

```

1 . pwd
  /Users/robertyaffee/Documents/data/research/chwk/phase3/sociodemo

2 . cd /Users/robertyaffee/Documents/data/research/chwk/phase3/sociodemo
  /Users/robertyaffee/Documents/data/research/chwk/phase3/sociodemo

3 . use chwide6dec2011master, clear

4 . di c(filename)
  chwide6dec2011master.dta

5 . di c(os)
  MacOSX

6 . di c(osdtl)
  10.6.8

7 .
8 . *! Robert A. Yaffee
9 . *! 6 Dec 2011 Sociodemographic analysis of Chornobyl sequelae
10 . set more off

11 . // gender distribution
12 . datasignature report
    (data signature set on Monday 13jun2011 23:08)

```

Data signature summary

```

1. previous data signature      703:1626(97066):2668622110:1182585148
2. same data signature today    (cannot be calculated)
3. full data signature today    703:1828(24219):1292644061:573932575

```

Comparison of current data with previously set data signature

variables	number	notes
original # of variables	1,626	(values may have changed)
added variables	206	(1)
dropped variables	4	(2)
resulting # of variables	1,828	

- (1) Added variables are areacode agew1a agew2a agew3a agew1b agew2b agew3b female edu1 edu2 edu3 edu4 edu5 edu6 edu7 edu8 mar0w1 mar1w1 mar2w1 mar3w1 mar4w1 mar5w1 mar6w1 mar0w2 mar1w2 mar2w2 mar3w2 mar4w2 mar5w2 mar6w2 mar1w3 mar2w3 mar3w3 mar4w3 mar5w3 mar6w3 emplw11 emplw12 emplw13 emplw14 emplw15 emplw16 emplw21 emplw22 emplw23 emplw24 emplw25 emplw26 emplw31 emplw32 emplw33 emplw34 psychot CSprbslv CSsocspt CSavoid WHP1e1 WHP2p WHP3er WHP4p WHP5s WHP6er WHP7er WHP8p WHP9si WHP10pa WHP11pa WHP12e1 WHP13s WHP14pa WHP15si WHP16er WHP17pa WHP18pa WHP19p WHP20er WHP21si WHP22s WHP23er WHP24p WHP25pa WHP26e1 WHP27pa WHP28ps WHP29s WHP30si WHP31er WHP32er WHP33s WHP34si WHP35pa WHP36p WHP37er WHP38p whp23er WHPe1 WHPpain WHPer WHPsleep WHPsociso WHPpa HP2work HP2hmcare HP2probsoc HP2pbfhm HP2sxlife HP2inthob HP2vacatn BSItotal lBSItotal BSIposymp BSIglobsi BSIsuma BSIoc BSIips BSIdep BSIanx BSIphanx BSIhos BSIpar BSIpsyc testage1 yrageck iday idates idate bday bdates bdate moage yrage agerr radhlwc1 radhlwc2 radhlwc3 fenjoyr fallasr MiPTSD apprxage iyr byr bmo imo agemoadj pos neg agemo ageyrs mincumdosew1 avgcumdosew1 maxcumdosew1 minCumDosew2 avgCumDosew2 maxXumDosew2 minCumDosew3 avgCumDosew3 maxCumdosew3 reporttype threewavepanelcumulativedoses wave1summary wave2summary wave3summary ranown2 townnown totltele area areacodewt combined oblnown numresp c areaRespid raionwt totalphones sampwt fpc1 cptsd cbdep cpxd pxd genwt agesq male mar0w3 emplw35 agegrp ranown avprof avtech avprot avmech avfactwkr avfrmer avhmk avstudnt sumprof sumtech sumprot summech sumfactwkr sumfrmer sumhmk totstudnt jsw1grp jsw2grp jsw3grp
- (2) Dropped variables are name addr1 addnow phychot

13 .
 14 .
 15 . tab gender

respondent's gender	Freq.	Percent	Cum.
1. male	340	48.36	48.36
2. female	363	51.64	100.00
Total	703	100.00	

```

16 .
17 . di "{hline}"

```

```

18 .
19 . di "age distribution"
    age distribution

```

```

20 .
21 . summ age, detail

```

Respondent's age				
Percentiles		Smallest		
1%	30	28		
5%	32	30		
10%	35	30	Obs	703
25%	39	30	Sum of Wgt.	703
50%	50	Largest	Mean	49.7155
			Std. Dev.	12.04296
75%	59	79		
90%	68	79	Variance	145.0329
95%	70	83	Skewness	.2593853
99%	75	84	Kurtosis	2.16572

```

22 .
23 . // collapsing and simplifying the age gender distribution
24 . cap gen agegrp = 0

25 . replace agegrp = 1 if age >= 30 & age < 40
    (0 real changes made)

26 . replace agegrp = 2 if age >= 40 & age < 50
    (0 real changes made)

27 . replace agegrp = 3 if age >= 50 & age < 60
    (0 real changes made)

```

```

28 . replace agegrp = 4 if age >= 60 & age < 70
    (0 real changes made)

29 . replace agegrp = 5 if age >= 70 & age < 80
    (0 real changes made)

30 . replace agegrp = 6 if age >=80
    (0 real changes made)

31 . label var agegrp "Age group"

32 . cap label define ag 0 "Less than 30 yrs" 1 "30 thru 39 yrs" 2 "40 thru 49 y
    > rs" 3 "50 thru 59 yrs" ///
    > 4 "60 thru 69 yrs" 5 "70 thru 79 yrs" 6 "80+ yrs"

33 . cap label values agegrp ag

34 .

35 . summ age, detail

```

Respondent's age				
	Percentiles	Smallest		
1%	30	28		
5%	32	30		
10%	35	30	Obs	703
25%	39	30	Sum of Wgt.	703
50%	50		Mean	49.7155
		Largest	Std. Dev.	12.04296
75%	59	79		
90%	68	79	Variance	145.0329
95%	70	83	Skewness	.2593853
99%	75	84	Kurtosis	2.16572

```

36 . bysort gender: summ age, detail

```

```

-> gender = 1. male

```

Respondent's age				
	Percentiles	Smallest		
1%	30	30		
5%	31	30		
10%	34	30	Obs	340
25%	39	30	Sum of Wgt.	340

50%	48		Mean	49.18235
		Largest	Std. Dev.	12.22222
75%	58	74		
90%	69	75	Variance	149.3826
95%	70	77	Skewness	.3046038
99%	74	77	Kurtosis	2.062734

-> gender = 2. female

Respondent's age

Percentiles		Smallest		
1%	30	28		
5%	32	30		
10%	35	30	Obs	363
25%	39	30	Sum of Wgt.	363
50%	51		Mean	50.21488
		Largest	Std. Dev.	11.86774
75%	59	79		
90%	66	79	Variance	140.8432
95%	70	83	Skewness	.2220652
99%	79	84	Kurtosis	2.282661

37 . tab agegrp gender, cell row col chi2 lrchi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Age group	respondent's gender		Total
	1. male	2. female	
Less than 30 yrs	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
30 thru 39 yrs	93	90	183
	50.82	49.18	100.00
	27.35	24.79	26.03
	13.23	12.80	26.03

40 thru 49 yrs	86 52.12 25.29 12.23	79 47.88 21.76 11.24	165 100.00 23.47 23.47
50 thru 59 yrs	83 43.92 24.41 11.81	106 56.08 29.20 15.08	189 100.00 26.88 26.88
60 thru 69 yrs	54 45.76 15.88 7.68	64 54.24 17.63 9.10	118 100.00 16.79 16.79
70 thru 79 yrs	24 53.33 7.06 3.41	21 46.67 5.79 2.99	45 100.00 6.40 6.40
80+ yrs	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00

Pearson chi2(6) = 6.4470 Pr = 0.375
likelihood-ratio chi2(6) = 7.6070 Pr = 0.268

38 .
39 .
40 .

41 . set more off

42 .

43 .

44 .

