

Descriptive Statistics

Descriptive Statistics for our Merging Dataset

Descriptive Statistics for Single Variables

Occupation Codes

number of unique occupation codes: 1545

distribution of unique occupation codes by # digits:

overall distribution of occupation codes in table

Industry Codes

number of unique industry codes: 490

distribution of unique industry codes by # digits

overall distribution of industry codes in table

Year Codes

number of years,19

table of years

Area Codes

number of area codes, 641

distribution of a unique set of codes & all codes by area classification

table of years

occ digits	freq
0	1
2	22
3	93
5	479
6	950

occ digits	freq
0	8894
2	150607
3	175339
5	462231
6	1516065

industry digits	freq
0	1394
2	1538
3	1543
4	1541
5	1440
6	764

industry digits	freq
0	255562
2	168318
3	504686
4	1173305
5	201877
6	9388

year	freq
2002	52340
2003	70989
2004	86521
2005	82544
2006	81358
2007	82910
2008	81659
2009	80371
2010	78848
2011	73973
2012	406943
2013	148557
2014	145643
2015	149103
2016	150151
2017	137026
2018	138602
2019	133228
2020	132370

area classification	freq
city	380
metropolitan area	34
national	1
non metropolitan area	172
state/territory	54

area classification	freq
city	141927
metropolitan area	19137
national	2058968
non metropolitan area	55470
state/territory	37634

area classification	freq
city	141927
metropolitan area	19137
national	2058968
non metropolitan area	55470
state/territory	37634

Two Variable Pairs

number of unique industry-year pairs, 8257

number of unique industry-occupation pairs, 238714

number of unique industry-area pairs, 1130

number of unique year-occupation pairs, 20255

number of unique year-area pairs, 659

number of unique occupation-area pairs, 255713

Three Variable Pairs

number of unique industry-year-occupation groups, 2058968

number of unique industry-year-area groups, 8897

number of unique industry-occupation-area groups, 492882

number of unique year-occupation-area groups, 274423

Four Variable Pairs

number of unique industry-year-occupation-area groups, 2313136

OEWS Data

[1] “TOT_EMP - Estimated total employment rounded to the nearest 10 (excludes self-employed).”

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## Note: Using an external vector in selections is ambiguous.
## i Use 'all_of(col)' instead of 'col' to silence this message.
## i See <https://tidyselect.r-lib.org/reference/faq-external-vector.html>.
## This message is displayed once per session.
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[1] “EMP_PRSE - Percent relative standard error (PRSE) for the employment estimate. PRSE is a measure of sampling error, expressed as a percentage of the corresponding estimate. Sampling error occurs when values

	TOT_EMP
Mean	12541.9643355
SD	177127.5438525
Missing	0.0658915
0%	30.0000000
10%	60.0000000
25%	130.0000000
50%	460.0000000
75%	2260.0000000
90%	10920.0000000
100%	130287700.0000000

	EMP_PRSE
Mean	15.8714357
SD	11.3830167
Missing	0.0658915
0%	0.0000000
10%	3.7000000
25%	6.9000000
50%	12.9000000
75%	22.4000000
90%	33.2000000
100%	49.9000000

for a population are estimated from a sample survey of the population, rather than calculated from data for all members of the population. Estimates with lower PRSEs are typically more precise in the presence of sampling error.”

[1] “JOBS_1000 - The number of jobs (employment) in the given occupation per 1,000 jobs in the given area. Only available for the state and MSA estimates; otherwise, this column is blank. ”

[1] “LOC_QUOTIENT - The location quotient represents the ratio of an occupation’s share of employment in a given area to that occupation’s share of employment in the U.S. as a whole. For example, an occupation that makes up 10 percent of employment in a specific metropolitan area compared with 2 percent of U.S. employment would have a location quotient of 5 for the area in question. Only available for the state, metropolitan area, and nonmetropolitan area estimates; otherwise, this column is blank.”

[1] “PCT_TOTAL - Percent of industry employment in the given occupation. Percents may not sum to 100 because the totals may include data for occupations that could not be published separately. Only available for the national industry estimates; otherwise, this column is blank. ”

	JOBS_1000
Mean	7.7953431
SD	53.7372835
Missing	0.8976368
0%	0.0030000
10%	0.1810000
25%	0.4480000
50%	1.1130000
75%	3.0430000
90%	10.6490000
100%	1000.0000000

	LOC_QUOTIENT
Mean	1.3568569
SD	2.8483927
Missing	0.8976368
0%	0.0100000
10%	0.4500000
25%	0.6800000
50%	0.9800000
75%	1.3900000
90%	2.1500000
100%	319.3000000

	PCT_TOTAL
Mean	1.6494665
SD	8.0192723
Missing	0.1688573
0%	0.0000000
10%	0.0100000
25%	0.0300000
50%	0.1400000
75%	0.6400000
90%	2.4000000
100%	100.0000000

[1] “H_MEAN - Mean hourly wage”

[1] “A_MEAN - Mean annual wage ”

[1] “MEAN_PRSE - Percent relative standard error (PRSE) for the mean wage estimate. PRSE is a measure of sampling error, expressed as a percentage of the corresponding estimate. Sampling error occurs when values for a population are estimated from a sample survey of the population, rather than calculated from data for all members of the population. Estimates with lower PRSEs are typically more precise in the presence of sampling error.”

[1] “H_PCT10 - Hourly 10th percentile wage”

[1] “H_PCT25 - Hourly 25th percentile wage”

[1] “H_MEDIAN - Hourly median wage (or the 50th percentile)”

	H_MEAN
Mean	25.4208965
SD	14.3066000
Missing	0.0269457
0%	5.8100000
10%	12.1500000
25%	15.4000000
50%	21.3400000
75%	31.3000000
90%	43.8000000
100%	137.8500000

	A_MEAN
Mean	45973.6410190
SD	24592.2940331
Missing	0.7009774
0%	12080.0000000
10%	22730.0000000
25%	28340.0000000
50%	39130.0000000
75%	56870.0000000
90%	77820.0000000
100%	238070.0000000

	MEAN_PRSE
Mean	4.5271564
SD	3.8209472
Missing	0.0117866
0%	-100.0000000
10%	1.3000000
25%	2.2000000
50%	3.6000000
75%	5.8000000
90%	8.8000000
100%	30.0000000

	H_PCT10
Mean	14.8437875
SD	7.3336984
Missing	0.0269556
0%	5.3200000
10%	8.1600000
25%	9.5600000
50%	12.7000000
75%	17.8600000
90%	24.7200000
100%	97.8100000

	H_PCT25
Mean	18.4737333
SD	9.7269458
Missing	0.0273706
0%	5.5600000
10%	9.2300000
25%	11.5100000
50%	15.7800000
75%	22.6300000
90%	31.3900000
100%	99.9800000

	H_MEDIAN
Mean	23.5042456
SD	12.5901780
Missing	0.0307799
0%	5.9600000
10%	11.1900000
25%	14.3800000
50%	20.0100000
75%	29.2500000
90%	40.4700000
100%	99.9900000

digits of industry aggregation	freq
1	177336
2	6121

Labor Productivity Data

General Statistics

exact industry-year-area matches number: 1667076

proportion: 0.7206995

aggregated industry-year-area matches (industry was aggregated) number: 183457

proportion: 0.7206995

table of the number of digits that industries were aggregated by

missing industry-year-area matches number: 462603

proportion: 0.1999895

years covered 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019

Measure Statistics

[1] "C00_0_IP - Capital productivity (2007=100) Indexes or values"

[1] "C00_1_IP - Capital productivity (2007=100) Annual percent changes"

[1] "C01_0_IP - Capital (2007=100) Indexes or values"

[1] "C01_1_IP - Capital (2007=100) Annual percent changes"

[1] "C02_0_IP - Capital costs (Million \$) Indexes or values"

[1] "C02_1_IP - Capital costs (Million \$) Annual percent changes"

[1] "C03_0_IP - Capital cost share (percent) Indexes or values"

[1] "C03_1_IP - Capital cost share (percent) Annual percent changes"

[1] "C06_0_IP - Capital intensity (2007=100) Indexes or values"

	C00_0_IP
Mean	94.2787476
SD	12.7427599
Missing	0.8752836
0%	44.7310000
10%	78.1560000
25%	87.5260000
50%	94.8370000
75%	100.4430000
90%	107.8300000
100%	171.9540000

