch

SOI Individual Table 1.4CV

Table 1.4CV. Coefficients of Variation for All Returns: Sources of Income, Adjustments, and Tax Items, by Size of Adjusted Gross Income, Tax Year 2016 (Filing Year 2017)						
<i>(Coefficients of variation for numbers of returns and amounts are percentages)</i>						
Size of adjusted gross income	Number of returns	Adjusted gross income less deficit	Total income		Salaries and wages	
			Number of returns	Amount	Number of returns	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
\$5,000 under \$10,000	0.89	0.90	0.89	0.91	1.02	1.12
\$10,000 under \$15,000	0.85	0.86	0.85	0.86	1.00	1.06
\$15,000 under \$20,000	0.89	0.90	0.89	0.90	1.01	1.06
\$20,000 under \$25,000	0.95	0.95	0.95	0.95	1.04	1.08
\$25,000 under \$30,000	1.01	1.01	1.01	1.01	1.09	1.12
\$30,000 under \$40,000	0.75	0.75	0.75	0.75	0.81	0.83
\$40,000 under \$50,000	0.87	0.87	0.87	0.88	0.94	0.97
\$50,000 under \$75,000	0.49	0.50	0.49	0.50	0.56	0.59
\$75,000 under \$100,000	0.75	0.75	0.75	0.75	0.82	0.86
\$100,000 under \$200,000	0.30	0.33	0.30	0.33	0.39	0.46
\$200,000 under \$500,000	0.38	0.39	0.38	0.40	0.44	0.52
\$500,000 under \$1,000,000	0.86	0.81	0.86	0.80	0.96	1.11

Bureau of Labor Statistics

District of Columbia May 2017 Occupational Employment and Wage Estimates

Occupation code	Occupation title (click on the occupation title to view its profile)	Level	Employment	Employment RSE	Employment per 1,000 jobs	Location quotient	Median hourly wage	Mean hourly wage	Annual mean wage	Mean wage RSE
00-0000	All Occupations	total	708,220	0.5%	1000.000	1.00	\$33.82	\$41.21	\$85,720	5.8%
11-0000	<u>Management Occupations</u>	major	86,030	1.0%	121.467	2.38	\$65.93	\$70.09	\$145,780	2.3%
11-1011	<u>Chief Executives</u>	detail	2,140	7.5%	3.016	2.05	(5)	\$113.47	\$236,010	4.3%
11-1021	<u>General and Operations Managers</u>	detail	26,210	2.6%	37.005	2.38	\$66.43	\$71.74	\$149,220	2.3%
11-2011	<u>Advertising and Promotions Managers</u>	detail	140	32.3%	0.203	1.03	\$54.58	\$59.06	\$122,850	11.2%
11-2021	<u>Marketing Managers</u>	detail	1,410	6.1%	1.991	1.30	\$72.74	\$76.53	\$159,190	2.2%
11-2022	<u>Sales Managers</u>	detail	1,170	11.2%	1.645	0.63	\$57.68	\$63.50	\$132,090	4.2%
11-2031	<u>Public Relations and Fundraising Managers</u>	detail	4,460	5.4%	6.295	13.34	\$74.17	\$82.09	\$170,750	2.6%
11-3011	<u>Administrative Services Managers</u>	detail	1,550	4.3%	2.194	1.16	\$52.48	\$57.11	\$118,790	4.7%

U.S. Census Bureau
 American Housing Survey – National 2017 General Housing Data All
 Occupied Units by Tenure

Characteristics	Tenure					
	Total		Owner		Renter	
	Estimate	Margin of Error +/-	Estimate	Margin of Error +/-	Estimate	Margin of Error +/-
Total	121,200	393	77,310	514	43,880	420
Units in Structure						
1, detached	76,550	528	64,160	502	12,400	334
1, attached	8,965	285	4,736	212	4,229	189
2 to 4	8,343	254	1,111	85	7,232	250
5 to 9	5,770	216	528	63	5,242	204
10 to 19	5,271	216	414	53	4,857	209
20 to 49	4,100	168	458	56	3,642	160
50 or more	5,429	154	887	72	4,542	150
Manufactured/mobile home or trailer	6,688	337	4,949	277	1,739	138
Other (Boat, RV, van, etc.)	75	26	72	25	3	3