45 . tab educ

highest educational level the respondent have completed	Freq.	Percent	Cum.
grade school	1	0.14	0.14
HS grad	36	5.12	5.26
tech degree	242	34.42	39.69
some collage	38	5.41	45.09
Bachelors	97	13.80	58.89
Masters or spec dipl	281	39.97	98.86
PhD	6	0.85	99.72
MD	2	0.28	100.00
Total	703	100.00	

46 . tab educ gender, cell exp row col all

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

highest educational level the respondent have completed	respondent's gender		Total
	1. male	2. female	
grade school	0	1	1
	0.5	0.5	1.0
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
HS grad	10	26	36
	17.4	18.6	36.0
	27.78	72.22	100.00
	2.94	7.16	5.12
	1.42	3.70	5.12

tech degree	114 117.0 47.11 33.53 16.22	128 125.0 52.89 35.26 18.21	242 242.0 100.00 34.42 34.42
some collage	14 18.4 36.84 4.12 1.99	24 19.6 63.16 6.61 3.41	38 38.0 100.00 5.41 5.41
Bachelors	50 46.9 51.55 14.71 7.11	47 50.1 48.45 12.95 6.69	97 97.0 100.00 13.80 13.80
Masters or spec dipl	146 135.9 51.96 42.94 20.77	135 145.1 48.04 37.19 19.20	281 281.0 100.00 39.97 39.97
PhD	4 2.9 66.67 1.18 0.57	2 3.1 33.33 0.55 0.28	6 6.0 100.00 0.85 0.85
MD	2 1.0 100.00 0.59 0.28	0 1.0 0.00 0.00 0.00	2 2.0 100.00 0.28 0.28
Total	340 340.0 48.36 100.00 48.36	363 363.0 51.64 100.00 51.64	703 703.0 100.00 100.00 100.00

Pearson chi2(7) = 14.0052 Pr = 0.051
 likelihood-ratio chi2(7) = 15.4485 Pr = 0.031
 Cramér's V = 0.1411
 gamma = -0.1460 ASE = 0.058
 Kendall's tau-b = -0.0863 ASE = 0.035


```

47 .
48 .
49 .
50 .
51 .
52 . // geographical locale of residence
53 .
54 . cap encode ranow, gen(ranown)

55 .
56 . tab oblnow

```

current oblast	Freq.	Percent	Cum.
5. dontsk	1	0.14	0.14
10. kyiv	603	85.78	85.92
23. zhytomyr	99	14.08	100.00
Total	703	100.00	

```

57 . tab oblnow gender, cell row col chi2 lrchi2

```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

current oblast	respondent's gender		Total
	1. male	2. female	
5. dontsk	1	0	1
	100.00	0.00	100.00
	0.29	0.00	0.14
	0.14	0.00	0.14
10. kyiv	300	303	603
	49.75	50.25	100.00
	88.24	83.47	85.78
	42.67	43.10	85.78
23. zhytomyr	39	60	99
	39.39	60.61	100.00
	11.47	16.53	14.08
	5.55	8.53	14.08

Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(2) = 4.7220 Pr = 0.094
likelihood-ratio chi2(2) = 5.1372 Pr = 0.077

58 . tab ranown gender, cell row col chi2 lrchi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

current raion of residence	respondent's gender		Total
	1. male	2. female	
Andrushevskiy	1	1	2
	50.00	50.00	100.00
	0.29	0.28	0.28
	0.14	0.14	0.28
Baranovskiy	2	1	3
	66.67	33.33	100.00
	0.59	0.28	0.43
	0.28	0.14	0.43
Barishevskiy	1	3	4
	25.00	75.00	100.00
	0.29	0.83	0.57
	0.14	0.43	0.57
Berdichevskiy	4	3	7
	57.14	42.86	100.00
	1.18	0.83	1.00
	0.57	0.43	1.00
Bilo Tserkovskiy	3	16	19
	15.79	84.21	100.00
	0.88	4.41	2.70
	0.43	2.28	2.70
Boguslavskiy	2	1	3
	66.67	33.33	100.00

	0.59 0.28	0.28 0.14	0.43 0.43
Borodyanskiy	0 0.00 0.00 0.00	3 100.00 0.83 0.43	3 100.00 0.43 0.43
Boryspilskiy	11 91.67 3.24 1.56	1 8.33 0.28 0.14	12 100.00 1.71 1.71
Brovarskiy	4 33.33 1.18 0.57	8 66.67 2.20 1.14	12 100.00 1.71 1.71
Brusilovskiy	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Chernyahovskiy	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Chervonoarmiyskiy	0 0.00 0.00 0.00	1 100.00 0.28 0.14	1 100.00 0.14 0.14
Chudnivskiy	0 0.00 0.00 0.00	3 100.00 0.83 0.43	3 100.00 0.43 0.43
Emilchinskiy	0 0.00 0.00 0.00	1 100.00 0.28 0.14	1 100.00 0.14 0.14
Fastivskiy	4 66.67 1.18 0.57	2 33.33 0.55 0.28	6 100.00 0.85 0.85
Irpenskiy	13	7	20

	65.00	35.00	100.00
	3.82	1.93	2.84
	1.85	1.00	2.84
Kagarlykskiy	1	2	3
	33.33	66.67	100.00
	0.29	0.55	0.43
	0.14	0.28	0.43
Korostenskiy	2	4	6
	33.33	66.67	100.00
	0.59	1.10	0.85
	0.28	0.57	0.85
Korostichevskiy	0	4	4
	0.00	100.00	100.00
	0.00	1.10	0.57
	0.00	0.57	0.57
Kyevo-Svyatoshenskiy	7	14	21
	33.33	66.67	100.00
	2.06	3.86	2.99
	1.00	1.99	2.99
Kyivskiy	236	204	440
	53.64	46.36	100.00
	69.41	56.20	62.59
	33.57	29.02	62.59
Lubarskiy	1	1	2
	50.00	50.00	100.00
	0.29	0.28	0.28
	0.14	0.14	0.28
Luginskiy	0	2	2
	0.00	100.00	100.00
	0.00	0.55	0.28
	0.00	0.28	0.28
Makarovskiy	0	3	3
	0.00	100.00	100.00
	0.00	0.83	0.43
	0.00	0.43	0.43
Malinskiy	1	3	4
	25.00	75.00	100.00
	0.29	0.83	0.57
	0.14	0.43	0.57

Mironivskiy	2 66.67 0.59 0.28	1 33.33 0.28 0.14	3 100.00 0.43 0.43
Narodichevskiy	1 100.00 0.29 0.14	0 0.00 0.00 0.00	1 100.00 0.14 0.14
Novograd-Volynskiy	4 50.00 1.18 0.57	4 50.00 1.10 0.57	8 100.00 1.14 1.14
Obukhovskiy	2 28.57 0.59 0.28	5 71.43 1.38 0.71	7 100.00 1.00 1.00
Olevskiy	1 50.00 0.29 0.14	1 50.00 0.28 0.14	2 100.00 0.28 0.28
Ovruchskiy	1 33.33 0.29 0.14	2 66.67 0.55 0.28	3 100.00 0.43 0.43
Pereyaslav-Khmelnitsk	1 20.00 0.29 0.14	4 80.00 1.10 0.57	5 100.00 0.71 0.71
Polesskiy	0 0.00 0.00 0.00	3 100.00 0.83 0.43	3 100.00 0.43 0.43
Popelnyanskiy	1 33.33 0.29 0.14	2 66.67 0.55 0.28	3 100.00 0.43 0.43
Radomischevskiy	3 100.00 0.88 0.43	0 0.00 0.00 0.00	3 100.00 0.43 0.43

Rakitnetskiy	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Romanovski	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Ruzhinskiy	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Skvirskiy	1 33.33 0.29 0.14	2 66.67 0.55 0.28	3 100.00 0.43 0.43
Stavyschenskiy	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Taraschenskiy	0 0.00 0.00 0.00	1 100.00 0.28 0.14	1 100.00 0.14 0.14
Tarascheskiy	1 50.00 0.29 0.14	1 50.00 0.28 0.14	2 100.00 0.28 0.28
Tetievskiy	2 66.67 0.59 0.28	1 33.33 0.28 0.14	3 100.00 0.43 0.43
Vasilkivskiy	0 0.00 0.00 0.00	2 100.00 0.55 0.28	2 100.00 0.28 0.28
Vasilkovskiy	1 33.33 0.29	2 66.67 0.55	3 100.00 0.43

