```
 ───────────────────────────────────────────────────────────────────────────────────
       name:  <unnamed>
        log:  /Users/arbor/Downloads/attempted_log.smcl
   log type:  smcl
  opened on:  29 Jun 2023, 12:10:20

1 . do "/Users/arbor/Documents/github repos/hons-project/data analysis/initial exploration/first_regression.do"

2 . clear

3 .
4 . *use "/home/sean/Code/honours/hons-project/cleaned_data/v3/basic_cleaned.dta"
5 . use "/Users/arbor/Documents/github repos/hons-project/cleaned_data/v3/basic_cleaned.dta"

6 .
7 . *human capital
8 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma  if sex_male == 1, vce(robust)

Linear regression                               Number of obs   =     64,858
                                                F(5, 64852)     =    2265.26
                                                Prob > F        =     0.0000
                                                R-squared       =     0.1501
                                                Root MSE        =     .47075

 ───────────────┬────────────────────────────────────────────────────────────
                │             Robust
       log_wage │ Coefficient  std. err.      t     P>|t|    [95% conf. interval]
 ───────────────┼────────────────────────────────────────────────────────────
    sector_public │  .0627814   .0043193    14.54   0.000    .0543155    .0712473
       experience │  .0274097   .0006383    42.94   0.000    .0261586    .0286609
     experience_sq │ -.000439   .0000137   -31.94   0.000   -.000466    -.0004121
         edu_uni │  .4445308   .0053942    82.41   0.000    .4339581    .4551036
  edu_diploma_cert │  .1808066   .0043258    41.80   0.000    .172328     .1892853
           _cons │  2.862391   .0065023   440.22   0.000    2.849647    2.875136
 ───────────────┴────────────────────────────────────────────────────────────

9 .
10 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma  if sex_female == 1, vce(robust)

Linear regression                               Number of obs   =     66,949
                                                F(5, 66943)     =    2753.30
                                                Prob > F        =     0.0000
                                                R-squared       =     0.1711
                                                Root MSE        =     .43283

 ───────────────┬────────────────────────────────────────────────────────────
                │             Robust
       log_wage │ Coefficient  std. err.      t     P>|t|    [95% conf. interval]
 ───────────────┼────────────────────────────────────────────────────────────
    sector_public │  .1303177   .0036565    35.64   0.000    .123151     .1374843
       experience │  .0174164   .0006256    27.84   0.000    .0161902    .0186425
     experience_sq │ -.0002443  .0000143   -17.10   0.000   -.0002723   -.0002163
         edu_uni │  .4117474   .004593     89.65   0.000    .402745     .4207497
  edu_diploma_cert │  .1945678   .0040664    47.85   0.000    .1865977    .202538
           _cons │  2.806717   .0064722   433.66   0.000    2.794031    2.819402
 ───────────────┴────────────────────────────────────────────────────────────

11 .
12 . *human capital + demographic
13 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
 > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT if sex_male == 1, vce(robust)

Linear regression                               Number of obs   =     64,858
                                                F(22, 64835)    =     634.71
                                                Prob > F        =     0.0000
                                                R-squared       =     0.1865
                                                Root MSE        =     .46064

 ───────────────┬────────────────────────────────────────────────────────────
                │             Robust
       log_wage │ Coefficient  std. err.      t     P>|t|    [95% conf. interval]
 ───────────────┼────────────────────────────────────────────────────────────
    sector_public │  .0490918   .0043433    11.30   0.000    .040579     .0576046
       experience │  .0197677   .0007025    28.14   0.000    .0183907    .0211447
     experience_sq │ -.0002897  .0000148   -19.61   0.000   -.0003187   -.0002608
         edu_uni │  .4179      .0053381    78.29   0.000    .4074373    .4283627
  edu_diploma_cert │  .1625205   .0042169    38.54   0.000    .1542554    .1707856
      children_1 │  .0265185   .0052735     5.03   0.000    .0161824    .0368546
      children_2 │  .0831493   .0054621    15.22   0.000    .0724436    .093855
      children_3 │  .0909405   .0079024    11.51   0.000    .0754519    .1064292
  children_4_plus │ -.0114527  .0138067    -0.83   0.407   -.0385138    .0156085
     health_poor │ -.0996266  .0054471   -18.29   0.000   -.110303    -.0889503
       birth_eng │  .0184389   .006451      2.86   0.004    .0057949    .0310829
      birth_neng │ -.1049336  .0060853   -17.24   0.000   -.1168607   -.0930065
     married_yes │  .1163143   .0054011    21.54   0.000    .105728     .1269005
     married_sep │  .0288233   .0089624     3.22   0.001    .0112571    .0463896
        urban_no │ -.0796726  .0060847   -13.09   0.000   -.0915986   -.0677465
       state_VIC │ -.0243926  .0049123    -4.97   0.000   -.0340207   -.0147645
        state_WA │  .0297972   .0077159     3.86   0.000    .014674     .0449204
       state_QLD │ -.0370959  .005109     -7.26   0.000   -.0471096   -.0270822
        state_SA │ -.1195562  .0070516   -16.95   0.000   -.1333774   -.105735
        state_NT │  .0434523   .0186227     2.33   0.020    .0069517    .0799528
       state_TAS │ -.1145482  .0094332   -12.14   0.000   -.1330372   -.0960591
       state_ACT │  .1552804   .011784     13.18   0.000    .1321838    .178377
           _cons │  2.891667   .0075288   384.08   0.000    2.87691     2.906423
 ───────────────┴────────────────────────────────────────────────────────────

14 .
15 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
 > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT if sex_female == 1, vce(robust)
```

```
Linear regression                          Number of obs   =    66,949
                                           F(22, 66926)    =    682.59
                                           Prob > F        =    0.0000
                                           R-squared       =    0.1846
                                           Root MSE        =    .42935
```