	C00_1_IP
Mean	0.7210811
SD	7.5660343
Missing	0.8752836
0%	-40.9000000
10%	-6.8000000
25%	-1.9000000
50%	1.1000000
75%	4.2000000
90%	7.9000000
100%	53.8000000

	C01_0_IP
Mean	97.3451297
SD	11.5232874
Missing	0.8752836
0%	50.4670000
10%	83.1620000
25%	91.5150000
50%	98.1800000
75%	103.0270000
90%	111.6950000
100%	147.0150000

	C01_1_IP
Mean	-0.6208124
SD	2.4930721
Missing	0.8752836
0%	-10.8000000
10%	-3.8000000
25%	-2.1000000
50%	-0.6000000
75%	0.9000000
90%	2.4000000
100%	12.3000000

	C02_0_IP
Mean	15637.1029124
SD	18324.0988895
Missing	0.8752836
0%	5.4920000
10%	1443.3180000
25%	3898.6690000
50%	9276.3110000
75%	19789.2900000
90%	36641.5830000
100%	105570.2290000

	C02_1_IP
Mean	47.9745010
SD	1712.0130739
Missing	0.8752836
0%	-99.9000000
10%	-19.9000000
25%	-6.6000000
50%	3.0000000
75%	13.5000000
90%	27.6000000
100%	73794.6000000

	C03_0_IP
Mean	0.2091866
SD	0.1024362
Missing	0.8752836
0%	0.0010000
10%	0.1050000
25%	0.1500000
50%	0.1940000
75%	0.2510000
90%	0.3260000
100%	0.8630000

	C03_1_IP
Mean	13.6052557
SD	345.4307087
Missing	0.8752836
0%	-99.2000000
10%	-16.9000000
25%	-7.0000000
50%	0.6000000
75%	8.9000000
90%	19.5000000
100%	14600.0000000

	C06_0_IP
Mean	106.4056285
SD	13.2674226
Missing	0.8752836
0%	52.4030000
10%	91.6640000
25%	98.5190000
50%	104.9990000
75%	113.3050000
90%	122.9330000
100%	189.8390000

	C06_1_IP
Mean	0.6142381
SD	6.2166414
Missing	0.8752836
0%	-32.4000000
10%	-6.0000000
25%	-3.0000000
50%	-0.1000000
75%	3.1000000
90%	7.7000000
100%	37.2000000

- [1] “C06_1_IP - Capital intensity (2007=100) Annual percent changes”
- [1] “C07_0_IP - Contribution of capital intensity (2007=100) Indexes or values”
- [1] “C07_1_IP - Contribution of capital intensity (2007=100) Annual percent changes”
- [1] “L00_0_IP - Labor productivity (2007=100) Indexes or values”
- [1] “L00_1_IP - Labor productivity (2007=100) Annual percent changes”
- [1] “L01_0_IP - Hours worked (2007=100) Indexes or values”
- [1] “L01_1_IP - Hours worked (2007=100) Annual percent changes”
- [1] “L02_0_IP - Labor compensation (Million \$) Indexes or values”
- [1] “L02_1_IP - Labor compensation (Million \$) Annual percent changes”
- [1] “L03_0_IP - Labor cost share (percent) Indexes or values”
- [1] “L03_1_IP - Labor cost share (percent) Annual percent changes”

	C07_0_IP
Mean	100.9543854
SD	3.2534682
Missing	0.8752836
0%	81.7340000
10%	98.1020000
25%	99.5210000
50%	100.6820000
75%	102.1980000
90%	103.7620000
100%	147.4270000

	C07_1_IP
Mean	0.0983427
SD	1.3972479
Missing	0.8752836
0%	-16.6000000
10%	-1.2000000
25%	-0.5000000
50%	0.0000000
75%	0.6000000
90%	1.5000000
100%	20.8000000

	L00_0_IP
Mean	103.7582856
SD	18.3773995
Missing	0.5953524
0%	34.5320000
10%	87.7040000
25%	94.8170000
50%	100.5650000
75%	108.7800000
90%	120.9050000
100%	249.2990000

	L00_1_IP
Mean	1.5511838
SD	6.1254189
Missing	0.5955828
0%	-38.8000000
10%	-4.6000000
25%	-1.6000000
50%	1.2000000
75%	4.4000000
90%	8.3000000
100%	59.6000000

	L01_0_IP
Mean	99.7959506
SD	18.6549076
Missing	0.1999895
0%	28.1980000
10%	81.7470000
25%	91.0340000
50%	98.8130000
75%	105.7720000
90%	119.0060000
100%	532.1550000

	L01_1_IP
Mean	0.8060872
SD	5.1476900
Missing	0.2000215
0%	-37.4000000
10%	-4.7000000
25%	-1.2000000
50%	1.2000000
75%	3.4000000
90%	5.9000000
100%	83.1000000

	L02_0_IP
Mean	52629.5268645
SD	95385.0615108
Missing	0.5949745
0%	164.8930000
10%	4127.3330000
25%	8945.8790000
50%	22284.8240000
75%	54743.1560000
90%	103570.2050000
100%	986083.3880000

	L02_1_IP
Mean	2.624057
SD	5.666254
Missing	0.595205
0%	-39.200000
10%	-3.300000
25%	0.500000
50%	3.000000
75%	5.400000
90%	8.100000
100%	29.700000

	L03_0_IP
Mean	0.2085701
SD	0.0845484
Missing	0.8752836
0%	0.0150000
10%	0.0970000
25%	0.1430000
50%	0.2120000
75%	0.2720000
90%	0.3130000
100%	0.4330000

	L03_1_IP
Mean	0.2449446
SD	8.2322246
Missing	0.8752836
0%	-36.8000000
10%	-7.4000000
25%	-3.6000000
50%	0.0000000
75%	3.4000000
90%	7.2000000
100%	61.1000000

	L06_0_IP
Mean	157655.8954843
SD	171450.7775597
Missing	0.9841773
0%	13767.4770000
10%	23720.8190000
25%	47911.0850000
50%	101682.3940000
75%	213277.0080000
90%	343431.5060000
100%	876315.1630000

- [1] “L06_0_IP - Real labor compensation (Million \$) Indexes or values”
- [1] “L06_1_IP - Real labor compensation (Million \$) Annual percent changes”
- [1] “L07_0_IP - Real labor compensation (2007=100) Indexes or values”
- [1] “L07_1_IP - Real labor compensation (2007=100) Annual percent changes”
- [1] “L20_0_IP - Hours worked (millions) Indexes or values”
- [1] “L20_1_IP - Hours worked (millions) Annual percent changes”
- [1] “M00_0_IP - Multifactor productivity (2007=100) Indexes or values”
- [1] “M00_1_IP - Multifactor productivity (2007=100) Annual percent changes”
- [1] “M01_0_IP - Combined inputs (2007=100) Indexes or values”
- [1] “M01_1_IP - Combined inputs (2007=100) Annual percent changes”
- [1] “M02_0_IP - Combined inputs costs (Million \$) Indexes or values”

	L06_1_IP
Mean	2.6334536
SD	2.2859695
Missing	0.9841773
0%	-1.3000000
10%	0.6000000
25%	1.3000000
50%	2.4000000
75%	3.4000000
90%	4.3000000
100%	15.3000000

	L07_0_IP
Mean	97.3606397
SD	7.9920670
Missing	0.9841773
0%	84.8390000
10%	91.6090000
25%	93.9390000
50%	95.8130000
75%	98.3730000
90%	103.7180000
100%	148.0380000

	L07_1_IP
Mean	2.6312842
SD	2.2862374
Missing	0.9841773
0%	-1.3000000
10%	0.6000000
25%	1.3000000
50%	2.4000000
75%	3.4000000
90%	4.3000000
100%	15.3000000

	L20_0_IP
Mean	2160.5365930
SD	3522.5316696
Missing	0.1999895
0%	1.7820000
10%	160.5880000
25%	326.7970000
50%	959.1810000
75%	2405.3680000
90%	4769.6760000
100%	25837.3900000

	L20_1_IP
Mean	0.8062899
SD	5.1476064
Missing	0.2000215
0%	-37.4000000
10%	-4.7000000
25%	-1.2000000
50%	1.2000000
75%	3.4000000
90%	5.9000000
100%	83.1000000

	M00_0_IP
Mean	97.5853995
SD	9.0425195
Missing	0.8752836
0%	43.3950000
10%	87.7980000
25%	92.4220000
50%	97.6490000
75%	101.6530000
90%	107.5290000
100%	149.7690000