Quality Metrics for Cattle Survey - States and United States: January 1, 2017-2018

State	Sample size		Response rate		All cattle and calves			
					Percent of estimate from usable reports		Coefficient of variation	
	2017	2018	2017	2018	2017	2018	2017	2018
	(number)	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	808	775	68.1	70.2	75.2	75.3	6.0	4.9
Alaska	54	58	44.4	50.0	83.9	84.6	2.6	5.0
Arizona	344	307	64.5	68.7	90.1	90.2	2.9	3.1
Arkansas	780	754	64.2	71.6	71.0	76.7	4.9	6.2
California	1,567	1,382	52.8	51.0	70.6	70.1	2.6	2.3
Colorado	832	782	57.9	55.8	76.0	76.5	2.9	3.6
Connecticut	166	161	55.4	46.0	76.4	73.5	5.2	5.9
Delaware	89	79	44.9	46.8	72.4	63.8	7.3	16.7
Florida	744	767	55.8	58.4	68.2	69.7	9.2	6.0
Georgia	851	803	62.7	66.7	71.2	77.3	7.1	7.0

Academia – Thomas A Louis and Scott L Zeger

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Table 6 from [Barnard and others \(2003\)](#) (converted to recommended format): “ITT Effect of Private School Attendance on Test Scores.”

Grade at application	Applicant's school: Low		Applicant's school: High	
	Reading	Math	Reading	Math
1	-2.03.48.7	3.07.712.4	-7.31.910.3	0.27.414.6
2	-3.70.75.0	-2.41.96.2	-9.4-0.97.3	-6.21.59.3
3	-4.11.06.1	-0.85.010.7	-9.5-0.87.7	-4.94.012.5
4	-1.54.210.1	-1.64.310.1	-6.32.711.3	-4.73.511.9
Overall	-0.92.25.3	1.44.77.9	-7.10.67.7	-2.64.210.9

2014 SOI Corporation Data

Table 1: Coefficients Of Variation

Domain	Total Returns Of Active Corporations (TOTAL)	Total Returns Of Active Corporations (CYs)	Agriculture, Forestry, Fishing And Hunting (TOTAL)	Agriculture, Forestry, Fishing And Hunting (CYs)	Agricultural Production (TOTAL)	Agricultural Production (CYs)
No Of Returns Total	6,001,491.00	0.04	139,808.00	3.89	100,955.00	4.17
No Of Returns Returns With Ne	3,725,161.00	0.70	83,527.00	5.47	60,256.00	5.58
Tot Receipts All Returns	31,562,783,911,519.00	0.14	223,005,070,756.00	5.55	160,061,008,924.00	5.96
Tot Receipts Returns With Net	26,482,672,334,995.00	0.17	181,691,238,931.00	6.44	132,034,880,592.00	7.32
Business Receipts	28,075,177,764,458.00	0.16	193,797,756,305.00	6.04	134,026,879,920.00	6.91
Cost Of Goods Sold	17,850,424,253,883.00	0.18	106,596,513,323.00	9.22	68,945,021,758.00	11.40
Net Income Posinc	2,561,226,487,179.00	0.13	15,956,797,218.00	5.02	12,721,309,544.00	4.85
Deficit	416,351,090,352.00	0.43	4,558,693,677.00	6.96	3,576,235,321.00	7.64
Income Subject To Tax	1,401,174,826,206.00	0.04	4,595,731,932.00	3.32	4,199,663,734.00	3.29
Total Income Tax Before Credits	491,086,358,921.00	0.04	1,441,579,927.00	3.46	1,319,750,954.00	3.41
Foreign Tax Credit	117,576,055,478.00	0.02	10,054,983.00	0.83	9,941,836.00	0.66
General Buiness Credit	34,625,925,807.00	0.05	74,156,772.00	6.37	71,456,248.00	6.44
Prior Year Minimum Tax Credit	2,165,221,192.00	0.51	29,903,747.00	1.36	29,881,093.00	1.36
Total Income Tax After Credits	336,078,470,595.00	0.06	1,327,464,424.00	3.53	1,208,471,778.00	3.49
Total Assets	95,864,232,809,856.00	0.01	166,794,621,076.00	2.25	134,517,407,034.00	2.51
Net Worth	37,997,995,760,349.00	0.03	68,154,277,317.00	4.78	54,005,557,126.00	5.48
Depreciable Assets	11,852,319,322,927.00	0.11	148,140,353,179.00	3.68	118,291,252,162.00	3.84
Depreciation Deduction	769,459,631,335.00	0.18	9,927,005,119.00	4.29	7,896,543,990.00	4.09