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.1226746	.0036794	33.34	0.000	.1154629	.1298862
experience	.0148853	.0006828	21.80	0.000	.0135469	.0162237
experience_sq	-.0001804	.0000155	-11.67	0.000	-.0002107	-.0001501
edu_uni	.4074788	.0046188	88.22	0.000	.398426	.4165316
edu_diploma_cert	.194337	.0040462	48.03	0.000	.1864064	.2022677
children_1	.0100218	.004693	2.14	0.033	.0008235	.0192201
children_2	.0308233	.0045856	6.72	0.000	.0218356	.0398111
children_3	.0283539	.0068987	4.11	0.000	.0148325	.0418753
children_4_plus	-.0382193	.0131711	-2.90	0.004	-.0640347	-.0124038
health_poor	-.0385575	.004673	-8.25	0.000	-.0477166	-.0293984
birth_eng	.0065881	.0060817	1.08	0.279	-.005332	.0185081
birth_neng	-.0464514	.0057132	-8.13	0.000	-.0576492	-.0352535
married_yes	.0616904	.0049255	12.52	0.000	.0520364	.0713444
married_sep	-.012203	.0066103	-1.85	0.065	-.0251592	.0007533
urban_no	-.0518999	.0056168	-9.24	0.000	-.0629087	-.0408911
state_VIC	-.0336152	.0045625	-7.37	0.000	-.0425576	-.0246727
state_WA	.0046851	.0066201	0.71	0.479	-.0082902	.0176604
state_QLD	-.0653347	.0047613	-13.72	0.000	-.0746668	-.0560026
state_SA	-.074592	.0064878	-11.50	0.000	-.0873081	-.061876
state_NT	-.0210647	.0170675	-1.23	0.217	-.0545171	.0123876
state_TAS	-.0698738	.0087771	-7.96	0.000	-.0870769	-.0526708
state_ACT	.0952092	.0110839	8.59	0.000	.0734847	.1169336
_cons	2.821221	.0077003	366.38	0.000	2.806128	2.836313

```
16 .
17 . *human capital + demographic + basic job char
18 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
  > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual if sex_male =
  > = 1, vce(robust)

Linear regression                          Number of obs   =    64,858
                                           F(26, 64831)    =    550.23
                                           Prob > F        =    0.0000
                                           R-squared       =    0.1909
                                           Root MSE        =    .4594
```