	0.14	0.28	0.43
Vasylkovskiy	0	2	2
	0.00	100.00	100.00
	0.00	0.55	0.28
	0.00	0.28	0.28
Volodar-Volynskiy	1	2	3
	33.33	66.67	100.00
	0.29	0.55	0.43
	0.14	0.28	0.43
Volodarskiy	1	1	2
	50.00	50.00	100.00
	0.29	0.28	0.28
	0.14	0.14	0.28
Vyshgorodskiy	1	6	7
	14.29	85.71	100.00
	0.29	1.65	1.00
	0.14	0.85	1.00
Yagotinskiy	4	2	6
	66.67	33.33	100.00
	1.18	0.55	0.85
	0.57	0.28	0.85
Zhitomirskiy	19	19	38
	50.00	50.00	100.00
	5.59	5.23	5.41
	2.70	2.70	5.41
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(50) = 79.4879 Pr = 0.005
likelihood-ratio chi2(50) = 98.3887 Pr = 0.000

```

59 .
60 . // educational background
61 .
62 . tab educ

```

highest educational level the respondent have completed	Freq.	Percent	Cum.
grade school	1	0.14	0.14
HS grad	36	5.12	5.26
tech degree	242	34.42	39.69
some collage	38	5.41	45.09
Bachelors	97	13.80	58.89
Masters or spec dipl	281	39.97	98.86
PhD	6	0.85	99.72
MD	2	0.28	100.00
Total	703	100.00	

```

63 . tab educ gender, cell row col chi2 lrchi2

```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

highest educational level the respondent have completed	respondent's gender		Total
	1. male	2. female	
grade school	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
HS grad	10	26	36
	27.78	72.22	100.00
	2.94	7.16	5.12
	1.42	3.70	5.12
tech degree	114	128	242
	47.11	52.89	100.00
	33.53	35.26	34.42
	16.22	18.21	34.42

some collage	14 36.84 4.12 1.99	24 63.16 6.61 3.41	38 100.00 5.41 5.41
Bachelors	50 51.55 14.71 7.11	47 48.45 12.95 6.69	97 100.00 13.80 13.80
Masters or spec dipl	146 51.96 42.94 20.77	135 48.04 37.19 19.20	281 100.00 39.97 39.97
PhD	4 66.67 1.18 0.57	2 33.33 0.55 0.28	6 100.00 0.85 0.85
MD	2 100.00 0.59 0.28	0 0.00 0.00 0.00	2 100.00 0.28 0.28
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00

Pearson chi2(7) = 14.0052 Pr = 0.051
likelihood-ratio chi2(7) = 15.4485 Pr = 0.031

64 . tab educ

highest educational level the respondent have completed	Freq.	Percent	Cum.
grade school	1	0.14	0.14
HS grad	36	5.12	5.26
tech degree	242	34.42	39.69
some collage	38	5.41	45.09
Bachelors	97	13.80	58.89
Masters or spec dipl	281	39.97	98.86
PhD	6	0.85	99.72
MD	2	0.28	100.00

Total	703	100.00
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```

65 . gr hbar educ, over(agegrp ) title(Age group by mean level of education) //
    > /
    > ascategory

66 . cap label define ed 1 "grade school" 2 "HS grad" 3 "tech degree" 4 "some col
    > lage" ///
    > 5 "Bachelors" 6 "Masters or spec dipl" 7 "PhD" 8 "MD"

67 . label values educ ed

68 .
69 . // employment
70 . set more off

71 . forvalues i=1/3 {
    2. tab emplw`i' gender, cell row col chi2 lrchi2
    3. }

```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

mode of employment in 1986	respondent's gender		Total
	1. male	2. female	
0. not answered	2	12	14
	14.29	85.71	100.00
	0.59	3.31	1.99
	0.28	1.71	1.99
1. full time	226	255	481
	46.99	53.01	100.00
	66.47	70.25	68.42
	32.15	36.27	68.42
2. part time	47	17	64
	73.44	26.56	100.00
	13.82	4.68	9.10
	6.69	2.42	9.10
3. voluntary	1	1	2

	50.00	50.00	100.00
	0.29	0.28	0.28
	0.14	0.14	0.28
4. retired	1	4	5
	20.00	80.00	100.00
	0.29	1.10	0.71
	0.14	0.57	0.71
5. unemployed	63	74	137
	45.99	54.01	100.00
	18.53	20.39	19.49
	8.96	10.53	19.49
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(5) = 24.9112 Pr = 0.000
likelihood-ratio chi2(5) = 26.3623 Pr = 0.000

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

mode of employment in 1996	respondent's gender		Total
	1. male	2. female	
0. not answered	1	6	7
	14.29	85.71	100.00
	0.29	1.65	1.00
	0.14	0.85	1.00
1. full time	262	268	530
	49.43	50.57	100.00
	77.06	73.83	75.39
	37.27	38.12	75.39
2. part time	44	31	75
	58.67	41.33	100.00
	12.94	8.54	10.67
	6.26	4.41	10.67

3. voluntary	1 50.00 0.29 0.14	1 50.00 0.28 0.14	2 100.00 0.28 0.28
4. retired	16 36.36 4.71 2.28	28 63.64 7.71 3.98	44 100.00 6.26 6.26
5. unemployed	16 35.56 4.71 2.28	29 64.44 7.99 4.13	45 100.00 6.40 6.40
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00

Pearson chi2(5) = 12.1815 Pr = 0.032
likelihood-ratio chi2(5) = 12.6667 Pr = 0.027

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

mode of employment now	respondent's gender		Total
	1. male	2. female	
1. full time	225 51.84 66.18 32.01	209 48.16 57.58 29.73	434 100.00 61.74 61.74
2. part time	33 57.89 9.71 4.69	24 42.11 6.61 3.41	57 100.00 8.11 8.11
3. voluntary	0 0.00 0.00	1 100.00 0.28	1 100.00 0.14

	0.00	0.14	0.14
4. retired	74 42.29 21.76 10.53	101 57.71 27.82 14.37	175 100.00 24.89 24.89
5. unemployed	8 22.22 2.35 1.14	28 77.78 7.71 3.98	36 100.00 5.12 5.12
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00

Pearson chi2(4) = 17.5540 Pr = 0.002
likelihood-ratio chi2(4) = 18.6008 Pr = 0.001