2014 SOI Corporation Data

Table 1: Standard Error

Domain	Total Returns Of Active Corporations (TOTAL)	Total Returns Of Active Corporations (SE)	Agriculture, Forestry, Fishing And Hunting (TOTAL)	Agriculture, Forestry, Fishing And Hunting (SE)	Agricultural Production (TOTAL)	Agricultural Production (SE)
No Of Returns Total	6,001,491.00	2,368.14	139,808.00	5,441.46	100,955.00	4,211.77
No Of Returns Returns With Ne	3,725,161.00	26,039.56	83,527.00	4,568.91	60,256.00	3,363.60
Tot Receipts All Returns	31,562,783,911,519.00	44,741,133,240.38	223,005,070,756.00	12,374,389,139.56	160,061,008,924.00	9,538,380,438.93
Tot Receipts Returns With Net	26,482,672,334,995.00	45,636,316,703.85	181,691,238,931.00	11,698,039,644.26	132,034,880,592.00	9,670,233,247.11
Business Receipts	28,075,177,764,458.00	44,320,775,659.72	193,797,756,305.00	11,702,224,075.32	134,026,879,920.00	9,267,397,705.10
Cost Of Goods Sold	17,850,424,253,883.00	32,688,967,802.33	106,596,513,323.00	9,832,922,257.94	68,945,021,758.00	7,879,831,771.20
Net Income Posinc	2,561,226,487,179.00	3,212,898,660.18	15,956,797,218.00	800,424,251.61	12,721,309,544.00	617,493,053.39
Deficit	416,351,090,352.00	1,774,916,983.14	4,558,693,677.00	317,468,354.99	3,576,235,321.00	273,332,343.94
Income Subject To Tax	1,401,174,826,206.00	613,747,505.18	4,595,731,932.00	152,395,567.05	4,199,663,734.00	138,311,980.47
Total Income Tax Before Credits	491,086,358,321.00	202,304,392.54	1,441,579,927.00	49,824,034.80	1,319,750,954.00	44,965,408.05
Foreign Tax Credit	117,576,055,478.00	18,928,097.58	10,054,983.00	82,959.06	9,941,836.00	65,993.99
General Business Credit	34,625,925,807.00	18,577,068.62	74,156,772.00	4,724,273.97	71,456,248.00	4,601,444.75
Prior Year Minimum Tax Credit	2,165,221,192.00	10,982,900.38	29,903,747.00	406,463.49	29,881,093.00	406,461.32
Total Income Tax After Credits	336,078,470,595.00	188,351,310.02	1,327,464,424.00	46,905,938.46	1,208,471,778.00	42,193,241.06
Total Assets	95,864,232,809,856.00	9,601,531,485.70	166,794,621,076.00	3,746,016,091.48	134,517,407,034.00	3,376,456,754.67
Net Worth	37,997,995,760,349.00	12,682,461,409.41	68,154,277,317.00	3,259,117,667.95	54,005,557,126.00	2,958,128,702.61
Depreciable Assets	11,852,319,322,927.00	13,445,642,843.87	148,140,353,179.00	5,452,864,219.60	118,291,252,162.00	4,541,468,506.04
Depreciation Deduction	769,459,631,335.00	1,358,743,428.34	9,927,005,119.00	425,933,146.30	7,896,543,990.00	323,138,657.61