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0373895	.0044375	8.43	0.000	.028692	.046087
experience	.0187738	.0007041	26.66	0.000	.0173938	.0201538
experience_sq	-.000269	.0000148	-18.19	0.000	-.0002979	-.00024
edu_uni	.4183755	.0054331	77.00	0.000	.4077266	.4290243
edu_diploma_cert	.158323	.0042073	37.63	0.000	.1500766	.1665693
children_1	.0265623	.0052569	5.05	0.000	.0162587	.0368658
children_2	.0825083	.0054486	15.14	0.000	.071829	.0931876
children_3	.0900543	.0078788	11.43	0.000	.0746119	.1054966
children_4_plus	-.0041067	.0137368	-0.30	0.765	-.0310309	.0228175
health_poor	-.0937466	.0054033	-17.35	0.000	-.1043372	-.0831561
birth_eng	.0184105	.0064459	2.86	0.004	.0057765	.0310445
birth_neng	-.1063022	.0061155	-17.38	0.000	-.1182886	-.0943158
married_yes	.1127357	.0053882	20.92	0.000	.1021748	.1232966
married_sep	.0301339	.008932	3.37	0.001	.0126273	.0476406
urban_no	-.0758865	.0060385	-12.57	0.000	-.0877219	-.0640512
state_VIC	-.0252258	.0049149	-5.13	0.000	-.0348591	-.0155926
state_WA	.0310398	.0076751	4.04	0.000	.0159966	.0460831
state_QLD	-.0360224	.0050896	-7.08	0.000	-.0459979	-.0260468
state_SA	-.1173298	.0070262	-16.70	0.000	-.1311012	-.1035585
state_NT	.0443089	.0186478	2.38	0.017	.0077593	.0808586
state_TAS	-.1140378	.0094229	-12.10	0.000	-.1325067	-.0955689
state_ACT	.1610758	.0119246	13.51	0.000	.1377036	.184448
shiftwork_yes	.0425273	.0049488	8.59	0.000	.0328277	.0522269
parttime	-.0522929	.0080965	-6.46	0.000	-.068162	-.0364238
long_hours	-.0215977	.0037683	-5.73	0.000	-.0289836	-.0142119
casual	-.0689042	.0065701	-10.49	0.000	-.0817816	-.0560269
_cons	2.92228	.0079634	366.97	0.000	2.906672	2.937888

```
19 .
20 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
  > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual if sex_female
  > == 1, vce(robust)

Linear regression                          Number of obs   =    66,949
                                           F(26, 66922)    =    595.65
                                           Prob > F        =    0.0000
                                           R-squared       =    0.1911
                                           Root MSE        =    .42765
```

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.109987	.0037202	29.56	0.000	.1026954	.1172785
experience	.0141095	.0006822	20.68	0.000	.0127725	.0154466
experience_sq	-.0001672	.0000154	-10.85	0.000	-.0001974	-.000137
edu_uni	.4002924	.0046454	86.17	0.000	.3911873	.4093975
edu_diploma_cert	.1886231	.0040507	46.57	0.000	.1806836	.1965625
children_1	.0163379	.004765	3.43	0.001	.0069985	.0256774

children_2	.039612	.0047187	8.39	0.000	.0303632	.0488607
children_3	.0407448	.007	5.82	0.000	.0270248	.0544648
children_4_plus	−.0215264	.0131439	−1.64	0.101	−.0472885	.0042357
health_poor	−.0324918	.0046464	−6.99	0.000	−.0415988	−.0233848
birth_eng	.0074162	.0060786	1.22	0.222	−.0044978	.0193302
birth_neng	−.0475193	.0057102	−8.32	0.000	−.0587113	−.0363274
married_yes	.0612032	.0049337	12.41	0.000	.051533	.0708733
married_sep	−.0135311	.006572	−2.06	0.040	−.0264122	−.0006501
urban_no	−.0445602	.0055905	−7.97	0.000	−.0555177	−.0336027
state_VIC	−.0352911	.0045645	−7.73	0.000	−.0442375	−.0263448
state_WA	.0043789	.0065851	0.66	0.506	−.0085278	.0172856
state_QLD	−.0648755	.0047486	−13.66	0.000	−.0741828	−.0555682
state_SA	−.0712825	.0064611	−11.03	0.000	−.0839463	−.0586187
state_NT	−.0233378	.016934	−1.38	0.168	−.0565286	.0098529
state_TAS	−.0691926	.0087547	−7.90	0.000	−.0863519	−.0520333
state_ACT	.0948351	.0110672	8.57	0.000	.0731433	.1165269
shiftwork_yes	.0195068	.0045807	4.26	0.000	.0105287	.028485
parttime	−.0229861	.0039823	−5.77	0.000	−.0307914	−.0151808
long_hours	−.0361373	.004678	−7.72	0.000	−.0453062	−.0269684
casual	−.0897058	.0053438	−16.79	0.000	−.1001796	−.079232
_cons	2.862978	.0079267	361.18	0.000	2.847442	2.878514

```
21 .
22 . *human capital + demographic + basic job char + union
23 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes if
   > sex_male == 1, vce(robust)
```

