## Manufacturing AGE (median) by Year

## The MEANS Procedure

Analysis Va	riable : AG	SE Age		
Census year	N	Median		
1950	180615	36		
1960	1139507	39		
1970	241872	40		
1980	1363442	36		
1990	1281644	38		
2000	1166634	41		
2010	190542	47		
2015	185426	48		
2017	186074	48		

## Manufacturing SEX by Year

### The FREQ Procedure

Frequency Percent Row Pct Col Pct

Table of sex1 by YEAR													
	YEAR(Census year)												
sex1	1950	1960	1970	1980	1990	2000	2010	2015	2017	Total			
F	42943 396773 86878 48663				465501	398781	58427	55413	55359	2046713			
	0.72	6.68	1.46	8.20	7.84	6.72	0.98	0.93	0.93	34.48			
	2.10	19.39	4.24	23.78	22.74	19.48	2.85	2.71	2.70				
	23.78	34.82	35.92	35.69	36.32	34.18	30.66	29.88	29.75				
M	137672	742734	154994	876804	816143	767853	132115	130013	130715	3889043			
	2.32	12.51	2.61	14.77	13.75	12.94	2.23	2.19	2.20	65.52			
	3.54	19.10	3.99	22.55	20.99	19.74	3.40	3.34	3.36				
	76.22	65.18	64.08	64.31	63.68	65.82	69.34	70.12	70.25				
Total	otal 180615 1139507 241872 1363442					1166634	190542	185426	186074	5935756			
	3.04	19.20	4.07	22.97	21.59	19.65	3.21	3.12	3.13	100.00			

## Manufacturing: EDUCATION by Year 0= N/A or None 1= Elementary, Middle, and/or High School 2= College 3= Grad or Professional School

#### The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

			٦	Table of ed	ducation b	y YEAR				
YEAR(Census year)										
education	1950	1960	1970	1980	1990	2000	2010	2015	2017	Total
0	134518	12328	1316	5943	11802	23571	2478	2567	2711	197234
	2.27	0.21	0.02	0.10	0.20	0.40	0.04	0.04	0.05	3.33
	68.20	6.25	0.67	3.01	5.98	11.95	1.26	1.30	1.37	
	74.48	1.08	0.54	0.44	0.92	2.02	1.30	1.38	1.46	
1	41402	975903	198319	965449	773004	644536	88032	80858	78149	3845652
	0.70	16.45	3.34	16.28	13.03	10.87	1.48	1.36	1.32	64.84
	1.08	25.38	5.16	25.10	20.10	16.76	2.29	2.10	2.03	
	22.92	85.64	81.99	70.81	60.53	55.25	46.20	43.61	42.00	
2	4195	134176	36999	333616	452514	447309	86605	87503	89848	1672765
	0.07	2.26	0.62	5.62	7.63	7.54	1.46	1.48	1.51	28.20
	0.25	8.02	2.21	19.94	27.05	26.74	5.18	5.23	5.37	
	2.32	11.77	15.30	24.47	35.44	38.34	45.45	47.19	48.29	
3	500	17100	5238	58434	39669	51218	13427	14498	15366	215450
	0.01	0.29	0.09	0.99	0.67	0.86	0.23	0.24	0.26	3.63
	0.23	7.94	2.43	27.12	18.41	23.77	6.23	6.73	7.13	
	0.28	1.50	2.17	4.29	3.11	4.39	7.05	7.82	8.26	
Total	180615	1139507	241872	1363442	1276989	1166634	190542	185426	186074	5931101
	3.05	19.21	4.08	22.99	21.53	19.67	3.21	3.13	3.14	100.00

## Manufacturing Income (median) by Year

### The MEANS Procedure

Analysis Variable : INCTOT Total personal income									
Census year	N Obs	Median							
1950	180615	46689	2550.00						
1960	1139507	1139507	3685.00						
1970	241872	241872	5650.00						
1980	1363442	1363442	11505.00						
1990	1281644	1281644	20000.00						
2000	1166634	1166634	27800.00						
2010	190542	190542	35000.00						
2015	185426	185426	40000.00						
2017	186074	186074	42000.00						