2014 SOI Corporation Data

Table 1: Confidence Intervals (Lower And Upper Bounds)						
Domain	Total Returns Of Active Corporations (TOTAL)	Total Returns Of Active Corporations (LOWER CI)	Total Returns Of Active Corporations (UPPER CI)	Agriculture, Forestry, Fishing And Hunting (TOTAL)	Agriculture, Forestry, Fishing And Hunting (LOWER CI)	Agriculture, Forestry, Fishing And Hunting (UPPER CI)
No Of Returns Total	6,001,491.00	5,996,754.70	6,006,227.26	139,808.00	128,924.67	150,690.51
No Of Returns Returns With Ne	3,725,161.00	3,673,082.31	3,777,240.57	83,527.00	74,389.10	92,664.72
Tot Receipts All Returns	31,562,783,911,519.00	31,473,301,645,038.20	31,652,266,177,999.70	223,005,070,756.00	198,256,292,477.32	247,753,849,035.57
Tot Receipts Returns With Net	26,482,672,334,995.00	26,391,399,701,587.60	26,573,944,968,403.00	181,691,238,931.00	158,295,159,642.36	205,087,318,219.39
Business Receipts	28,075,177,764,458.00	27,986,536,213,138.80	28,163,819,315,777.70	193,797,756,305.00	170,393,308,154.05	217,202,204,455.32
Cost Of Goods Sold	17,850,424,253,883.00	17,785,046,318,278.40	17,915,802,189,487.70	106,596,513,323.00	86,930,668,806.92	126,262,357,838.68
Net Income Posinc	2,561,226,487,179.00	2,554,800,689,858.88	2,567,652,284,499.58	15,956,797,218.00	14,355,948,714.98	17,557,645,721.43
Deficit	416,351,090,352.00	412,801,256,385.29	419,900,924,317.86	4,558,693,677.00	3,923,756,967.24	5,193,630,387.20
Income Subject To Tax	1,401,174,826,206.00	1,399,947,331,195.47	1,402,402,321,216.20	4,595,731,932.00	4,290,940,798.22	4,900,523,066.41
Total Income Tax Before Credits	491,086,358,921.00	490,681,750,136.41	491,490,967,706.56	1,441,579,927.00	1,341,931,857.25	1,541,227,996.44
Foreign Tax Credit	117,576,055,478.00	117,538,199,283.14	117,613,911,673.46	10,054,983.00	9,889,064.90	10,220,901.14
General Buiness Credit	34,625,925,807.00	34,588,771,670.04	34,663,079,944.54	74,156,772.00	64,708,224.49	83,605,320.35
Prior Year Minimum Tax Credit	2,165,221,192.00	2,143,255,391.38	2,187,186,992.92	29,903,747.00	29,090,820.34	30,716,674.29
Total Income Tax After Credits	336,078,470,595.00	335,701,767,975.38	336,455,173,215.45	1,327,464,424.00	1,233,652,547.17	1,421,276,301.03
Total Assets	95,864,232,809,856.00	95,845,029,746,884.90	95,883,435,872,827.70	166,794,621,076.00	159,302,588,892.95	174,286,653,258.87
Net Worth	37,997,995,760,349.00	37,972,630,837,530.50	38,023,360,683,168.20	68,154,277,317.00	61,636,041,980.81	74,672,512,652.63
Depreciable Assets	11,852,319,322,927.00	11,825,428,037,239.40	11,879,210,608,614.80	148,140,353,179.00	137,234,624,740.26	159,046,081,618.66
Depreciation Deduction	769,459,631,335.00	766,742,144,478.16	772,177,118,191.52	9,927,005,119.00	9,075,138,826.59	10,778,871,411.79

2014 SOI Corporation Data

Table 1: Confidence Intervals (Lower And Upper Bounds), Coefficients Of Variation, And Standard Error