Linear regression

Number of obs	=	64,858
F(27, 64830)	=	531.82
Prob > F	=	0.0000
R-squared	=	0.1913
Root MSE	=	.45929

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0297767	.0046745	6.37	0.000	.0206145	.0389388
experience	.0186174	.0007056	26.39	0.000	.0172345	.0200003
experience_sq	−.000268	.0000148	−18.13	0.000	−.000297	−.000239
edu_uni	.4188685	.0054346	77.07	0.000	.4082166	.4295204
edu_diploma_cert	.1576817	.0042035	37.51	0.000	.1494428	.1659206
children_1	.0261873	.005256	4.98	0.000	.0158855	.036489
children_2	.0819408	.0054469	15.04	0.000	.0712649	.0926167
children_3	.0893035	.0078763	11.34	0.000	.073866	.1047411
children_4_plus	−.0045864	.0137424	−0.33	0.739	−.0315214	.0223486
health_poor	−.0938975	.005398	−17.39	0.000	−.1044777	−.0833174
birth_eng	.0190794	.0064497	2.96	0.003	.0064381	.0317208
birth_neng	−.1058399	.0061204	−17.29	0.000	−.1178359	−.0938438
married_yes	.1130733	.0053854	21.00	0.000	.102518	.1236287
married_sep	.0303963	.0089286	3.40	0.001	.0128963	.0478963
urban_no	−.0753625	.0060311	−12.50	0.000	−.0871835	−.0635415
state_VIC	−.0255251	.0049153	−5.19	0.000	−.035159	−.0158911
state_WA	.0320112	.0076742	4.17	0.000	.0169698	.0470526
state_QLD	−.0353563	.0050899	−6.95	0.000	−.0453326	−.02538
state_SA	−.1170277	.0070181	−16.68	0.000	−.1307832	−.1032723
state_NT	.0473295	.0187056	2.53	0.011	.0106665	.0839924
state_TAS	−.1147321	.0094297	−12.17	0.000	−.1332143	−.0962498
state_ACT	.163945	.0119596	13.71	0.000	.1405041	.1873859
shiftwork_yes	.0374056	.0050212	7.45	0.000	.027564	.0472473
parttime	−.0508043	.0080873	−6.28	0.000	−.0666554	−.0349532
long_hours	−.0216253	.003768	−5.74	0.000	−.0290106	−.01424
casual	−.0658364	.0065946	−9.98	0.000	−.0787618	−.052911
union_yes	.0250525	.0043638	5.74	0.000	.0164994	.0336056
_cons	2.920073	.0079612	366.79	0.000	2.904469	2.935677

```
24 .
25 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes if
   > sex_female == 1, vce(robust)
```

Linear regression

Number of obs	=	66,949
F(27, 66921)	=	577.82
Prob > F	=	0.0000
R-squared	=	0.1918
Root MSE	=	.42745

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.1010103	.0039022	25.89	0.000	.0933621	.1086586
experience	.0138517	.000683	20.28	0.000	.0125131	.0151904
experience_sq	−.0001649	.0000154	−10.70	0.000	−.0001951	−.0001347
edu_uni	.3974603	.0046587	85.32	0.000	.3883293	.4065912
edu_diploma_cert	.1865586	.0040492	46.07	0.000	.1786223	.194495
children_1	.0161994	.0047623	3.40	0.001	.0068654	.0255334
children_2	.0392519	.0047176	8.32	0.000	.0300055	.0484983
children_3	.0397658	.007	5.68	0.000	.0260458	.0534858
children_4_plus	−.0223723	.013124	−1.70	0.088	−.0480953	.0033506
health_poor	−.0335147	.0046432	−7.22	0.000	−.0426153	−.0244141
birth_eng	.0076085	.0060766	1.25	0.211	−.0043016	.0195187
birth_neng	−.0469457	.0057055	−8.23	0.000	−.0581284	−.035763
married_yes	.0614694	.0049305	12.47	0.000	.0518057	.0711331
married_sep	−.0127505	.0065699	−1.94	0.052	−.0256275	.0001265
urban_no	−.0442106	.0055802	−7.92	0.000	−.0551477	−.0332735
state_VIC	−.0338892	.0045694	−7.42	0.000	−.0428453	−.0249331
state_WA	.0065213	.0065907	0.99	0.322	−.0063965	.0194391