	M00_1_IP
Mean	0.4475368
SD	4.9331829
Missing	0.8752836
0%	-31.3000000
10%	-4.9000000
25%	-2.0000000
50%	0.4000000
75%	2.9000000
90%	5.8000000
100%	25.8000000

	M01_0_IP
Mean	94.3067396
SD	15.9754323
Missing	0.8752836
0%	33.5920000
10%	74.7940000
25%	84.3810000
50%	95.7200000
75%	103.3300000
90%	111.6060000
100%	197.3650000

	M01_1_IP
Mean	-0.3531225
SD	6.1460977
Missing	0.8752836
0%	-42.8000000
10%	-6.6000000
25%	-2.6000000
50%	0.0000000
75%	3.0000000
90%	5.9000000
100%	45.2000000

	M02_0_IP
Mean	75326.3125007
SD	102260.6973195
Missing	0.8752836
0%	862.0960000
10%	9343.0810000
25%	23479.2620000
50%	44583.0060000
75%	84243.0790000
90%	162533.6990000
100%	790459.4690000

	M02_1_IP
Mean	1.8301942
SD	9.8616885
Missing	0.8752836
0%	-49.3000000
10%	-7.6000000
25%	-2.1000000
50%	2.1000000
75%	6.4000000
90%	12.0000000
100%	58.6000000

- [1] “M02_1_IP - Combined inputs costs (Million \$) Annual percent changes”
- [1] “M05_0_IP - Implicit combined inputs deflator (2007=100) Indexes or values”
- [1] “M05_1_IP - Implicit combined inputs deflator (2007=100) Annual percent changes”
- [1] “P00_0_IP - Intermediate purchases productivity (2007=100) Indexes or values”
- [1] “P00_1_IP - Intermediate purchases productivity (2007=100) Annual percent changes”
- [1] “P01_0_IP - Intermediate purchases (2007=100) Indexes or values”
- [1] “P01_1_IP - Intermediate purchases (2007=100) Annual percent changes”
- [1] “P02_0_IP - Intermediate purchases costs (Million \$) Indexes or values”
- [1] “P02_1_IP - Intermediate purchases costs (Million \$) Annual percent changes”
- [1] “P03_0_IP - Intermediate purchases cost share (percent) Indexes or values”
- [1] “P03_1_IP - Intermediate purchases cost share (percent) Annual percent changes”

	M05_0_IP
Mean	103.8631232
SD	15.7674118
Missing	0.8752836
0%	38.2890000
10%	82.1420000
25%	94.8300000
50%	105.7600000
75%	115.1160000
90%	121.3050000
100%	146.8210000

	M05_1_IP
Mean	2.1230933
SD	6.7452397
Missing	0.8752836
0%	-35.0000000
10%	-4.4000000
25%	-0.8000000
50%	2.0000000
75%	5.2000000
90%	8.6000000
100%	45.0000000

	P00_0_IP
Mean	97.9773217
SD	10.9176718
Missing	0.8752836
0%	41.0440000
10%	86.3670000
25%	92.6990000
50%	98.3010000
75%	102.8230000
90%	108.4230000
100%	164.5610000

	P00_1_IP
Mean	0.2567411
SD	5.6898398
Missing	0.8752836
0%	-35.5000000
10%	-5.7000000
25%	-2.8000000
50%	0.2000000
75%	3.0000000
90%	6.4000000
100%	35.4000000

	P01_0_IP
Mean	94.7799566
SD	20.0050505
Missing	0.8752836
0%	31.3690000
10%	71.7360000
25%	82.2830000
50%	95.5930000
75%	103.9980000
90%	116.6150000
100%	251.0200000

	P01_1_IP
Mean	0.0505394
SD	8.4687313
Missing	0.8752836
0%	-48.8000000
10%	-9.0000000
25%	-3.6000000
50%	0.2000000
75%	4.6000000
90%	9.1000000
100%	70.4000000

	P02_0_IP
Mean	47560.3673178
SD	84888.8467996
Missing	0.8752836
0%	487.1420000
10%	5481.9860000
25%	13252.5020000
50%	26138.8120000
75%	48333.4660000
90%	82805.2950000
100%	686736.7550000

	P02_1_IP
Mean	1.9525641
SD	10.9309137
Missing	0.8752836
0%	-49.2000000
10%	-9.0000000
25%	-3.1000000
50%	2.0000000
75%	7.2000000
90%	14.1000000
100%	84.2000000

	P03_0_IP
Mean	0.5822644
SD	0.1082248
Missing	0.8752836
0%	0.0900000
10%	0.4610000
25%	0.5130000
50%	0.5750000
75%	0.6500000
90%	0.7190000
100%	0.9170000

	P03_1_IP
Mean	0.1471475
SD	5.5177649
Missing	0.8752836
0%	-24.7000000
10%	-5.2000000
25%	-2.6000000
50%	-0.2000000
75%	2.5000000
90%	5.5000000
100%	63.6000000

	P06_0_IP
Mean	102.6393340
SD	17.7925562
Missing	0.8752836
0%	41.6480000
10%	85.6280000
25%	94.5620000
50%	100.9170000
75%	109.3130000
90%	119.3370000
100%	327.2640000

- [1] “P06_0_IP - Intermediate purchases to hours ratio (2007=100) Indexes or values”
- [1] “P06_1_IP - Intermediate purchases to hours ratio (2007=100) Annual percent changes”
- [1] “P07_0_IP - Contribution of intermediate purchases intensity (2007=100) Indexes or values”
- [1] “P07_1_IP - Contribution of intermediate purchases intensity (2007=100) Annual percent changes”
- [1] “T01_0_IP - Output (2007=100) Indexes or values”
- [1] “T01_1_IP - Output (2007=100) Annual percent changes”
- [1] “T05_0_IP - Implicit output deflator (2007=100) Indexes or values”
- [1] “T05_1_IP - Implicit output deflator (2007=100) Annual percent changes”
- [1] “T30_0_IP - Value of production (Million \$) Indexes or values”
- [1] “T30_1_IP - Value of production (Million \$) Annual percent changes”
- [1] “U10_0_IP - Unit labor costs (2007=100) Indexes or values”

	P06_1_IP
Mean	1.0680012
SD	7.9892427
Missing	0.8752836
0%	-44.4000000
10%	-6.8000000
25%	-3.2000000
50%	0.7000000
75%	5.1000000
90%	9.9000000
100%	87.3000000

	P07_0_IP
Mean	101.0418141
SD	8.9593046
Missing	0.8752836
0%	62.1270000
10%	91.5330000
25%	97.1140000
50%	100.4410000
75%	105.0620000
90%	111.5360000
100%	162.8500000

	P07_1_IP
Mean	0.5496190
SD	4.7070100
Missing	0.8752836
0%	-30.4000000
10%	-4.1000000
25%	-1.8000000
50%	0.4000000
75%	2.9000000
90%	5.6000000
100%	48.5000000

	T01_0_IP
Mean	98.8938099
SD	23.2819722
Missing	0.5953524
0%	31.8080000
10%	76.7970000
25%	87.9060000
50%	97.3870000
75%	104.5800000
90%	118.7230000
100%	337.5310000

	T01_1_IP
Mean	1.4027697
SD	6.8788785
Missing	0.5955828
0%	-44.8000000
10%	-4.9000000
25%	-1.1000000
50%	1.7000000
75%	4.3000000
90%	7.6000000
100%	51.9000000

	T05_0_IP
Mean	106.5441378
SD	15.8571758
Missing	0.5953524
0%	33.2030000
10%	89.0440000
25%	98.4840000
50%	106.8420000
75%	115.6710000
90%	124.2070000
100%	233.8450000

	T05_1_IP
Mean	1.4459923
SD	5.5740221
Missing	0.5955828
0%	-46.9000000
10%	-2.3000000
25%	-0.1000000
50%	1.4000000
75%	2.9000000
90%	5.3000000
100%	58.1000000

	T30_0_IP
Mean	345597.1022221
SD	802051.0665165
Missing	0.5953524
0%	862.0960000
10%	20288.7250000
25%	39504.0000000
50%	103933.1400000
75%	318352.0000000
90%	619167.0800000
100%	6012058.5880000

	T30_1_IP
Mean	2.8593438
SD	8.8270489
Missing	0.5955828
0%	-49.3000000
10%	-5.0000000
25%	-0.3000000
50%	3.3000000
75%	6.3000000
90%	10.3000000
100%	59.5000000