## Manufacturing Job Location by State READ ME: I will place the state abbs in the CSV

### The FREQ Procedure

job_loc	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
1	65164	1.78	65164	1.78	
2	2004	0.05	67168	1.84	
4	32071	0.88	99239	2.72	
5	39334	1.08	138573	3.80	
6	363717	9.96	502290	13.76	
8	33183	0.91	535473	14.67	
9	64572	1.77	600045	16.43	
10	11230	0.31	611275	16.74	
11	5054	0.14	616329	16.88	
12	88747	2.43	705076	19.31	
13	103358	2.83	808434	22.14	
15	5400	0.15	813834	22.29	
16	10962	0.30	824796	22.59	
17	204778	5.61	1029574	28.20	
18	129774	3.55	1159348	31.75	
19	47206	1.29	1206554	33.04	
20	34549	0.95	1241103	33.99	
21	52746	1.44	1293849	35.44	
22	35493	0.97	1329342	36.41	
23	19654	0.54	1348996	36.95	
24	44212	1.21	1393208	38.16	
25	107426	2.94	1500634	41.10	
26	192346	5.27	1692980	46.37	
27	72606	1.99	1765586	48.35	
28	38780	1.06	1804366	49.42	
29	80974	2.22	1885340	51.63	
30	4525	0.12	1889865	51.76	
31	18404	0.50	1908269	52.26	
32	6541	0.18	1914810	52.44	
33	19444	0.53	1934254	52.97	
34	121090	3.32	2055344	56.29	
35	7442	0.20	2062786	56.49	

36	254141	6.96	2316927	63.45	
37	138708	3.80	2455635	67.25	
38	3855	0.11	2459490	67.36	
39	229534	6.29	2689024	73.65	
40	31358	0.86	2720382	74.50	
41	41099	1.13	2761481	75.63	
42	226071	6.19	2987552	81.82	
44	17757	0.49	3005309	82.31	
45	65668	1.80	3070977	84.11	
46	6275	0.17	3077252	84.28	
47	91151	2.50	3168403	86.77	
48	187512	5.14	3355915	91.91	
49	20275	0.56	3376190	92.47	
50	8488	0.23	3384678	92.70	
51	74323	2.04	3459001	94.73	
53	62778	1.72	3521779	96.45	
54	19030	0.52	3540809	96.97	
55	108228	2.96	3649037	99.94	
56	2276	0.06	3651313	100.00	
	Frequer	ıcy Missin	ig = 2284443		

# Manufacturing Employment by Year 1= Employed 2= Unemployed 3= Not in labor force Need to figure what #3 means

### The FREQ Procedure

Frequency Percent Row Pct Col Pct

Table of EMPSTAT by YEAR											
EMPSTAT (Employment	YEAR(Census year)										
status [general version])	1950	1960	1970	1980	1990	2000	2010	2015	2017	Total	
1	173175 2.92 3.69 95.88	856566 14.43 18.23 75.17	184145 3.10 3.92 76.13	1082284 18.23 23.04 79.38	1030390 17.36 21.94 80.40	920325 15.50 19.59 78.89	146073 2.46 3.11 76.66	151449 2.55 3.22 81.68	153015 2.58 3.26 82.23	4697422 79.14	
2	7400 0.12 2.61 4.10	49582 0.84 17.48 4.35	8909 0.15 3.14 3.68	79641 1.34 28.07 5.84	63585 1.07 22.41 4.96	45316 0.76 15.97 3.88	17519 0.30 6.18 9.19	6367 0.11 2.24 3.43	5368 0.09 1.89 2.88	283687 4.78	
3	40 0.00 0.00 0.02	233359 3.93 24.44 20.48	48818 0.82 5.11 20.18	201517 3.39 21.11 14.78	187669 3.16 19.66 14.64	200993 3.39 21.05 17.23	26950 0.45 2.82 14.14	27610 0.47 2.89 14.89	27691 0.47 2.90 14.88	954647 16.08	
Total	180615 3.04	1139507 19.20	241872 4.07	1363442 22.97	1281644 21.59	1166634 19.65	190542 3.21	185426 3.12	186074 3.13	5935756 100.00	