state_QLD	−.0640095	.0047484	−13.48	0.000	−.0733164	−.0547026
state_SA	−.0697309	.006467	−10.78	0.000	−.0824061	−.0570556
state_NT	−.0196023	.0169094	−1.16	0.246	−.0527448	.0135402
state_TAS	−.0710365	.0087366	−8.13	0.000	−.0881603	−.0539127
state_ACT	.1005694	.0111267	9.04	0.000	.078761	.1223778
shiftwork_yes	.0138375	.0046329	2.99	0.003	.0047569	.022918
parttime	−.0235675	.0039795	−5.92	0.000	−.0313673	−.0157677
long_hours	−.0372596	.0046914	−7.94	0.000	−.0464547	−.0280645
casual	−.0844	.0053664	−15.73	0.000	−.0949181	−.0738819
union_yes	.0318729	.0039188	8.13	0.000	.0241921	.0395538
_cons	2.861585	.0079219	361.23	0.000	2.846058	2.877112

```
26 .
27 . *human capital + demographic + basic job char + union + WPS
28 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
  > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
  > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown if sex_male == 1, vce(robust)
```

Linear regression

Number of obs	=	64,858
F(32, 64825)	=	591.94
Prob > F	=	0.0000
R-squared	=	0.2334
Root MSE	=	.44719

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	−.0223393	.0046546	−4.80	0.000	−.0314623	−.0132163
experience	.0174225	.0006919	25.18	0.000	.0160664	.0187786
experience_sq	−.0002436	.0000145	−16.77	0.000	−.0002721	−.0002151
edu_uni	.3855451	.0053447	72.14	0.000	.3750696	.3960207
edu_diploma_cert	.1519817	.0041121	36.96	0.000	.143922	.1600414
children_1	.0250283	.0051027	4.90	0.000	.015027	.0350295
children_2	.080851	.0052957	15.27	0.000	.0704715	.0912305
children_3	.0884596	.0076242	11.60	0.000	.0735162	.1034029
children_4_plus	−.009688	.0132668	−0.73	0.465	−.035691	.016315
health_poor	−.0907886	.0053122	−17.09	0.000	−.1012005	−.0803768
birth_eng	.007234	.0062121	1.16	0.244	−.0049416	.0194097
birth_neng	−.1208986	.0059753	−20.23	0.000	−.1326103	−.109187
married_yes	.1135178	.0052702	21.54	0.000	.1031882	.1238475
married_sep	.0395265	.0087571	4.51	0.000	.0223626	.0566905
urban_no	−.0493068	.0058415	−8.44	0.000	−.0607561	−.0378575
state_VIC	−.0292435	.0047652	−6.14	0.000	−.0385833	−.0199037
state_WA	.0284735	.0073683	3.86	0.000	.0140317	.0429153
state_QLD	−.0266309	.0049492	−5.38	0.000	−.0363313	−.0169306
state_SA	−.1167383	.006952	−16.79	0.000	−.1303642	−.1031124
state_NT	.0578379	.0178323	3.24	0.001	.0228866	.0927892
state_TAS	−.1031135	.0093109	−11.07	0.000	−.1213629	−.0848641
state_ACT	.1275868	.011856	10.76	0.000	.104349	.1508246
shiftwork_yes	.0059094	.0049214	1.20	0.230	−.0037366	.0155555
parttime	−.029558	.0080101	−3.69	0.000	−.0452579	−.0138581
long_hours	−.0255075	.0036553	−6.98	0.000	−.0326718	−.0183431
casual	−.0331641	.0064447	−5.15	0.000	−.0457957	−.0205325
union_yes	.003037	.0043102	0.70	0.481	−.005411	.0114851
firm_size_20_99	.0958516	.0044827	21.38	0.000	.0870656	.1046377
firm_size_100_199	.1575049	.006265	25.14	0.000	.1452255	.1697843
firm_size_200_499	.2519758	.0064422	39.11	0.000	.2393491	.2646025
firm_size_500	.3189098	.0060314	52.88	0.000	.3070883	.3307313
firm_size_unknown	−.0164252	.0310505	−0.53	0.597	−.0772841	.0444337
_cons	2.840745	.0079874	355.65	0.000	2.82509	2.856401

```
29 .
30 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
  > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
  > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown if sex_female == 1, vce(robust)
```