	U10_0_IP
Mean	108.0007650
SD	16.5603146
Missing	0.5953524
0%	50.3540000
10%	89.9340000
25%	98.4190000
50%	106.3160000
75%	116.7240000
90%	128.0280000
100%	303.9710000

	U10_1_IP
Mean	1.4219508
SD	5.3571950
Missing	0.5955828
0%	-35.9000000
10%	-3.9000000
25%	-1.1000000
50%	1.5000000
75%	3.9000000
90%	6.6000000
100%	51.7000000

- [1] “U10_1_IP - Unit labor costs (2007=100) Annual percent changes”
- [1] “U11_0_IP - Labor compensation (2007=100) Indexes or values”
- [1] “U11_1_IP - Labor compensation (2007=100) Annual percent changes”
- [1] “U12_0_IP - Hourly compensation (2007=100) Indexes or values”
- [1] “U12_1_IP - Hourly compensation (2007=100) Annual percent changes”
- [1] “U13_0_IP - Hourly compensation (\$ / Hour) Indexes or values”
- [1] “U13_1_IP - Hourly compensation (\$ / Hour) Annual percent changes”
- [1] “U14_0_IP - Real hourly labor compensation (\$ / Hour) Indexes or values”
- [1] “U14_1_IP - Real hourly labor compensation (\$ / Hour) Annual percent changes”
- [1] “U15_0_IP - Real hourly labor compensation (2007=100) Indexes or values”
- [1] “U15_1_IP - Real hourly labor compensation (2007=100) Annual percent changes”

	U11_0_IP
Mean	105.4343875
SD	22.8740459
Missing	0.5949745
0%	29.5430000
10%	81.0870000
25%	92.0150000
50%	102.2670000
75%	116.6440000
90%	132.3460000
100%	334.1480000

	U11_1_IP
Mean	2.624005
SD	5.666129
Missing	0.595205
0%	-39.200000
10%	-3.300000
25%	0.500000
50%	3.000000
75%	5.400000
90%	8.100000
100%	29.700000

	U12_0_IP
Mean	110.6551510
SD	18.0749592
Missing	0.5949745
0%	42.3890000
10%	89.8070000
25%	100.0000000
50%	110.2390000
75%	120.4210000
90%	130.1320000
100%	357.1210000

	U12_1_IP
Mean	2.765705
SD	4.387767
Missing	0.595205
0%	-40.200000
10%	-1.900000
25%	0.600000
50%	2.700000
75%	4.700000
90%	7.300000
100%	41.800000

	U13_0_IP
Mean	34.3309945
SD	5.4653147
Missing	0.9841773
0%	26.6350000
10%	28.7620000
25%	30.2860000
50%	32.7960000
75%	37.2620000
90%	42.2340000
100%	51.4320000

	U13_1_IP
Mean	2.7517377
SD	1.5369325
Missing	0.9841773
0%	-1.1000000
10%	0.8000000
25%	1.6000000
50%	2.8000000
75%	3.8000000
90%	4.7000000
100%	6.5000000

	U14_0_IP
Mean	35.1827186
SD	3.4193246
Missing	0.9841773
0%	26.9850000
10%	30.8710000
25%	32.7720000
50%	35.1310000
75%	37.3790000
90%	39.1400000
100%	44.1520000

	U14_1_IP
Mean	0.4844781
SD	1.6087417
Missing	0.9841773
0%	-3.7000000
10%	-1.7000000
25%	-0.7000000
50%	0.6000000
75%	1.8000000
90%	2.5000000
100%	3.0000000

	U15_0_IP
Mean	101.5556498
SD	3.6307656
Missing	0.9841773
0%	94.1700000
10%	97.6720000
25%	98.7140000
50%	101.5440000
75%	103.1730000
90%	105.0980000
100%	114.5230000

	U15_1_IP
Mean	0.4860847
SD	1.6051071
Missing	0.9841773
0%	-3.7000000
10%	-1.7000000
25%	-0.7000000
50%	0.6000000
75%	1.8000000
90%	2.5000000
100%	3.0000000

	W00_0_IP
Mean	104.0916524
SD	18.8564834
Missing	0.5953524
0%	35.3280000
10%	87.9880000
25%	95.0440000
50%	100.5340000
75%	109.0930000
90%	121.0540000
100%	257.7520000

- [1] “W00_0_IP - Output per employee (2007=100) Indexes or values”
- [1] “W00_1_IP - Output per employee (2007=100) Annual percent changes”
- [1] “W01_0_IP - Employment (2007=100) Indexes or values”
- [1] “W01_1_IP - Employment (2007=100) Annual percent changes”
- [1] “W20_0_IP - Employment (thousands) Indexes or values”
- [1] “W20_1_IP - Employment (thousands) Annual percent changes”

Employer Cost Data

General Statistics

exact industry-occupation-year-area matches number, 56

	W00_1_IP
Mean	1.5210390
SD	5.9677030
Missing	0.5955828
0%	-34.8000000
10%	-4.2000000
25%	-1.3000000
50%	1.2000000
75%	3.9000000
90%	7.7000000
100%	63.5000000

	W01_0_IP
Mean	99.8686083
SD	18.6202625
Missing	0.1999895
0%	28.5320000
10%	81.9230000
25%	91.3860000
50%	98.6870000
75%	105.3600000
90%	119.4120000
100%	523.0770000

	W01_1_IP
Mean	0.8061349
SD	4.4571397
Missing	0.2000215
0%	-36.4000000
10%	-3.9000000
25%	-0.8000000
50%	1.2000000
75%	3.0000000
90%	4.8000000
100%	83.3000000

	W20_0_IP
Mean	1288.7649104
SD	2188.9013748
Missing	0.1999895
0%	1.1000000
10%	87.2000000
25%	183.0000000
50%	537.9000000
75%	1412.2000000
90%	3055.3000000
100%	16681.9000000

	W20_1_IP
Mean	0.8060941
SD	4.4571036
Missing	0.2000215
0%	-36.4000000
10%	-3.9000000
25%	-0.8000000
50%	1.2000000
75%	3.0000000
90%	4.8000000
100%	83.3000000

Number of digits industries aggregated by	freq
1	119
2	2316
3	9514
4	29016
5	5576
6	330

Number of digits occupations were aggregated by	freq
1	31
2	4
3	183
4	290

proportion, 0.0000242

aggregated industry-occuation-year-area matches (just industry was aggregated, occupation perfect match) table of the number of industry digits that were aggregated

aggregated industry-occuation-year-area matches (just occupation was aggregated, industry perfect match) number, 508

proportion, 0.0002196

table of the number of digits occupations were aggregated by

aggregated industry-occuation-year-area matches (occupation & industry were both aggregated) number, 832034

proportion, 0.3596996

table of the number of digits occupation-industry pairs were aggregated by

missing industry-occupation-year-area matches number, 1433667

proportion, 0.6197936

Years covered 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020

Measure Statistics

[1] “01_D_CM - Total compensation Cost of compensation (Cost per hour worked)”

	2	3	4	5	6
1	3751	18221	49623	8742	778
2	114	290	638	151	0
3	15404	53751	120933	20070	1347
4	48433	136932	304518	46828	1510

	01_D_CM
Mean	26.2929210
SD	4.6309972
Missing	0.6197936
0%	17.7825000
10%	21.4775000
25%	23.6425000
50%	25.3575000
75%	28.1550000
90%	31.9625000
100%	64.9800000

	01_L_CM
Mean	28.4734190
SD	0.6159946
Missing	0.9979820
0%	27.6600000
10%	27.6600000
25%	27.6800000
50%	28.6100000
75%	28.9400000
90%	29.1500000
100%	29.3500000

[1] “01_L_CM - Total compensation Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “01_M_CM - Total compensation Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “01_N_CM - Total compensation Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “01_P_CM - Total compensation Percent of total compensation”

[1] “01_R_CM - Total compensation Average employer cost per employee hour worked at 90th percentile, constant dollar”

[1] “01_T_CM - Total compensation Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “01_X_CM - Total compensation Average employer cost per employee hour worked at 10th percentile, constant dollar”

	01_M_CM
Mean	25.309981
SD	1.811702
Missing	0.997982
0%	22.970000
10%	23.290000
25%	23.340000
50%	24.760000
75%	26.630000
90%	27.870000
100%	28.400000

	01_N_CM
Mean	64.083618
SD	5.905304
Missing	0.997982
0%	56.050000
10%	56.740000
25%	58.480000
50%	62.920000
75%	69.080000
90%	72.620000
100%	74.170000