```

72 .
73 .
74 . // occupation
75 .
76 . set more off

77 . forvalues i=1/3 {
    2. forvalues j=1/8 {
    3. tab occ`j'w`i' gender, cell row col chi2 lrchi2
    4. }
    5. }

```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

profess executive administration in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	275	281	556
	49.46	50.54	100.00
	80.88	77.41	79.09
	39.12	39.97	79.09
1. selected	65	82	147
	44.22	55.78	100.00
	19.12	22.59	20.91
	9.25	11.66	20.91
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 1.2796 Pr = 0.258
likelihood-ratio chi2(1) = 1.2825 Pr = 0.257

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

technical sales admin support in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	284	330	614
	46.25	53.75	100.00
	83.53	90.91	87.34
	40.40	46.94	87.34
1. selected	56	33	89
	62.92	37.08	100.00
	16.47	9.09	12.66
	7.97	4.69	12.66
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00

	48.36	51.64	100.00
--	-------	-------	--------

Pearson chi2(1) = 8.6468 Pr = 0.003
likelihood-ratio chi2(1) = 8.7087 Pr = 0.003

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

service occup protective services in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	325	332	657
	49.47	50.53	100.00
	95.59	91.46	93.46
	46.23	47.23	93.46
1. selected	15	31	46
	32.61	67.39	100.00
	4.41	8.54	6.54
	2.13	4.41	6.54
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 4.8925 Pr = 0.027
likelihood-ratio chi2(1) = 5.0052 Pr = 0.025

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

precision prod mechan craft construction in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	307	347	654
	46.94	53.06	100.00
	90.29	95.59	93.03
	43.67	49.36	93.03
1. selected	33	16	49
	67.35	32.65	100.00
	9.71	4.41	6.97
	4.69	2.28	6.97
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 7.6001 Pr = 0.006
likelihood-ratio chi2(1) = 7.7178 Pr = 0.005

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

factory laborer machinist transp cleaner in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	328	352	680
	48.24	51.76	100.00
	96.47	96.97	96.73
	46.66	50.07	96.73
1. selected	12	11	23
	52.17	47.83	100.00
	3.53	3.03	3.27
	1.71	1.56	3.27
Total	340	363	703
	48.36	51.64	100.00

	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = **0.1382** Pr = **0.710**
likelihood-ratio chi2(1) = **0.1381** Pr = **0.710**

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

farming agricul forestry fishing trapping logging in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	335	354	689
	48.62	51.38	100.00
	98.53	97.52	98.01
	47.65	50.36	98.01
1. selected	5	9	14
	35.71	64.29	100.00
	1.47	2.48	1.99
	0.71	1.28	1.99
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = **0.9153** Pr = **0.339**
likelihood-ratio chi2(1) = **0.9303** Pr = **0.335**

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

homemaking or caregiving in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	336	348	684
	49.12	50.88	100.00
	98.82	95.87	97.30
	47.80	49.50	97.30
1. selected	4	15	19
	21.05	78.95	100.00
	1.18	4.13	2.70
	0.57	2.13	2.70
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 5.8327 Pr = 0.016
 likelihood-ratio chi2(1) = 6.2407 Pr = 0.012

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

student in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	211	258	469
	44.99	55.01	100.00
	62.06	71.07	66.71
	30.01	36.70	66.71
1. selected	129	105	234
	55.13	44.87	100.00
	37.94	28.93	33.29
	18.35	14.94	33.29
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = **6.4259** Pr = **0.011**
 likelihood-ratio chi2(1) = **6.4312** Pr = **0.011**

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

profess executive administration in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	254	242	496
	51.21	48.79	100.00
	74.71	66.67	70.55
	36.13	34.42	70.55
1. selected	86	121	207
	41.55	58.45	100.00
	25.29	33.33	29.45
	12.23	17.21	29.45
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = **5.4616** Pr = **0.019**
 likelihood-ratio chi2(1) = **5.4841** Pr = **0.019**

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

technical sales admin support in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	257	320	577
	44.54	55.46	100.00
	75.59	88.15	82.08
	36.56	45.52	82.08
1. selected	83	43	126
	65.87	34.13	100.00
	24.41	11.85	17.92
	11.81	6.12	17.92
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 18.8448 Pr = 0.000
likelihood-ratio chi2(1) = 19.0606 Pr = 0.000

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

service occup protective services in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	317	315	632
	50.16	49.84	100.00
	93.24	86.78	89.90
	45.09	44.81	89.90
1. selected	23	48	71
	32.39	67.61	100.00
	6.76	13.22	10.10
	3.27	6.83	10.10
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00

	48.36	51.64	100.00
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Pearson chi2(1) = 8.0653 Pr = 0.005
likelihood-ratio chi2(1) = 8.2481 Pr = 0.004

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

precision prod mechan craft construction in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	298	346	644
	46.27	53.73	100.00
	87.65	95.32	91.61
	42.39	49.22	91.61
1. selected	42	17	59
	71.19	28.81	100.00
	12.35	4.68	8.39
	5.97	2.42	8.39
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 13.4327 Pr = 0.000
likelihood-ratio chi2(1) = 13.7638 Pr = 0.000

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

factory laborer machinist transp cleaner in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	319	354	673
	47.40	52.60	100.00
	93.82	97.52	95.73
	45.38	50.36	95.73
1. selected	21	9	30
	70.00	30.00	100.00
	6.18	2.48	4.27
	2.99	1.28	4.27
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 5.8740 Pr = 0.015
likelihood-ratio chi2(1) = 6.0054 Pr = 0.014

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

farming agricul forestry fishing trapping logging in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	335	354	689
	48.62	51.38	100.00
	98.53	97.52	98.01
	47.65	50.36	98.01
1. selected	5	9	14
	35.71	64.29	100.00
	1.47	2.48	1.99
	0.71	1.28	1.99
Total	340	363	703

	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 0.9153 Pr = 0.339
likelihood-ratio chi2(1) = 0.9303 Pr = 0.335

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

homemaking caregiving in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	326	330	656
	49.70	50.30	100.00
	95.88	90.91	93.31
	46.37	46.94	93.31
1. selected	14	33	47
	29.79	70.21	100.00
	4.12	9.09	6.69
	1.99	4.69	6.69
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 6.9602 Pr = 0.008
likelihood-ratio chi2(1) = 7.1768 Pr = 0.007

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

student in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	293	339	632
	46.36	53.64	100.00
	86.18	93.39	89.90
	41.68	48.22	89.90
1. selected	47	24	71
	66.20	33.80	100.00
	13.82	6.61	10.10
	6.69	3.41	10.10
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 10.0571 Pr = 0.002
likelihood-ratio chi2(1) = 10.1853 Pr = 0.001

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

professional executive administration now	respondent's gender		Total
	1. male	2. female	
0. not selected	255	259	514
	49.61	50.39	100.00
	75.00	71.35	73.12
	36.27	36.84	73.12
1. selected	85	104	189
	44.97	55.03	100.00
	25.00	28.65	26.88
	12.09	14.79	26.88
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 1.1900 Pr = 0.275
 likelihood-ratio chi2(1) = 1.1918 Pr = 0.275

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

technical sales admin support now	respondent's gender		Total
	1. male	2. female	
0. not selected	256	326	582
	43.99	56.01	100.00
	75.29	89.81	82.79
	36.42	46.37	82.79
1. selected	84	37	121
	69.42	30.58	100.00
	24.71	10.19	17.21
	11.95	5.26	17.21
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 25.9507 Pr = 0.000
 likelihood-ratio chi2(1) = 26.4325 Pr = 0.000

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

service occup protective services now	respondent's gender		Total
	1. male	2. female	
0. not selected	314	314	628
	50.00	50.00	100.00
	92.35	86.50	89.33
	44.67	44.67	89.33
1. selected	26	49	75
	34.67	65.33	100.00
	7.65	13.50	10.67
	3.70	6.97	10.67
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 6.3076 Pr = 0.012
likelihood-ratio chi2(1) = 6.4156 Pr = 0.011

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

precision prod mechan craft construction now	respondent's gender		Total
	1. male	2. female	
0. not selected	305	355	660
	46.21	53.79	100.00
	89.71	97.80	93.88
	43.39	50.50	93.88
1. selected	35	8	43
	81.40	18.60	100.00
	10.29	2.20	6.12
	4.98	1.14	6.12
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00

	48.36	51.64	100.00
--	-------	-------	--------

Pearson chi2(1) = 20.0103 Pr = 0.000
likelihood-ratio chi2(1) = 21.3318 Pr = 0.000

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

factory laborer machinist transp cleaner now	respondent's gender		Total
	1. male	2. female	
0. not selected	322	358	680
	47.35	52.65	100.00
	94.71	98.62	96.73
	45.80	50.92	96.73
1. selected	18	5	23
	78.26	21.74	100.00
	5.29	1.38	3.27
	2.56	0.71	3.27
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 8.5103 Pr = 0.004
likelihood-ratio chi2(1) = 8.9539 Pr = 0.003

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

farming agricul forestry fishing trapping logging now	respondent's gender		Total
	1. male	2. female	
0. not selected	336	359	695
	48.35	51.65	100.00
	98.82	98.90	98.86
	47.80	51.07	98.86
1. selected	4	4	8
	50.00	50.00	100.00
	1.18	1.10	1.14
	0.57	0.57	1.14
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 0.0087 Pr = 0.926
likelihood-ratio chi2(1) = 0.0087 Pr = 0.926

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

homemaking or caregiving now	respondent's gender		Total
	1. male	2. female	
0. not selected	270	266	536
	50.37	49.63	100.00
	79.41	73.28	76.24
	38.41	37.84	76.24
1. selected	70	97	167
	41.92	58.08	100.00
	20.59	26.72	23.76
	9.96	13.80	23.76
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00

	48.36	51.64	100.00
--	-------	-------	--------

Pearson chi2(1) = 3.6465 Pr = 0.056
likelihood-ratio chi2(1) = 3.6617 Pr = 0.056

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

student now	respondent's gender		Total
	1. male	2. female	
0. not selected	340	362	702
	48.43	51.57	100.00
	100.00	99.72	99.86
	48.36	51.49	99.86
1. selected	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(1) = 0.9380 Pr = 0.333
likelihood-ratio chi2(1) = 1.3232 Pr = 0.250

78 .
79 . // average work category

```

80 . cap drop sumprof

81 . cap egen avprof = rowmean(occlw1 occlw2 occlw3)

82 . cap egen avtech = rowmean(occ2w1 occ2w2 occ2w3)

83 . cap egen avprot = rowmean(occ3w1 occ3w2 occ3w3)

84 . cap egen avmech = rowmean(occ4w1 occ4w2 occ4w3)