Linear regression

Number of obs	=	66,949
F(32, 66916)	=	555.13
Prob > F	=	0.0000
R-squared	=	0.2131
Root MSE	=	.42181

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0576911	.0040003	14.42	0.000	.0498505	.0655316
experience	.0130771	.0006767	19.33	0.000	.0117508	.0144034
experience_sq	−.0001501	.0000153	−9.83	0.000	−.00018	−.0001202
edu_uni	.3800379	.0046103	82.43	0.000	.3710017	.3890742
edu_diploma_cert	.1875551	.0040087	46.79	0.000	.179698	.1954122
children_1	.0166317	.0047053	3.53	0.000	.0074093	.0258542
children_2	.0397536	.0046511	8.55	0.000	.0306374	.0488698
children_3	.0420319	.0068835	6.11	0.000	.0285402	.0555236
children_4_plus	−.0116589	.0130263	−0.90	0.371	−.0371905	.0138727
health_poor	−.0331292	.0046015	−7.20	0.000	−.0421482	−.0241102
birth_eng	−.0039527	.0060189	−0.66	0.511	−.0157498	.0078443
birth_neng	−.0582721	.0056192	−10.37	0.000	−.0692858	−.0472584
married_yes	.0635888	.004896	12.99	0.000	.0539926	.0731849
married_sep	−.007853	.0065119	−1.21	0.228	−.0206164	.0049104
urban_no	−.0259007	.0055484	−4.67	0.000	−.0367755	−.0150259
state_VIC	−.0408513	.0044972	−9.08	0.000	−.0496658	−.0320367
state_WA	.0026809	.0064813	0.41	0.679	−.0100225	.0153842
state_QLD	−.061201	.0046878	−13.06	0.000	−.0703891	−.052013
state_SA	−.0712245	.0064354	−11.07	0.000	−.0838379	−.0586111
state_NT	−.0038184	.0166976	−0.23	0.819	−.0365456	.0289089
state_TAS	−.0716334	.0086811	−8.25	0.000	−.0886483	−.0546185
state_ACT	.0695923	.0109159	6.38	0.000	.0481971	.0909875

shiftwork_yes	−.0147182	.0046602	−3.16	0.002	−.0238522	−.0055843
parttime	−.0118865	.0039376	−3.02	0.003	−.0196041	−.0041689
long_hours	−.0400485	.0045859	−8.73	0.000	−.0490369	−.0310601
casual	−.0621893	.0053579	−11.61	0.000	−.0726907	−.0516878
union_yes	.0266886	.0039222	6.80	0.000	.0190011	.0343761
firm_size_20_99	.0519306	.0042182	12.31	0.000	.0436628	.0601983
firm_size_100_199	.0923969	.0058613	15.76	0.000	.0809088	.103885
firm_size_200_499	.1268506	.0062993	20.14	0.000	.1145039	.1391973
firm_size_500	.2282708	.0057118	39.96	0.000	.2170756	.239466
firm_size_unknown	−.0021016	.0211471	−0.10	0.921	−.04355	.0393467
_cons	2.813586	.0080722	348.55	0.000	2.797765	2.829408

```
31 .
32 . *human capital + demographic + basic job char + union + WPS + ind
33 . *ind_agri ind_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind_health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_re
   > c ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_public_admin
34 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
   > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown ind_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind
   > _health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_pu
   > blic_admin if sex_male == 1, vce(robust)
```

Linear regression		Number of obs	=	64,858
		F(50, 64807)	=	518.13
		Prob > F	=	0.0000
		R-squared	=	0.2861
		Root MSE	=	.43162