	01_P_CM
Mean	100.0000000
SD	0.0000000
Missing	0.6197936
0%	100.0000000
10%	100.0000000
25%	100.0000000
50%	100.0000000
75%	100.0000000
90%	100.0000000
100%	100.0000000

	01_R_CM
Mean	72.005966
SD	2.741641
Missing	0.997982
0%	69.050000
10%	69.080000
25%	69.240000
50%	70.530000
75%	75.020000
90%	75.680000
100%	76.120000

	01_T_CM
Mean	11.139539
SD	1.014612
Missing	0.997982
0%	10.100000
10%	10.120000
25%	10.240000
50%	10.670000
75%	11.920000
90%	12.710000
100%	13.150000

	01_X_CM
Mean	12.5227828
SD	0.5151649
Missing	0.9979820
0%	11.8600000
10%	11.9200000
25%	11.9700000
50%	12.3500000
75%	12.9600000
90%	13.2400000
100%	13.5000000

	02_D_CM
Mean	17.8766229
SD	3.0385872
Missing	0.6197936
0%	13.5700000
10%	14.9075000
25%	16.0700000
50%	17.3775000
75%	18.9350000
90%	21.5550000
100%	43.1400000

[1] “02_D_CM - Wages and salaries Cost of compensation (Cost per hour worked)”

[1] “02_L_CM - Wages and salaries Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “02_M_CM - Wages and salaries Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “02_N_CM - Wages and salaries Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “02_P_CM - Wages and salaries Percent of total compensation”

[1] “02_R_CM - Wages and salaries Average employer cost per employee hour worked at 90th percentile, constant dollar”

[1] “02_T_CM - Wages and salaries Average employer cost per employee hour worked at 10th percentile, current dollar”

	02_L_CM
Mean	19.1927078
SD	0.3742185
Missing	0.9979820
0%	18.5700000
10%	18.6700000
25%	18.7700000
50%	19.2300000
75%	19.5200000
90%	19.6500000
100%	19.6700000

	02_M_CM
Mean	17.057166
SD	1.132222
Missing	0.997982
0%	15.700000
10%	15.880000
25%	15.930000
50%	16.570000
75%	17.900000
90%	18.730000
100%	19.150000

	02_N_CM
Mean	43.092571
SD	3.469669
Missing	0.997982
0%	38.700000
10%	39.100000
25%	39.900000
50%	41.940000
75%	45.990000
90%	48.420000
100%	49.320000

	02_P_CM
Mean	68.1400685
SD	2.9006510
Missing	0.6197936
0%	64.3250000
10%	65.6750000
25%	66.3750000
50%	67.5000000
75%	68.2500000
90%	74.8250000
100%	76.6750000

	02_R_CM
Mean	48.454160
SD	1.379477
Missing	0.997982
0%	46.680000
10%	46.800000
25%	47.020000
50%	48.200000
75%	49.760000
90%	50.460000
100%	50.620000

	02_T_CM
Mean	8.9426714
SD	0.8425859
Missing	0.9979820
0%	8.0200000
10%	8.1400000
25%	8.2200000
50%	8.5300000
75%	9.5600000
90%	10.2800000
100%	10.6100000

	02_X_CM
Mean	10.0497793
SD	0.4360746
Missing	0.9979820
0%	9.5100000
10%	9.5600000
25%	9.5600000
50%	9.9100000
75%	10.3800000
90%	10.7100000
100%	10.8900000

[1] “02_X_CM - Wages and salaries Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “03_D_CM - Total benefits Cost of compensation (Cost per hour worked)”

[1] “03_L_CM - Total benefits Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “03_M_CM - Total benefits Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “03_N_CM - Total benefits Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “03_P_CM - Total benefits Percent of total compensation”

[1] “03_R_CM - Total benefits Average employer cost per employee hour worked at 90th percentile, constant dollar”

	03_D_CM
Mean	8.4166162
SD	1.7926662
Missing	0.6197936
0%	4.1475000
10%	6.0500000
25%	7.5275000
50%	8.4750000
75%	9.5150000
90%	10.5350000
100%	21.8400000

	03_L_CM
Mean	9.2805998
SD	0.3210311
Missing	0.9979820
0%	8.7900000
10%	8.9000000
25%	8.9900000
50%	9.1900000
75%	9.6300000
90%	9.6800000
100%	9.7200000

	03_M_CM
Mean	8.2535840
SD	0.6974304
Missing	0.9979820
0%	7.2700000
10%	7.4100000
25%	7.4100000
50%	8.1900000
75%	8.7400000
90%	9.1400000
100%	9.2500000

	03_N_CM
Mean	20.989434
SD	2.457961
Missing	0.997982
0%	17.350000
10%	17.650000
25%	18.580000
50%	20.980000
75%	23.090000
90%	24.200000
100%	24.840000

	03_P_CM
Mean	31.8599315
SD	2.9006510
Missing	0.6197936
0%	23.3250000
10%	25.1750000
25%	31.7500000
50%	32.5000000
75%	33.6250000
90%	34.3250000
100%	35.6750000

	03_R_CM
Mean	23.550919
SD	1.484954
Missing	0.997982
0%	21.490000
10%	21.610000
25%	22.020000
50%	23.520000
75%	25.090000
90%	25.260000
100%	25.500000

	03_T_CM
Mean	2.1966410
SD	0.1779871
Missing	0.9979820
0%	1.9600000
10%	2.0200000
25%	2.0400000
50%	2.1400000
75%	2.3700000
90%	2.4300000
100%	2.5400000

[1] “03_T_CM - Total benefits Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “03_X_CM - Total benefits Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “04_D_CM - Paid leave Cost of compensation (Cost per hour worked)”

[1] “04_L_CM - Paid leave Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “04_M_CM - Paid leave Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “04_N_CM - Paid leave Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “04_P_CM - Paid leave Percent of total compensation”

	03_X_CM
Mean	2.4721444
SD	0.0929315
Missing	0.9979820
0%	2.3500000
10%	2.3600000
25%	2.3900000
50%	2.4500000
75%	2.5600000
90%	2.6000000
100%	2.6100000

	04_D_CM
Mean	1.6939374
SD	0.3477022
Missing	0.6197936
0%	0.8525000
10%	1.2200000
25%	1.4900000
50%	1.6750000
75%	1.8825000
90%	2.1575000
100%	4.9550000

	04_L_CM
Mean	1.8031341
SD	0.0745989
Missing	0.9979820
0%	1.7000000
10%	1.7000000
25%	1.7300000
50%	1.8000000
75%	1.8500000
90%	1.9000000
100%	1.9500000

	04_M_CM
Mean	1.6060176
SD	0.1432187
Missing	0.9979820
0%	1.4400000
10%	1.4500000
25%	1.4700000
50%	1.5400000
75%	1.6800000
90%	1.7900000
100%	1.9000000

	04_N_CM
Mean	4.9795887
SD	0.5917792
Missing	0.9979820
0%	4.2700000
10%	4.2900000
25%	4.3900000
50%	4.9000000
75%	5.4400000
90%	5.8800000
100%	6.0400000

	04_P_CM
Mean	6.4370621
SD	0.7180398
Missing	0.6197936
0%	3.9250000
10%	5.5250000
25%	5.9000000
50%	6.5000000
75%	7.0500000
90%	7.2500000
100%	9.7000000

	04_R_CM
Mean	5.5887489
SD	0.3584248
Missing	0.9979820
0%	5.1900000
10%	5.2000000
25%	5.2100000
50%	5.5000000
75%	5.9100000
90%	6.1300000
100%	6.1900000

[1] “04_R_CM - Paid leave Average employer cost per employee hour worked at 90th percentile, constant dollar”

[1] “04_T_CM - Paid leave Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “04_X_CM - Paid leave Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “05_D_CM - Vacation Cost of compensation (Cost per hour worked)”

[1] “05_P_CM - Vacation Percent of total compensation”

[1] “06_D_CM - Holiday Cost of compensation (Cost per hour worked)”

[1] “06_P_CM - Holiday Percent of total compensation”

[1] “07_D_CM - Sick leave Cost of compensation (Cost per hour worked)”

[1] “07_P_CM - Sick leave Percent of total compensation”

	04_T_CM
Mean	0.2536161
SD	0.0393839
Missing	0.9979820
0%	0.2100000
10%	0.2200000
25%	0.2300000
50%	0.2300000
75%	0.2900000
90%	0.3000000
100%	0.3500000

	04_X_CM
Mean	0.2841988
SD	0.0313407
Missing	0.9979820
0%	0.2500000
10%	0.2500000
25%	0.2600000
50%	0.2700000
75%	0.3100000
90%	0.3200000
100%	0.3600000