Domain	Total Returns Of Active Corporations (TOTAL)	Total Returns Of Active Corporations (LOWER CI)	Total Returns Of Active Corporations (UPPER CI)	Total Returns Of Active Corporations (CVs)	Total Returns Of Active Corporations (SE)
No Of Returns Total	6,001,491.00	5,996,754.70	6,006,227.26	0.04	2,368.14
No Of Returns Returns With Ne	3,725,161.00	3,673,082.31	3,777,240.57	0.70	26,039.56
Tot Receipts All Returns	31,562,783,911,519.00	31,473,301,645,038.20	31,652,266,177,999.70	0.14	44,741,133,240.38
Tot Receipts Returns With Net	26,482,672,334,995.00	26,391,399,701,587.60	26,573,944,968,403.00	0.17	45,636,316,703.85
Business Receipts	28,075,177,764,458.00	27,986,536,213,138.80	28,163,819,315,777.70	0.16	44,320,775,659.72
Cost Of Goods Sold	17,850,424,253,883.00	17,785,046,318,278.40	17,915,802,189,487.70	0.18	32,688,967,802.33
Net Income Posinc	2,561,226,487,179.00	2,554,800,689,858.88	2,567,652,284,499.58	0.13	3,212,898,660.18
Deficit	416,351,090,352.00	412,801,256,385.29	419,900,924,317.86	0.43	1,774,916,983.14
Income Subject To Tax	1,401,174,826,206.00	1,399,947,331,195.47	1,402,402,321,216.20	0.04	613,747,505.18
Total Income Tax Before Credits	491,086,358,921.00	490,681,750,136.41	491,490,967,706.56	0.04	202,304,392.54
Foreign Tax Credit	117,576,055,478.00	117,538,199,283.14	117,613,911,673.46	0.02	18,928,097.58
General Business Credit	34,625,925,807.00	34,588,771,670.04	34,663,079,944.54	0.05	18,577,068.62
Prior Year Minimum Tax Credit	2,165,221,192.00	2,143,255,391.38	2,187,186,992.92	0.51	10,982,900.38
Total Income Tax After Credits	336,078,470,595.00	335,701,767,975.38	336,455,173,215.45	0.06	188,351,310.02
Total Assets	95,864,232,809,856.00	95,845,029,746,884.90	95,883,435,872,827.70	0.01	9,601,531,485.70
Net Worth	37,997,995,760,349.00	37,972,630,837,530.50	38,023,360,683,168.20	0.03	12,682,461,409.41
Depreciable Assets	11,852,319,322,927.00	11,825,428,037,239.40	11,879,210,608,614.80	0.11	13,445,642,843.87
Depreciation Deduction	769,459,631,335.00	766,742,144,478.16	772,177,118,191.52	0.18	1,358,743,428.34

2014 SOI Corporation Data

Table 1: Confidence Intervals (Lower And Upper Bounds), Coefficients Of Variation, And Standard Error				
domain		No__Of_Returns__Total	No__Of_Returns__Returns_With_Ne	Tot__Receipts__All_Returns
Total Returns Of Active Corporations	TOTAL	6,001,491.00	3,725,161.00	31,562,783,911,519.00
	CI (LOWER BOUND)	5,996,754.70	3,673,082.31	31,473,300,000,000.00
	CI (UPPER BOUND)	6,006,227.26	3,777,240.57	31,652,300,000,000.00
	CV	0.04	0.70	0.14
	SE	2,368.14	26,039.56	44,741,133,240.38
Agriculture, Forestry, Fishing And Hunting	TOTAL	139,808.00	83,527.00	223,005,070,756.00
	CI (LOWER BOUND)	128,924.67	74,389.10	198,256,292,477.32
	CI (UPPER BOUND)	150,690.51	92,664.72	247,753,849,035.57
	CV	3.89	5.47	5.55
	SE	5,441.46	4,568.91	12,374,389,139.56
Agricultural Production	TOTAL	100,955.00	60,256.00	160,061,008,924.00
	CI (LOWER BOUND)	92,531.00	53,528.63	140,984,248,045.86
	CI (UPPER BOUND)	109,378.09	66,983.04	179,137,769,801.56
	CV	4.17	5.58	5.96
	SE	4,211.77	3,363.60	9,538,380,438.93
Forestry And Logging	TOTAL	9,608.00	6,050.00	16,137,752,803.00
	CI (LOWER BOUND)	6,292.81	3,812.93	9,903,185,040.05
	CI (UPPER BOUND)	12,923.75	8,287.38	22,372,320,565.45
	CV	17.30	18.50	19.30
	SE	1,657.74	1,118.61	3,117,283,881.35

Contact Information

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