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	−.0140805	.0061978	−2.27	0.023	−.0262281	−.0019329
experience	.0180515	.0006747	26.75	0.000	.016729	.019374
experience_sq	−.0002531	.0000141	−17.93	0.000	−.0002808	−.0002255
edu_uni	.3523945	.0055119	63.93	0.000	.3415912	.3631977
edu_diploma_cert	.136159	.0040346	33.75	0.000	.1282512	.1440669
children_1	.0260271	.004894	5.32	0.000	.0164349	.0356193
children_2	.0744287	.0051165	14.55	0.000	.0644004	.0844571
children_3	.0881578	.0072863	12.10	0.000	.0738767	.1024389
children_4_plus	−.0132707	.0127381	−1.04	0.298	−.0382374	.0116961
health_poor	−.0824243	.0051579	−15.98	0.000	−.0925338	−.0723148
birth_eng	.0061852	.0059547	1.04	0.299	−.005486	.0178564
birth_neng	−.1033041	.0058304	−17.72	0.000	−.1147316	−.0918765
married_yes	.1007396	.0051233	19.66	0.000	.0906979	.1107813
married_sep	.0348753	.0084745	4.12	0.000	.0182654	.0514853
urban_no	−.0356288	.0057108	−6.24	0.000	−.046822	−.0244355
state_VIC	−.0146498	.0046509	−3.15	0.002	−.0237656	−.0055341
state_WA	.0079913	.0071412	1.12	0.263	−.0060054	.021988
state_QLD	−.0226841	.0047532	−4.77	0.000	−.0320004	−.0133679
state_SA	−.0969875	.0068212	−14.22	0.000	−.110357	−.0836179
state_NT	.0566085	.0168603	3.36	0.001	.0235623	.0896547
state_TAS	−.0864662	.0092959	−9.30	0.000	−.1046861	−.0682463
state_ACT	.1206789	.0114956	10.50	0.000	.0981476	.1432102
shiftwork_yes	.0316061	.0050152	6.30	0.000	.0217763	.0414358
parttime	.0113747	.0080269	1.42	0.156	−.004358	.0271075
long_hours	−.0393615	.0035465	−11.10	0.000	−.0463125	−.0324104
casual	−.0381198	.0063496	−6.00	0.000	−.050565	−.0256747
union_yes	−.0070924	.0042093	−1.68	0.092	−.0153427	.0011578
firm_size_20_99	.0941707	.0043703	21.55	0.000	.0856048	.1027365
firm_size_100_199	.1518713	.0061118	24.85	0.000	.1398922	.1638505
firm_size_200_499	.210674	.0063221	33.32	0.000	.1982826	.2230655
firm_size_500	.2730654	.0060276	45.30	0.000	.2612513	.2848794
firm_size_unknown	−.0404305	.0307894	−1.31	0.189	−.1007778	.0199168
ind_wholesale	.176201	.014253	12.36	0.000	.1482651	.204137
ind_finance	.4233332	.015456	27.39	0.000	.3930395	.4536269
ind_education	.157028	.0145008	10.83	0.000	.1286064	.1854496
ind_mine	.5415557	.0153457	35.29	0.000	.5114781	.5716334
ind_retail	.0383224	.0134209	2.86	0.004	.0120174	.0646274
ind_housing	.1860412	.0222915	8.35	0.000	.14235	.2297325
ind_health	.1612795	.0151379	10.65	0.000	.1316092	.1909498
ind_manufact	.1372821	.0128138	10.71	0.000	.1121671	.1623971
ind_accomo_food	.0117109	.015406	0.76	0.447	−.0184849	.0419067
ind_prof_sci_technical	.3649018	.0139089	26.24	0.000	.3376404	.3921631
ind_arts_rec	.0522849	.0186939	2.80	0.005	.0156448	.088925
ind_utilities	.3540789	.0173809	20.37	0.000	.3200123	.3881455
ind_logistics	.1813295	.0137631	13.18	0.000	.1543539	.2083052
ind_admin	.1296983	.0166135	7.81	0.000	.0971358	.1622608
ind_other_unknown	.1462506	.0149253	9.80	0.000	.116997	.1755042
ind_construct	.3144456	.0130414	24.11	0.000	.2888845	.3400068
ind_it	.2475625	.0163525	15.14	0.000	.2155116	.2796135
ind_public_admin	.2430427	.0140113	17.35	0.000	.2155806	.2705048
_cons	2.651101	.0142206	186.43	0.000	2.623229	2.678973

```
35 .
36 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
   > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown ind_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind
   > _health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_pu
   > blic_admin if sex_female == 1, vce(robust)
```

Linear regression		Number of obs	=	66,949
		F(50, 66898)	=	408.93
		Prob > F	=	0.0000
		R-squared	=	0.2331
		Root MSE	=	.41647