	05_D_CM
Mean	1.051238
SD	0.164665
Missing	0.997081
0%	0.770000
10%	0.797500
25%	0.955000
50%	1.042500
75%	1.165000
90%	1.310000
100%	1.372500

	05_P_CM
Mean	3.3574422
SD	0.1269528
Missing	0.9970810
0%	3.0750000
10%	3.1000000
25%	3.3250000
50%	3.4000000
75%	3.4000000
90%	3.5250000
100%	3.6000000

	06_D_CM
Mean	0.6774911
SD	0.0669625
Missing	0.9970810
0%	0.5700000
10%	0.5875000
25%	0.6425000
50%	0.6625000
75%	0.7175000
90%	0.7900000
100%	0.8325000

	06_P_CM
Mean	2.1819757
SD	0.0839461
Missing	0.9970810
0%	2.1000000
10%	2.1000000
25%	2.1000000
50%	2.1250000
75%	2.2750000
90%	2.3000000
100%	2.3000000

	07_D_CM
Mean	0.3327399
SD	0.0499910
Missing	0.9970810
0%	0.2500000
10%	0.2550000
25%	0.3125000
50%	0.3275000
75%	0.3550000
90%	0.4175000
100%	0.4525000

	07_P_CM
Mean	1.0807316
SD	0.0501618
Missing	0.9970810
0%	1.0000000
10%	1.0000000
25%	1.0500000
50%	1.1000000
75%	1.1000000
90%	1.1250000
100%	1.2000000

	08_D_CM
Mean	0.1200170
SD	0.0272684
Missing	0.9970810
0%	0.0825000
10%	0.0875000
25%	0.0950000
50%	0.1200000
75%	0.1475000
90%	0.1600000
100%	0.1625000

	08_P_CM
Mean	0.3738485
SD	0.0407522
Missing	0.9970810
0%	0.3000000
10%	0.3000000
25%	0.3500000
50%	0.4000000
75%	0.4000000
90%	0.4000000
100%	0.4000000

[1] “08_D_CM - Personal leave Cost of compensation (Cost per hour worked)”

[1] “08_P_CM - Personal leave Percent of total compensation”

[1] “09_D_CM - Supplemental pay Cost of compensation (Cost per hour worked)”

[1] “09_L_CM - Supplemental pay Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “09_M_CM - Supplemental pay Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “09_N_CM - Supplemental pay Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “09_P_CM - Supplemental pay Percent of total compensation”

[1] “09_R_CM - Supplemental pay Average employer cost per employee hour worked at 90th percentile, constant dollar”

	09_D_CM
Mean	0.7791605
SD	0.2818261
Missing	0.6197936
0%	0.1025000
10%	0.4575000
25%	0.5325000
50%	0.7075000
75%	1.0150000
90%	1.1500000
100%	1.8825000

	09_L_CM
Mean	0.7221465
SD	0.0858571
Missing	0.9979820
0%	0.6300000
10%	0.6300000
25%	0.6300000
50%	0.6900000
75%	0.7600000
90%	0.8700000
100%	0.8700000

	09_M_CM
Mean	0.6455441
SD	0.1122472
Missing	0.9979820
0%	0.5200000
10%	0.5400000
25%	0.5500000
50%	0.6100000
75%	0.7000000
90%	0.8400000
100%	0.8500000

	09_N_CM
Mean	1.6552806
SD	0.3027647
Missing	0.9979820
0%	1.1600000
10%	1.3000000
25%	1.3800000
50%	1.7000000
75%	1.9400000
90%	2.1100000
100%	2.1200000

	09_P_CM
Mean	2.9434352
SD	0.8916857
Missing	0.6197936
0%	0.2000000
10%	1.9250000
25%	2.2000000
50%	2.7500000
75%	3.4000000
90%	4.2500000
100%	4.9750000

	09_R_CM
Mean	1.8498372
SD	0.2449655
Missing	0.9979820
0%	1.4100000
10%	1.6100000
25%	1.6200000
50%	1.8900000
75%	2.0300000
90%	2.1700000
100%	2.2400000

	09_T_CM
Mean	0.1295330
SD	0.0251755
Missing	0.9979820
0%	0.1000000
10%	0.1100000
25%	0.1100000
50%	0.1100000
75%	0.1500000
90%	0.1700000
100%	0.1800000

[1] “09_T_CM - Supplemental pay Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “09_X_CM - Supplemental pay Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “10_D_CM - Overtime and premium pay Cost of compensation (Cost per hour worked)”

[1] “10_P_CM - Overtime and premium pay Percent of total compensation”

[1] “11_D_CM - Shift differentials Cost of compensation (Cost per hour worked)”

[1] “11_P_CM - Shift differentials Percent of total compensation”

[1] “12_D_CM - Nonproduction bonuses Cost of compensation (Cost per hour worked)”

[1] “12_P_CM - Nonproduction bonuses Percent of total compensation”

[1] “13_D_CM - Insurance Cost of compensation (Cost per hour worked)”

	09_X_CM
Mean	0.1466153
SD	0.0219244
Missing	0.9979820
0%	0.1200000
10%	0.1300000
25%	0.1300000
50%	0.1300000
75%	0.1600000
90%	0.1800000
100%	0.1800000

	10_D_CM
Mean	0.2544316
SD	0.0211848
Missing	0.9970810
0%	0.2200000
10%	0.2300000
25%	0.2425000
50%	0.2550000
75%	0.2625000
90%	0.2900000
100%	0.3125000

	10_P_CM
Mean	0.8285434
SD	0.0553344
Missing	0.9970810
0%	0.7250000
10%	0.7750000
25%	0.8000000
50%	0.8000000
75%	0.9000000
90%	0.9000000
100%	0.9000000

	11_D_CM
Mean	0.0634705
SD	0.0052860
Missing	0.9970810
0%	0.0600000
10%	0.0600000
25%	0.0600000
50%	0.0600000
75%	0.0675000
90%	0.0725000
100%	0.0775000

	11_P_CM
Mean	0.200000
SD	0.000000
Missing	0.997081
0%	0.200000
10%	0.200000
25%	0.200000
50%	0.200000
75%	0.200000
90%	0.200000
100%	0.200000

	12_D_CM
Mean	0.5177092
SD	0.1618119
Missing	0.9970810
0%	0.3175000
10%	0.3550000
25%	0.4025000
50%	0.4450000
75%	0.6800000
90%	0.7825000
100%	0.8100000

	12_P_CM
Mean	1.6308649
SD	0.3292858
Missing	0.9970810
0%	1.2750000
10%	1.3250000
25%	1.3750000
50%	1.4500000
75%	1.9250000
90%	2.2250000
100%	2.2500000

	13_D_CM
Mean	2.6396235
SD	0.6317326
Missing	0.6197936
0%	0.9775000
10%	1.5550000
25%	2.3475000
50%	2.8000000
75%	3.0475000
90%	3.2250000
100%	7.1100000

	13_L_CM
Mean	3.2637061
SD	0.1296797
Missing	0.9979820
0%	3.0900000
10%	3.1100000
25%	3.1200000
50%	3.2500000
75%	3.3500000
90%	3.4400000
100%	3.5200000

	13_M_CM
Mean	2.9045180
SD	0.2478036
Missing	0.9979820
0%	2.4800000
10%	2.6200000
25%	2.6300000
50%	2.9600000
75%	3.1400000
90%	3.1800000
100%	3.2400000

[1] “13_L_CM - Insurance Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “13_M_CM - Insurance Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “13_N_CM - Insurance Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “13_P_CM - Insurance Percent of total compensation”

[1] “13_R_CM - Insurance Average employer cost per employee hour worked at 90th percentile, constant dollar”

[1] “13_T_CM - Insurance Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “13_X_CM - Insurance Average employer cost per employee hour worked at 10th percentile, constant dollar”

	13_N_CM
Mean	5.5908912
SD	0.5360389
Missing	0.9979820
0%	4.6100000
10%	4.8200000
25%	5.0700000
50%	5.7300000
75%	6.0800000
90%	6.1600000
100%	6.2800000

	13_P_CM
Mean	10.0053086
SD	1.6231715
Missing	0.6197936
0%	5.5250000
10%	6.7750000
25%	9.5250000
50%	10.7000000
75%	11.2000000
90%	11.4750000
100%	12.2500000

	13_R_CM
Mean	6.2797729
SD	0.2847482
Missing	0.9979820
0%	5.7400000
10%	5.8700000
25%	6.0100000
50%	6.3900000
75%	6.5400000
90%	6.5600000
100%	6.6000000