85 . cap egen avfactwkr = rowmean(occ5w1 occ5w2 occ5w3)

86 . cap egen avfirmer = rowmean(occ6w1 occ6w2 occ6w3)

87 . cap egen avhmkr = rowmean(occ7w1 occ7w2 occ7w3)

88 . cap egen avstudnt = rowmean(occ8w1 occ8w2 occ8w3)

89 . mrtab avprof-avstudnt, by(gender) include title("Job classification by gender")
    > r") width(24) ///
    > mtest(bonferroni) cell row column lrchi2

```

Key
<i>frequency of responses</i>
<i>row percent of responses</i>
<i>column percent of cases</i>
<i>cell percent of cases</i>

Job classificat ion by gender	respondent's gender		Total	chi2/p*
	1. male	2. female		
avprof	37	45	82	0.391
	45.12	54.88	100.00	1.000
	10.88	12.40	11.66	
	5.26	6.40	11.66	
avtech	34	15	49	9.322
	69.39	30.61	100.00	0.016
	10.00	4.13	6.97	
	4.84	2.13	6.97	
avprot	6	15	21	3.396
	28.57	71.43	100.00	0.458
	1.76	4.13	2.99	

	0.85	2.13	2.99	
avmech	14	6	20	3.859
	70.00	30.00	100.00	0.346
	4.12	1.65	2.84	
	1.99	0.85	2.84	
avfactwkr	5	2	7	1.506
	71.43	28.57	100.00	1.000
	1.47	0.55	1.00	
	0.71	0.28	1.00	
avfirmer	3	2	5	0.273
	60.00	40.00	100.00	1.000
	0.88	0.55	0.71	
	0.43	0.28	0.71	
avhmkr	1	8	9	5.066
	11.11	88.89	100.00	0.171
	0.29	2.20	1.28	
	0.14	1.14	1.28	
avstudnt	0	0	0	.

	0.00	0.00	0.00	
	0.00	0.00	0.00	
Total	100	93	193	
	51.81	48.19	100.00	
	29.41	25.62	27.45	
	14.22	13.23	27.45	
Cases	340	363	703	

* Pearson $\chi^2(1)$ / Bonferroni-adjusted p-values

Valid cases: 703

Missing cases: 0

Overall Test(s) of Significance:

likelihood-ratio $\chi^2(7)$ = 24.3624 Pr = 0.001

```

90 .
91 . // total work involvement
92 . cap drop sumprof

93 . cap egen sumprof = rowtotal(occ1w1 occ1w2 occ1w3)

94 . cap egen sumtech = rowtotal(occ2w1 occ2w2 occ2w3)

95 . cap egen sumprot = rowtotal(occ3w1 occ3w2 occ3w3)

96 . cap egen summech = rowtotal(occ4w1 occ4w2 occ4w3)

97 . cap egen sumfactwkr = rowtotal(occ5w1 occ5w2 occ5w3)

98 . cap egen sumfrmer = rowtotal(occ6w1 occ6w2 occ6w3)

99 . cap egen sumhmkr = rowtotal(occ7w1 occ7w2 occ7w3)

100 . cap egen totstudnt = rowtotal(occ8w1 occ8w2 occ8w3)

101 . order sumprof sumtech sumprot summech, before(sumfactwkr)

102 . mrtab sumprof-totstudnt, include title(total Job Classification) width(24)

```

total Job Classificat ion	Frequency	Percent of responses	Percent of cases
sumprof	67	12.98	9.53
sumtech	45	8.72	6.40
sumprot	47	9.11	6.69
summech	21	4.07	2.99
sumfactwkr	21	4.07	2.99
sumfrmer	5	0.97	0.71
sumhmkr	140	27.13	19.91
totstudnt	170	32.95	24.18
Total	516	100.00	73.40

```

Valid cases:      703
Missing cases:      0

```



```

103 .
104 .
105 . mrtab occ1w1-occ8w1, by(gender) include title(Job classification during wave
> 1) width(24) ///
> mtest(bonferroni) cell row column lrchi2

```

Key
<i>frequency of responses</i>
<i>row percent of responses</i>
<i>column percent of cases</i>
<i>cell percent of cases</i>

Job classification during wave		respondent's gender		Total	chi2/p
	1	1. male	2. female		
> *					
occ1w1	profess executive	65	82	147	1.28
> 0					
	administration in 1986	44.22	55.78	100.00	1.00
> 0					
		19.12	22.59	20.91	
		9.25	11.66	20.91	
occ2w1	technical sales admin	56	33	89	8.64
> 7					
	support in 1986	62.92	37.08	100.00	0.02
> 6					
		16.47	9.09	12.66	
		7.97	4.69	12.66	
occ3w1	service occup protective	15	31	46	4.89
> 3					
	services in 1986	32.61	67.39	100.00	0.21
> 6					
		4.41	8.54	6.54	
		2.13	4.41	6.54	
occ4w1	precision prod mechan	33	16	49	7.60
> 0					
	craft construction in	67.35	32.65	100.00	0.04
> 7					
	1986	9.71	4.41	6.97	
		4.69	2.28	6.97	
occ5w1	factory laborer	12	11	23	0.13
> 8					

> 0	machinist transp cleaner	52.17	47.83	100.00	1.00
	in 1986	3.53	3.03	3.27	
		1.71	1.56	3.27	
<hr/>					
occ6w1	farming agricul forestry	5	9	14	0.91
> 5					
> 0	fishing trapping logging	35.71	64.29	100.00	1.00
	in 1986	1.47	2.48	1.99	
		0.71	1.28	1.99	
<hr/>					
occ7w1	homemaking or caregiving	4	15	19	5.83
> 3					
> 6	in 1986	21.05	78.95	100.00	0.12
		1.18	4.13	2.70	
<hr/>					
occ8w1	student in 1986	129	105	234	6.42
> 6					
> 0		55.13	44.87	100.00	0.09
		37.94	28.93	33.29	
<hr/>					
Total		319	302	621	
		51.37	48.63	100.00	
		93.82	83.20	88.34	
		45.38	42.96	88.34	
Cases		340	363	703	

* Pearson $\chi^2(1)$ / Bonferroni-adjusted p-values

Valid cases: 703

Missing cases: 0

Overall Test(s) of Significance:

likelihood-ratio $\chi^2(8)$ = 49.7570 Pr = 0.000

```

106 .
107 . mrtab occ1w2-occ8w2, by(gender) include title(Job classification during wave
> 2) width(24) ///
> mtest(bonferroni) cell row column lrchi2

```

Key
<i>frequency of responses</i>
<i>row percent of responses</i>
<i>column percent of cases</i>
<i>cell percent of cases</i>

Job classification during wave		respondent's gender		Total	chi2/p
2		1. male	2. female		
> *					
occ1w2	profess executive	86	121	207	5.46
> 2					
	administration in 1996	41.55	58.45	100.00	0.15
> 6					
		25.29	33.33	29.45	
		12.23	17.21	29.45	
occ2w2	technical sales admin	83	43	126	18.84
> 5					
	support in 1996	65.87	34.13	100.00	0.00
> 0					
		24.41	11.85	17.92	
		11.81	6.12	17.92	
occ3w2	service occup protective	23	48	71	8.06
> 5					
	services in 1996	32.39	67.61	100.00	0.03
> 6					
		6.76	13.22	10.10	
		3.27	6.83	10.10	
occ4w2	precision prod mechan	42	17	59	13.43
> 3					
	craft construction in	71.19	28.81	100.00	0.00
> 2					
	1996	12.35	4.68	8.39	
		5.97	2.42	8.39	
occ5w2	factory laborer	21	9	30	5.87
> 4					
	machinist transp cleaner	70.00	30.00	100.00	0.12

> 3					
	in 1996	6.18	2.48	4.27	
		2.99	1.28	4.27	
occ6w2 farming agricul forestry		5	9	14	0.91
> 5					
	fishing trapping logging	35.71	64.29	100.00	1.00
> 0					
	in 1996	1.47	2.48	1.99	
		0.71	1.28	1.99	
occ7w2 homemaking caregiving in		14	33	47	6.96
> 0					
	1996	29.79	70.21	100.00	0.06
> 7					
		4.12	9.09	6.69	
		1.99	4.69	6.69	
occ8w2 student in 1996		47	24	71	10.05
> 7					
		66.20	33.80	100.00	0.01
> 2					
		13.82	6.61	10.10	
		6.69	3.41	10.10	
Total		321	304	625	
		51.36	48.64	100.00	
		94.41	83.75	88.90	
		45.66	43.24	88.90	
Cases		340	363	703	

* Pearson $\chi^2(1)$ / Bonferroni-adjusted p -values

Valid cases: 703

Missing cases: 0

Overall Test(s) of Significance:

likelihood-ratio $\chi^2(8)$ = 81.1547 Pr = 0.000