	13_T_CM
Mean	0.5107112
SD	0.0745949
Missing	0.9979820
0%	0.4200000
10%	0.4300000
25%	0.4400000
50%	0.4900000
75%	0.5900000
90%	0.6200000
100%	0.6500000

	13_X_CM
Mean	0.5738368
SD	0.0564494
Missing	0.9979820
0%	0.5000000
10%	0.5100000
25%	0.5200000
50%	0.5600000
75%	0.6100000
90%	0.6600000
100%	0.6700000

	14_D_CM
Mean	0.0477188
SD	0.0036751
Missing	0.9970810
0%	0.0400000
10%	0.0400000
25%	0.0450000
50%	0.0500000
75%	0.0500000
90%	0.0500000
100%	0.0500000

	14_P_CM
Mean	0.1565462
SD	0.0468563
Missing	0.9970810
0%	0.1000000
10%	0.1000000
25%	0.1000000
50%	0.1750000
75%	0.2000000
90%	0.2000000
100%	0.2000000

[1] “14_D_CM - Life insurance Cost of compensation (Cost per hour worked)”

[1] “14_P_CM - Life insurance Percent of total compensation”

[1] “15_D_CM - Health insurance Cost of compensation (Cost per hour worked)”

[1] “15_L_CM - Health insurance Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “15_M_CM - Health insurance Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “15_N_CM - Health insurance Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “15_P_CM - Health insurance Percent of total compensation”

[1] “15_R_CM - Health insurance Average employer cost per employee hour worked at 90th percentile, constant dollar”

	15_D_CM
Mean	2.5455406
SD	0.3825711
Missing	0.9970810
0%	1.8325000
10%	1.9600000
25%	2.2725000
50%	2.6000000
75%	2.8625000
90%	3.0550000
100%	3.1400000

	15_L_CM
Mean	3.1393059
SD	0.1309838
Missing	0.9979820
0%	2.9500000
10%	2.9900000
25%	3.0000000
50%	3.1300000
75%	3.2300000
90%	3.3100000
100%	3.3900000

	15_M_CM
Mean	2.7930570
SD	0.2445426
Missing	0.9979820
0%	2.3700000
10%	2.5000000
25%	2.5200000
50%	2.8600000
75%	3.0200000
90%	3.0600000
100%	3.1200000

	15_N_CM
Mean	5.2890703
SD	0.5097374
Missing	0.9979820
0%	4.3500000
10%	4.5500000
25%	4.7900000
50%	5.4400000
75%	5.7600000
90%	5.8200000
100%	5.9300000

	15_P_CM
Mean	8.1341084
SD	0.3633757
Missing	0.9970810
0%	7.2750000
10%	7.5500000
25%	7.9000000
50%	8.3000000
75%	8.4000000
90%	8.5250000
100%	8.5250000

	15_R_CM
Mean	5.9404306
SD	0.2768454
Missing	0.9979820
0%	5.4100000
10%	5.5400000
25%	5.6800000
50%	6.0400000
75%	6.2100000
90%	6.2100000
100%	6.2600000

	15_T_CM
Mean	0.4976478
SD	0.0706142
Missing	0.9979820
0%	0.4000000
10%	0.4300000
25%	0.4300000
50%	0.4800000
75%	0.5700000
90%	0.6000000
100%	0.6300000

[1] “15_T_CM - Health insurance Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “15_X_CM - Health insurance Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “16_D_CM - Short-term disability insurance Cost of compensation (Cost per hour worked)”

[1] “16_P_CM - Short-term disability insurance Percent of total compensation”

[1] “17_D_CM - Long-term disability insurance Cost of compensation (Cost per hour worked)”

[1] “17_P_CM - Long-term disability insurance Percent of total compensation”

[1] “18_D_CM - Retirement and savings Cost of compensation (Cost per hour worked)”

[1] “18_L_CM - Retirement and savings Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

	15_X_CM
Mean	0.5572151
SD	0.0565689
Missing	0.9979820
0%	0.4900000
10%	0.4900000
25%	0.5000000
50%	0.5400000
75%	0.6000000
90%	0.6500000
100%	0.6500000

	16_D_CM
Mean	0.0527721
SD	0.0060396
Missing	0.9970810
0%	0.0425000
10%	0.0500000
25%	0.0500000
50%	0.0500000
75%	0.0575000
90%	0.0600000
100%	0.0700000

	16_P_CM
Mean	0.1985041
SD	0.0059299
Missing	0.9970810
0%	0.1750000
10%	0.2000000
25%	0.2000000
50%	0.2000000
75%	0.2000000
90%	0.2000000
100%	0.2000000

	17_D_CM
Mean	0.0420083
SD	0.0057481
Missing	0.9970810
0%	0.0300000
10%	0.0325000
25%	0.0400000
50%	0.0400000
75%	0.0475000
90%	0.0500000
100%	0.0500000

	17_P_CM
Mean	0.100000
SD	0.000000
Missing	0.997081
0%	0.100000
10%	0.100000
25%	0.100000
50%	0.100000
75%	0.100000
90%	0.100000
100%	0.100000

	18_D_CM
Mean	1.0711150
SD	0.5069353
Missing	0.6197936
0%	0.3800000
10%	0.6150000
25%	0.8275000
50%	0.9750000
75%	1.2375000
90%	1.5825000
100%	8.4325000

	18_L_CM
Mean	1.0492031
SD	0.0777741
Missing	0.9979820
0%	0.9200000
10%	0.9700000
25%	0.9700000
50%	1.0400000
75%	1.1200000
90%	1.1500000
100%	1.1700000

[1] “18_M_CM - Retirement and savings Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “18_N_CM - Retirement and savings Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “18_P_CM - Retirement and savings Percent of total compensation”

[1] “18_R_CM - Retirement and savings Average employer cost per employee hour worked at 90th percentile, constant dollar”

[1] “18_T_CM - Retirement and savings Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “18_X_CM - Retirement and savings Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “19_D_CM - Defined benefit Cost of compensation (Cost per hour worked)”

	18_M_CM
Mean	0.9349165
SD	0.1127598
Missing	0.9979820
0%	0.8000000
10%	0.8100000
25%	0.8300000
50%	0.8600000
75%	1.0600000
90%	1.0800000
100%	1.1100000

	18_N_CM
Mean	4.4639075
SD	0.7423696
Missing	0.9979820
0%	3.3200000
10%	3.5400000
25%	3.7300000
50%	4.3500000
75%	5.0300000
90%	5.4900000
100%	5.5900000

	18_P_CM
Mean	3.9652367
SD	0.9740741
Missing	0.6197936
0%	2.1250000
10%	2.5500000
25%	3.5000000
50%	3.9750000
75%	4.4000000
90%	5.0750000
100%	12.9750000

	18_R_CM
Mean	4.9956384
SD	0.5693564
Missing	0.9979820
0%	4.1400000
10%	4.3100000
25%	4.4200000
50%	4.8800000
75%	5.4800000
90%	5.7200000
100%	5.7400000

	18_T_CM
Mean	0.0870094
SD	0.0136601
Missing	0.9979820
0%	0.0600000
10%	0.0700000
25%	0.0800000
50%	0.0900000
75%	0.1000000
90%	0.1000000
100%	0.1100000

	18_X_CM
Mean	0.0963668
SD	0.0131724
Missing	0.9979820
0%	0.0700000
10%	0.0800000
25%	0.0900000
50%	0.1000000
75%	0.1000000
90%	0.1100000
100%	0.1200000

	19_D_CM
Mean	0.9241066
SD	0.1987295
Missing	0.9970810
0%	0.6300000
10%	0.6950000
25%	0.7650000
50%	0.8600000
75%	1.1225000
90%	1.2125000
100%	1.2200000

[1] “19_P_CM - Defined benefit Percent of total compensation”

[1] “20_D_CM - Defined contribution Cost of compensation (Cost per hour worked)”

[1] “20_P_CM - Defined contribution Percent of total compensation”

[1] “21_D_CM - Legally Required benefits Cost of compensation (Cost per hour worked)”

[1] “21_L_CM - Legally Required benefits Average employer cost per employee hour worked at 50th percentile (median), constant dollar”

[1] “21_M_CM - Legally Required benefits Average employer cost per employee worked at 50th percentile (median), current dollar”

[1] “21_N_CM - Legally Required benefits Average employer cost per employee hour worked at 90th percentile, current dollar”

[1] “21_P_CM - Legally Required benefits Percent of total compensation”

	19_P_CM
Mean	2.9330235
SD	0.2974689
Missing	0.9970810
0%	2.5000000
10%	2.6500000
25%	2.6750000
50%	2.8000000
75%	3.2500000
90%	3.3250000
100%	3.4500000

	20_D_CM
Mean	0.5695712
SD	0.1126375
Missing	0.9970810
0%	0.4050000
10%	0.4200000
25%	0.5050000
50%	0.5550000
75%	0.6650000
90%	0.7425000
100%	0.7725000

	20_P_CM
Mean	1.8089011
SD	0.1482156
Missing	0.9970810
0%	1.6000000
10%	1.6000000
25%	1.7000000
50%	1.8000000
75%	1.9500000
90%	2.0000000
100%	2.0000000

	21_D_CM
Mean	2.2284146
SD	0.4305462
Missing	0.6197936
0%	1.5375000
10%	1.7275000
25%	1.8775000
50%	2.1650000
75%	2.4875000
90%	2.8775000
100%	3.5550000

	21_L_CM
Mean	2.4408783
SD	0.0718061
Missing	0.9979820
0%	2.3200000
10%	2.3600000
25%	2.3800000
50%	2.4500000
75%	2.5000000
90%	2.5300000
100%	2.5600000

	21_M_CM
Mean	2.1701157
SD	0.1210021
Missing	0.9979820
0%	1.9600000
10%	1.9700000
25%	2.0000000
50%	2.2200000
75%	2.2600000
90%	2.2700000
100%	2.3000000

	21_N_CM
Mean	4.3003535
SD	0.3258746
Missing	0.9979820
0%	3.8400000
10%	3.8600000
25%	4.0200000
50%	4.2400000
75%	4.6100000
90%	4.7500000
100%	4.8200000

	21_P_CM
Mean	8.4936441
SD	0.9779744
Missing	0.6197936
0%	4.7500000
10%	7.4500000
25%	7.6500000
50%	8.5500000
75%	9.2000000
90%	9.7500000
100%	11.8500000

	21_R_CM
Mean	4.8368809
SD	0.1117187
Missing	0.9979820
0%	4.7000000
10%	4.7000000
25%	4.7200000
50%	4.7800000
75%	4.9500000
90%	4.9900000
100%	5.0100000

	21_T_CM
Mean	1.2173972
SD	0.0438106
Missing	0.9979820
0%	1.1400000
10%	1.1700000
25%	1.1700000
50%	1.2100000
75%	1.2600000
90%	1.2700000
100%	1.2800000

[1] “21_R_CM - Legally Required benefits Average employer cost per employee hour worked at 90th percentile, constant dollar”

[1] “21_T_CM - Legally Required benefits Average employer cost per employee hour worked at 10th percentile, current dollar”

[1] “21_X_CM - Legally Required benefits Average employer cost per employee hour worked at 10th percentile, constant dollar”

[1] “22_D_CM - Social Security and Medicare Cost of compensation (Cost per hour worked)”

[1] “22_P_CM - Social Security and Medicare Percent of total compensation”

[1] “23_D_CM - Social Security Cost of compensation (Cost per hour worked)”

[1] “23_P_CM - Social Security Percent of total compensation”

[1] “24_D_CM - Medicare Cost of compensation (Cost per hour worked)”

[1] “24_P_CM - Medicare Percent of total compensation”

	21_X_CM
Mean	1.3729563
SD	0.0391209
Missing	0.9979820
0%	1.3100000
10%	1.3200000
25%	1.3500000
50%	1.3900000
75%	1.4000000
90%	1.4300000
100%	1.4300000

	22_D_CM
Mean	1.7446775
SD	0.1981875
Missing	0.9970810
0%	1.4300000
10%	1.4700000
25%	1.6275000
50%	1.7225000
75%	1.8875000
90%	2.0650000
100%	2.1375000

	22_P_CM
Mean	5.6002888
SD	0.0621519
Missing	0.9970810
0%	5.5000000
10%	5.5000000
25%	5.5750000
50%	5.6000000
75%	5.6250000
90%	5.7000000
100%	5.7000000

	23_D_CM
Mean	1.389018
SD	0.156384
Missing	0.997081
0%	1.140000
10%	1.170000
25%	1.297500
50%	1.375000
75%	1.500000
90%	1.645000
100%	1.700000

	23_P_CM
Mean	4.4715788
SD	0.0428592
Missing	0.9970810
0%	4.4000000
10%	4.4000000
25%	4.4250000
50%	4.5000000
75%	4.5000000
90%	4.5000000
100%	4.5000000

	24_D_CM
Mean	0.3554369
SD	0.0413089
Missing	0.9970810
0%	0.2900000
10%	0.3000000
25%	0.3300000
50%	0.3500000
75%	0.3925000
90%	0.4200000
100%	0.4350000

	24_P_CM
Mean	1.1046542
SD	0.0180956
Missing	0.9970810
0%	1.1000000
10%	1.1000000
25%	1.1000000
50%	1.1000000
75%	1.1000000
90%	1.1000000
100%	1.1750000

[1] “25_D_CM - Federal unemployment insurance Cost of compensation (Cost per hour worked)”

[1] “25_P_CM - Federal unemployment insurance Percent of total compensation”

[1] “26_D_CM - State unemployment insurance Cost of compensation (Cost per hour worked)”

[1] “26_P_CM - State unemployment insurance Percent of total compensation”

[1] “27_D_CM - Workers’ compensation Cost of compensation (Cost per hour worked)”

[1] “27_P_CM - Workers’ compensation Percent of total compensation”

[1] “28_D_CM - Other benefits Cost of compensation (Cost per hour worked)”

[1] “28_P_CM - Other benefits Percent of total compensation”

	25_D_CM
Mean	0.0287967
SD	0.0033121
Missing	0.9970810
0%	0.0200000
10%	0.0200000
25%	0.0300000
50%	0.0300000
75%	0.0300000
90%	0.0300000
100%	0.0325000

	25_P_CM
Mean	0.100000
SD	0.000000
Missing	0.997081
0%	0.100000
10%	0.100000
25%	0.100000
50%	0.100000
75%	0.100000
90%	0.100000
100%	0.100000

	26_D_CM
Mean	0.1617313
SD	0.0292237
Missing	0.9970810
0%	0.1250000
10%	0.1300000
25%	0.1400000
50%	0.1500000
75%	0.1900000
90%	0.2125000
100%	0.2150000

	26_P_CM
Mean	0.5290358
SD	0.1031724
Missing	0.9970810
0%	0.3000000
10%	0.4000000
25%	0.5000000
50%	0.5000000
75%	0.6000000
90%	0.7000000
100%	0.7000000

	27_D_CM
Mean	0.4578821
SD	0.0159353
Missing	0.9970810
0%	0.4325000
10%	0.4325000
25%	0.4450000
50%	0.4625000
75%	0.4700000
90%	0.4775000
100%	0.4775000

	27_P_CM
Mean	1.4939870
SD	0.1909055
Missing	0.9970810
0%	1.2000000
10%	1.2750000
25%	1.3750000
50%	1.4000000
75%	1.6000000
90%	1.8000000
100%	1.8500000

	28_D_CM
Mean	0.0427057
SD	0.0212191
Missing	0.9675981
0%	0.0200000
10%	0.0200000
25%	0.0300000
50%	0.0300000
75%	0.0750000
90%	0.0775000
100%	0.0775000

	28_P_CM
Mean	0.2105474
SD	0.0967147
Missing	0.9675981
0%	0.1000000
10%	0.1000000
25%	0.1000000
50%	0.2000000
75%	0.3500000
90%	0.3750000
100%	0.3750000

# of digits of occupation aggregation	freq
1	107950
3	277449
4	137483

	Average Hourly Wage_WM
Mean	27.6431731
SD	12.3539461
Missing	0.6578852
0%	9.6900000
10%	15.9700000
25%	18.4100000
50%	23.2400000
75%	35.8000000
90%	42.7200000
100%	123.2000000

Wage Model Data

General Statistics

exact occupation-year-area matches number, 268736

proportion, 0.1161782

aggregated occuation-year-area matches number, 522882

proportion, 0.226049

table of the number of digits occupations were aggregated by

missing occupation-year-area matches number, 1521518

proportion, 0.6577728

Years covered 2014, 2015, 2016, 2018, 2019, 2020

Measure Statistics

[1] “Average Hourly Wage_WM - Average Hourly Wage_WM”