```

108 .
109 . mrtab occ1w3-occ8w3, by(gender) include title(Job classification during wave
> 3) width(24) ///
> mtest(bonferroni) cell row column lrchi2

```

Key
<i>frequency of responses</i>
<i>row percent of responses</i>
<i>column percent of cases</i>
<i>cell percent of cases</i>

Job classification during wave		respondent's gender		Total	chi2/p
	3	1. male	2. female		
> *					
occ1w3	professional executive	85	104	189	1.19
> 0					
	administration now	44.97	55.03	100.00	1.00
> 0					
		25.00	28.65	26.88	
		12.09	14.79	26.88	
occ2w3	technical sales admin	84	37	121	25.95
> 1					
	support now	69.42	30.58	100.00	0.00
> 0					
		24.71	10.19	17.21	
		11.95	5.26	17.21	
occ3w3	service occup protective	26	49	75	6.30
> 8					
	services now	34.67	65.33	100.00	0.09
> 6					
		7.65	13.50	10.67	
		3.70	6.97	10.67	
occ4w3	precision prod mechan	35	8	43	20.01
> 0					
	craft construction now	81.40	18.60	100.00	0.00
> 0					
		10.29	2.20	6.12	
		4.98	1.14	6.12	
occ5w3	factory laborer	18	5	23	8.51
> 0					
	machinist transp cleaner	78.26	21.74	100.00	0.02

> 8		now	5.29 2.56	1.38 0.71	3.27 3.27	
occ6w3 farming agricul forestry			4	4	8	0.00
> 9		fishing trapping logging	50.00	50.00	100.00	1.00
> 0		now	1.18 0.57	1.10 0.57	1.14 1.14	
occ7w3 homemaking or caregiving			70	97	167	3.64
> 7		now	41.92	58.08	100.00	0.44
> 9			20.59 9.96	26.72 13.80	23.76 23.76	
occ8w3 student now			0	1	1	0.93
> 8			0.00	100.00	100.00	1.00
> 0			0.00 0.00	0.28 0.14	0.14 0.14	
Total			322 51.36 94.71 45.80	305 48.64 84.02 43.39	627 100.00 89.19 89.19	
Cases			340	363	703	

* Pearson $\chi^2(1)$ / Bonferroni-adjusted p -values

Valid cases: 703

Missing cases: 0

Overall Test(s) of Significance:

likelihood-ratio $\chi^2(8)$ = 81.0895 Pr = 0.000

```

110 .
111 .
112 . // quintiles of job satisfaction
113 . cap drop jswlgrp

114 . forvalues i=1/3 {
      2. set more off
      3. cap gen jsw`i'grp = 0 if jsw`i' < 20
      4. replace jsw`i'grp = 1 if jsw`i' >= 20 & jsw`i' < 40
      5. replace jsw`i'grp = 2 if jsw`i' >= 40 & jsw`i' < 60
      6. replace jsw`i'grp = 3 if jsw`i' >= 60 & jsw`i' < 80
      7. replace jsw`i'grp = 4 if jsw`i' >= 80 & jsw`i' < 101
      8. cap label define jgp`i' 0 "Less than 20%" 1 "20 thru 39%" 2 "40 thru 59%"
>   ///
>   3 "60 thru 79%" 4 "80 thru 100%"
      9. cap label values jsw`i'grp jgp`i'
     10. cap label var jsw`i'grp "Job satisfaction in wave`i'"
     11. }
(16 real changes made)
(51 real changes made)
(52 real changes made)
(380 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)
(0 real changes made)

115 .
116 .
117 . forvalues i=1/3 {
      2. set more off
      3. di "{hline}"
      4. di "{hline 3}" "job satisfaction for all" "{hline 3}"
      5. tab jsw`i'grp
      6. di "{hline 3}" "income sufficiency by gender" "{hline 3}"
      7.

```

```

118 . tab jsw`i'grp gender, cell row col chi2 lrchi2 gamma V taub   ///
>
8. }

```

——job satisfaction for all——

Job satisfaction in wave1	Freq.	Percent	Cum.
Less than 20%	204	29.02	29.02
20 thru 39%	16	2.28	31.29
40 thru 59%	51	7.25	38.55
60 thru 79%	52	7.40	45.95
80 thru 100%	380	54.05	100.00
Total	703	100.00	

——income sufficiency by gender——

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Job satisfaction in wave1	respondent's gender		Total
	1. male	2. female	
Less than 20%	95	109	204
	46.57	53.43	100.00
	27.94	30.03	29.02
	13.51	15.50	29.02
20 thru 39%	9	7	16
	56.25	43.75	100.00
	2.65	1.93	2.28
	1.28	1.00	2.28
40 thru 59%	20	31	51
	39.22	60.78	100.00
	5.88	8.54	7.25
	2.84	4.41	7.25
60 thru 79%	24	28	52
	46.15	53.85	100.00

	7.06 3.41	7.71 3.98	7.40 7.40
80 thru 100%	192 50.53 56.47 27.31	188 49.47 51.79 26.74	380 100.00 54.05 54.05
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00

Pearson chi2(4) = 3.1840 Pr = 0.528
 likelihood-ratio chi2(4) = 3.2010 Pr = 0.525
 Cramér's V = 0.0673
 gamma = -0.0694 ASE = 0.064
 Kendall's tau-b = -0.0384 ASE = 0.036

—job satisfaction for all—

Job satisfaction in wave2	Freq.	Percent	Cum.
Less than 20%	126	17.92	17.92
20 thru 39%	16	2.28	20.20
40 thru 59%	106	15.08	35.28
60 thru 79%	98	13.94	49.22
80 thru 100%	357	50.78	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Job satisfaction in wave2	respondent's gender		Total
	1. male	2. female	
Less than 20%	56	70	126
	44.44	55.56	100.00
	16.47	19.28	17.92
	7.97	9.96	17.92
20 thru 39%	10	6	16
	62.50	37.50	100.00
	2.94	1.65	2.28
	1.42	0.85	2.28
40 thru 59%	47	59	106
	44.34	55.66	100.00
	13.82	16.25	15.08
	6.69	8.39	15.08
60 thru 79%	48	50	98
	48.98	51.02	100.00
	14.12	13.77	13.94
	6.83	7.11	13.94
80 thru 100%	179	178	357
	50.14	49.86	100.00
	52.65	49.04	50.78
	25.46	25.32	50.78
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(4) = 3.2086 Pr = 0.524
 likelihood-ratio chi2(4) = 3.2219 Pr = 0.521
 Cramér's V = 0.0676
 gamma = -0.0647 ASE = 0.060
 Kendall's tau-b = -0.0374 ASE = 0.035

—job satisfaction for all—

Job satisfaction in wave3	Freq.	Percent	Cum.
Less than 20%	198	28.17	28.17
20 thru 39%	21	2.99	31.15
40 thru 59%	98	13.94	45.09
60 thru 79%	81	11.52	56.61
80 thru 100%	305	43.39	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Job satisfaction in wave3	respondent's gender		Total
	1. male	2. female	
Less than 20%	80	118	198
	40.40	59.60	100.00
	23.53	32.51	28.17
	11.38	16.79	28.17
20 thru 39%	14	7	21
	66.67	33.33	100.00
	4.12	1.93	2.99
	1.99	1.00	2.99
40 thru 59%	46	52	98
	46.94	53.06	100.00
	13.53	14.33	13.94
	6.54	7.40	13.94
60 thru 79%	47	34	81
	58.02	41.98	100.00
	13.82	9.37	11.52
	6.69	4.84	11.52
80 thru 100%	153	152	305
	50.16	49.84	100.00
	45.00	41.87	43.39

	21.76	21.62	43.39
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(4) = 11.3430 Pr = 0.023
 likelihood-ratio chi2(4) = 11.4307 Pr = 0.022
 Cramér's V = 0.1270
 gamma = -0.1082 ASE = 0.058
 Kendall's tau-b = -0.0642 ASE = 0.035

```

119 .
120 .
121 .
122 . set more off

123 .
124 . forvalues j=1/4 {
      2. forvalues i=1/3 {
      3. di "hline"
      4. di "{hline 3}" "income sufficiency for all" "{hline 3}"
      5. tab inc`j'w`i'
      6. di "{hline 3}" "income sufficiency by gender" "{hline 3}"
      7. tab inc`j'w`i' gender, cell row col exact
      8. di "{hline}"
      9.
125 .
126 . }
      10. }
      hline
      —income sufficiency for all—
  
```

Income is not sufficient for basic neccessities in 1986	Freq.	Percent	Cum.
0. not selected	612	87.06	87.06
1. selected	91	12.94	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income is not sufficient for basic neccessities in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	292	320	612
	47.71	52.29	100.00
	85.88	88.15	87.06
	41.54	45.52	87.06
1. selected	48	43	91
	52.75	47.25	100.00
	14.12	11.85	12.94
	6.83	6.12	12.94
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.431
1-sided Fisher's exact =			0.216

hline

—income sufficiency for all—

Income is not sufficient for basic neccessities in 1996			
	Freq.	Percent	Cum.
0. not selected	627	89.19	89.19
1. selected	76	10.81	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Income is not sufficient for basic neccessities in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	317	310	627
	50.56	49.44	100.00
	93.24	85.40	89.19
	45.09	44.10	89.19
1. selected	23	53	76
	30.26	69.74	100.00
	6.76	14.60	10.81
	3.27	7.54	10.81
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.001
1-sided Fisher's exact =			0.001

hline

—income sufficiency for all—

Income is not sufficient for basic neccessities NOW			
	Freq.	Percent	Cum.
0. not selected	605	86.06	86.06
1. selected	98	13.94	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Income is not sufficient for basic neccessities NOW	respondent's gender		Total
	1. male	2. female	
0. not selected	299	306	605
	49.42	50.58	100.00
	87.94	84.30	86.06
	42.53	43.53	86.06
1. selected	41	57	98
	41.84	58.16	100.00
	12.06	15.70	13.94
	5.83	8.11	13.94
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.191
1-sided Fisher's exact =			0.099

hline

—income sufficiency for all—

Income is just sufficient for basic neccessities in 1986			
	Freq.	Percent	Cum.
0. not selected	421	59.89	59.89
1. selected	282	40.11	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income is just sufficient for basic neccessities in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	203	218	421
	48.22	51.78	100.00
	59.71	60.06	59.89
	28.88	31.01	59.89
1. selected	137	145	282
	48.58	51.42	100.00
	40.29	39.94	40.11
	19.49	20.63	40.11
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.939
1-sided Fisher's exact =			0.493

hline

—income sufficiency for all—

Income is just sufficient for basic neccessities in 1996			
	Freq.	Percent	Cum.
0. not selected	394	56.05	56.05
1. selected	309	43.95	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income is just sufficient for basic neccessities in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	178	216	394
	45.18	54.82	100.00
	52.35	59.50	56.05
	25.32	30.73	56.05
1. selected	162	147	309
	52.43	47.57	100.00
	47.65	40.50	43.95
	23.04	20.91	43.95
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.058
1-sided Fisher's exact =			0.033

hline

—income sufficiency for all—

Income is just sufficient for basic neccessities NOW			
	Freq.	Percent	Cum.
0. not selected	407	57.89	57.89
1. selected	296	42.11	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income is just sufficient for basic necessities NOW	respondent's gender		Total
	1. male	2. female	
0. not selected	189	218	407
	46.44	53.56	100.00
	55.59	60.06	57.89
	26.88	31.01	57.89
1. selected	151	145	296
	51.01	48.99	100.00
	44.41	39.94	42.11
	21.48	20.63	42.11
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.252
1-sided Fisher's exact =			0.131

hline

—income sufficiency for all—

Income is sufficient for basics plus extra purchases/savin gs in 1986			
	Freq.	Percent	Cum.
0. not selected	509	72.40	72.40
1. selected	194	27.60	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Income is sufficient for basics plus extra purchases/savin gs in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	239 46.95 70.29 34.00	270 53.05 74.38 38.41	509 100.00 72.40 72.40
1. selected	101 52.06 29.71 14.37	93 47.94 25.62 13.23	194 100.00 27.60 27.60
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00
Fisher's exact =			0.238
1-sided Fisher's exact =			0.130

hline

——income sufficiency for all——

Income is sufficient for basics plus extra purchases/savin gs in 1996			
	Freq.	Percent	Cum.
0. not selected	488	69.42	69.42
1. selected	215	30.58	100.00
Total	703	100.00	

——income sufficiency by gender——

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Income is sufficient for basics plus extra purchases/savin gs in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	220	268	488
	45.08	54.92	100.00
	64.71	73.83	69.42
	31.29	38.12	69.42
1. selected	120	95	215
	55.81	44.19	100.00
	35.29	26.17	30.58
	17.07	13.51	30.58
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00
Fisher's exact =			0.009
1-sided Fisher's exact =			0.006

hline

—income sufficiency for all—

Income is sufficient for basics plus extra purchases/savin gs NOW	Freq.	Percent	Cum.
0. not selected	498	70.84	70.84
1. selected	205	29.16	100.00
Total	703	100.00	

—**income sufficiency by gender**—

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

Income is sufficient for basics plus extra purchases/savin gs NOW	respondent's gender		Total
	1. male	2. female	
0. not selected	230	268	498
	46.18	53.82	100.00
	67.65	73.83	70.84
	32.72	38.12	70.84
1. selected	110	95	205
	53.66	46.34	100.00
	32.35	26.17	29.16
	15.65	13.51	29.16
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Fisher's exact =	0.081
1-sided Fisher's exact =	0.043

hline

—income sufficiency for all—

Income allows to comfortably afford luxury items in 1986	Freq.	Percent	Cum.
0. not selected	655	93.17	93.17
1. selected	48	6.83	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income allows to comfortably afford luxury items in 1986	respondent's gender		Total
	1. male	2. female	
0. not selected	310	345	655
	47.33	52.67	100.00
	91.18	95.04	93.17
	44.10	49.08	93.17
1. selected	30	18	48
	62.50	37.50	100.00
	8.82	4.96	6.83
	4.27	2.56	6.83
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Fisher's exact =	0.051
1-sided Fisher's exact =	0.030

hline

—income sufficiency for all—

Income allows to comfortably afford luxury items in 1996	Freq.	Percent	Cum.
0. not selected	681	96.87	96.87
1. selected	22	3.13	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income allows to comfortably afford luxury items in 1996	respondent's gender		Total
	1. male	2. female	
0. not selected	327	354	681
	48.02	51.98	100.00
	96.18	97.52	96.87
	46.51	50.36	96.87
1. selected	13	9	22
	59.09	40.91	100.00
	3.82	2.48	3.13
	1.85	1.28	3.13
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Fisher's exact =	0.387
1-sided Fisher's exact =	0.210

hline

—income sufficiency for all—

Income allows to comfortably afford luxury items NOW	Freq.	Percent	Cum.
0. not selected	681	96.87	96.87
1. selected	22	3.13	100.00
Total	703	100.00	

—income sufficiency by gender—

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

Income allows to comfortably afford luxury items NOW	respondent's gender		Total
	1. male	2. female	
0. not selected	326	355	681
	47.87	52.13	100.00
	95.88	97.80	96.87
	46.37	50.50	96.87
1. selected	14	8	22
	63.64	36.36	100.00
	4.12	2.20	3.13
	1.99	1.14	3.13
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Fisher's exact =	0.193
1-sided Fisher's exact =	0.107

```

127 .
128 .
129 .
130 . ssc install spineplot
    checking spineplot consistency and verifying not already installed...
    all files already exist and are up to date.

```

```

131 . cap drop _merge

```

```

132 .
133 .
134 . // marital status
135 . forvalues i=1/3 {
    2. tab marrw`i' gender, cell row col chi2 lrchi2
    3. spineplot marrw`i' gender, percent
    4. gr save spmargen`i'.gph, replace
    5. gr save spmargen`i'.eps, replace
    6. }

```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

cohabitation/marital status in 1986	respondent's gender		Total
	1. male	2. female	
0. not answered	3	6	9
	33.33	66.67	100.00
	0.88	1.65	1.28
	0.43	0.85	1.28
1. single	168	132	300
	56.00	44.00	100.00
	49.41	36.36	42.67
	23.90	18.78	42.67
2. cohabitating	6	4	10
	60.00	40.00	100.00
	1.76	1.10	1.42

	0.85	0.57	1.42
3. married	160 43.48 47.06 22.76	208 56.52 57.30 29.59	368 100.00 52.35 52.35
4. separated	0 0.00 0.00 0.00	3 100.00 0.83 0.43	3 100.00 0.43 0.43
5. divorced	3 37.50 0.88 0.43	5 62.50 1.38 0.71	8 100.00 1.14 1.14
6. widowed	0 0.00 0.00 0.00	5 100.00 1.38 0.71	5 100.00 0.71 0.71
Total	340 48.36 100.00 48.36	363 51.64 100.00 51.64	703 100.00 100.00 100.00

Pearson chi2(6) = 19.7495 Pr = 0.003
 likelihood-ratio chi2(6) = 22.8744 Pr = 0.001
 (file spmargen1.gph saved)
 (file spmargen1.eps saved)

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

cohabitation/marital status in 1996	respondent's gender		Total
	1. male	2. female	
0. not answered	1	0	1
	100.00	0.00	100.00
	0.29	0.00	0.14
	0.14	0.00	0.14
1. single	96	64	160
	60.00	40.00	100.00
	28.24	17.63	22.76
	13.66	9.10	22.76
2. cohabitating	11	8	19
	57.89	42.11	100.00
	3.24	2.20	2.70
	1.56	1.14	2.70
3. married	219	262	481
	45.53	54.47	100.00
	64.41	72.18	68.42
	31.15	37.27	68.42
4. separated	3	1	4
	75.00	25.00	100.00
	0.88	0.28	0.57
	0.43	0.14	0.57
5. divorced	6	11	17
	35.29	64.71	100.00
	1.76	3.03	2.42
	0.85	1.56	2.42
6. widowed	4	17	21
	19.05	80.95	100.00
	1.18	4.68	2.99
	0.57	2.42	2.99
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

```

Pearson chi2(6) = 21.5065 Pr = 0.001
likelihood-ratio chi2(6) = 22.6028 Pr = 0.001
(file spmargen2.gph saved)
(file spmargen2.eps saved)

```

Key
<i>frequency</i> <i>row percentage</i> <i>column percentage</i> <i>cell percentage</i>

cohabitation/marital status now	respondent's gender		Total
	1. male	2. female	
1. single	36	28	64
	56.25	43.75	100.00
	10.59	7.71	9.10
	5.12	3.98	9.10
2. cohabitating	24	8	32
	75.00	25.00	100.00
	7.06	2.20	4.55
	3.41	1.14	4.55
3. married	244	245	489
	49.90	50.10	100.00
	71.76	67.49	69.56
	34.71	34.85	69.56
4. separated	0	8	8
	0.00	100.00	100.00
	0.00	2.20	1.14
	0.00	1.14	1.14
5. divorced	23	26	49
	46.94	53.06	100.00
	6.76	7.16	6.97
	3.27	3.70	6.97
6. widowed	13	48	61
	21.31	78.69	100.00
	3.82	13.22	8.68
	1.85	6.83	8.68
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

```

        Pearson chi2(5) = 36.5543    Pr = 0.000
    likelihood-ratio chi2(5) = 41.2595    Pr = 0.000
(file spmargen3.gph saved)
(file spmargen3.eps saved)

```

```

136 .
137 .
138 .
139 .
140 . // # children
141 .
142 . forvalues i=1/3 {
    2. tab childw`i'
    3. tab childw`i' gender, cell row col chi2 lrchi2 gamma taub
    4. spineplot childw`i' gender, percent
    5. gr save spchldgen`i'.gph, replace
    6. gr save spchldgen`i'.eps, replace
    7. }

```

number of children in 1986	Freq.	Percent	Cum.
0	339	48.43	48.43
1	157	22.43	70.86
2	184	26.29	97.14
3	18	2.57	99.71
4	1	0.14	99.86
5	1	0.14	100.00
Total	700	100.00	

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

number of children in 1986	respondent's gender		Total
	1. male	2. female	
0	184	155	339
	54.28	45.72	100.00
	54.28	42.94	48.43
	26.29	22.14	48.43
1	62	95	157
	39.49	60.51	100.00
	18.29	26.32	22.43
	8.86	13.57	22.43
2	87	97	184
	47.28	52.72	100.00
	25.66	26.87	26.29
	12.43	13.86	26.29
3	6	12	18
	33.33	66.67	100.00
	1.77	3.32	2.57
	0.86	1.71	2.57
4	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
5	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
Total	339	361	700
	48.43	51.57	100.00
	100.00	100.00	100.00
	48.43	51.57	100.00

```

Pearson chi2(5) = 13.2823   Pr = 0.021
likelihood-ratio chi2(5) = 14.1357   Pr = 0.015
gamma = 0.1582   ASE = 0.061
Kendall's tau-b = 0.0904   ASE = 0.035
(file spchldgen1.gph saved)
(file spchldgen1.eps saved)

```

number of children in 1996	Freq.	Percent	Cum.
0	202	28.73	28.73
1	228	32.43	61.17
2	248	35.28	96.44
3	22	3.13	99.57
4	2	0.28	99.86
5	1	0.14	100.00
Total	703	100.00	

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

number of children in 1996	respondent's gender		Total
	1. male	2. female	
0	120	82	202
	59.41	40.59	100.00
	35.29	22.59	28.73
	17.07	11.66	28.73
1	101	127	228
	44.30	55.70	100.00
	29.71	34.99	32.43
	14.37	18.07	32.43
2	110	138	248
	44.35	55.65	100.00
	32.35	38.02	35.28
	15.65	19.63	35.28
3	8	14	22
	36.36	63.64	100.00
	2.35	3.86	3.13
	1.14	1.99	3.13
4	1	1	2
	50.00	50.00	100.00
	0.29	0.28	0.28

	0.14	0.14	0.28
5	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

Pearson chi2(5) = 15.1748 Pr = 0.010
 likelihood-ratio chi2(5) = 15.6216 Pr = 0.008
 gamma = 0.1947 ASE = 0.058
 Kendall's tau-b = 0.1150 ASE = 0.035
 (file spchldgen2.gph saved)
 (file spchldgen2.eps saved)

number of children now	Freq.	Percent	Cum.
0	109	15.50	15.50
1	254	36.13	51.64
2	301	42.82	94.45
3	35	4.98	99.43
4	3	0.43	99.86
5	1	0.14	100.00
Total	703	100.00	

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>
<i>cell percentage</i>

number of children now	respondent's gender		Total
	1. male	2. female	
0	63	46	109
	57.80	42.20	100.00
	18.53	12.67	15.50
	8.96	6.54	15.50
1	123	131	254
	48.43	51.57	100.00
	36.18	36.09	36.13
	17.50	18.63	36.13
2	135	166	301
	44.85	55.15	100.00
	39.71	45.73	42.82
	19.20	23.61	42.82
3	18	17	35
	51.43	48.57	100.00
	5.29	4.68	4.98
	2.56	2.42	4.98
4	1	2	3
	33.33	66.67	100.00
	0.29	0.55	0.43
	0.14	0.28	0.43
5	0	1	1
	0.00	100.00	100.00
	0.00	0.28	0.14
	0.00	0.14	0.14
Total	340	363	703
	48.36	51.64	100.00
	100.00	100.00	100.00
	48.36	51.64	100.00

```

Pearson chi2(5) = 6.7126 Pr = 0.243
likelihood-ratio chi2(5) = 7.1146 Pr = 0.212
gamma = 0.1165 ASE = 0.061
Kendall's tau-b = 0.0671 ASE = 0.035
(file spchldgen3.gph saved)
(file spchldgen3.eps saved)

```

```
143 .  
144 . save chwide6dec2011master, replace  
    file chwide6dec2011master.dta saved  
  
145 . pwd  
    /Users/robertyaffee/Documents/data/research/chwk/phase3/sociodemo  
  
146 . save chwide6dec2011masterbkup, replace  
    file chwide6dec2011masterbkup.dta saved  
  
147 . pwd  
    /Users/robertyaffee/Documents/data/research/chwk/phase3/sociodemo  
  
148 .  
149 .
```