	Robust

log_wage	Coefficient	std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0257094	.0047705	5.39	0.000	.0163593	.0350595
experience	.0120228	.0006737	17.85	0.000	.0107024	.0133432
experience_sq	-.0001304	.0000152	-8.57	0.000	-.0001602	-.0001005
edu_uni	.3567307	.0047548	75.03	0.000	.3474114	.3660501
edu_diploma_cert	.1722659	.0040785	42.24	0.000	.1642721	.1802597
children_1	.02015	.0046591	4.32	0.000	.0110182	.0292818
children_2	.0385468	.0046027	8.37	0.000	.0295255	.047568
children_3	.0427099	.0068227	6.26	0.000	.0293375	.0560823
children_4_plus	-.0073873	.012976	-0.57	0.569	-.0328202	.0180456
health_poor	-.0314987	.0045585	-6.91	0.000	-.0404333	-.022564
birth_eng	-.0047797	.0059432	-0.80	0.421	-.0164284	.0068689
birth_neng	-.0554038	.0055644	-9.96	0.000	-.0663099	-.0444976
married_yes	.0605125	.0048654	12.44	0.000	.0509764	.0700486
married_sep	-.0088382	.0064769	-1.36	0.172	-.021533	.0038565
urban_no	-.0185481	.0054565	-3.40	0.001	-.0292428	-.0078533
state_VIC	-.0399004	.0044409	-8.98	0.000	-.0486045	-.0311963
state_WA	-.0039441	.006361	-0.62	0.535	-.0164116	.0085234
state_QLD	-.0597369	.0046414	-12.87	0.000	-.0688341	-.0506398
state_SA	-.0760928	.0064027	-11.88	0.000	-.0886422	-.0635435
state_NT	-.0019448	.016342	-0.12	0.905	-.0339751	.0300856
state_TAS	-.0697878	.0086053	-8.11	0.000	-.0866543	-.0529214
state_ACT	.0477818	.0108882	4.39	0.000	.026441	.0691226
shiftwork_yes	.0066665	.004862	1.37	0.170	-.0028631	.0161961
parttime	-.0010457	.003932	-0.27	0.790	-.0087525	.0066611
long_hours	-.0394993	.0045666	-8.65	0.000	-.0484498	-.0305487
casual	-.0376032	.0054585	-6.89	0.000	-.0483017	-.0269046
union_yes	.0380513	.0039712	9.58	0.000	.0302677	.0458349
firm_size_20_99	.0521896	.0042297	12.34	0.000	.0438945	.0604797
firm_size_100_199	.0893295	.0058209	15.35	0.000	.0779206	.1007385
firm_size_200_499	.1093686	.0062601	17.47	0.000	.0970989	.1216384
firm_size_500	.208672	.005747	36.31	0.000	.1974079	.2199361
firm_size_unknown	-.0204462	.0210311	-0.97	0.331	-.0616671	.0207747
ind_wholesale	.2010035	.025802	7.79	0.000	.1504316	.2515755
ind_finance	.3184941	.0250992	12.69	0.000	.2693022	.3676861
ind_education	.2294106	.0244132	9.40	0.000	.1815606	.2772605
ind_mine	.4597617	.031239	14.72	0.000	.3985332	.5209901
ind_retail	.0997019	.0242295	4.11	0.000	.0522122	.1471916
ind_housing	.2553218	.0273581	9.33	0.000	.2017	.3089436
ind_health	.2225443	.0241732	9.21	0.000	.1751648	.2699238
ind_manufact	.1604745	.0250415	6.41	0.000	.1113931	.2095559
ind_accomo_food	.0827157	.0248351	3.33	0.001	.0340389	.1313925
ind_prof_sci_technical	.3048754	.0248285	12.28	0.000	.2562115	.3535392
ind_arts_rec	.1684882	.0276579	6.09	0.000	.1142787	.2226977
ind_utilities	.413325	.0303426	13.62	0.000	.3538535	.4727965
ind_logistics	.2142211	.0267075	8.02	0.000	.1618744	.2665698
ind_admin	.1819296	.0259419	7.01	0.000	.1310836	.2327757
ind_other_unknown	.2055143	.0258415	7.95	0.000	.1548651	.2561635
ind_construct	.3137484	.0278255	11.28	0.000	.2592105	.3682863
ind_it	.2494026	.0267324	9.33	0.000	.1970072	.301798
ind_public_admin	.3314667	.024765	13.38	0.000	.2829274	.380006
_cons	2.61606	.0253299	103.28	0.000	2.566414	2.665707

```
37 .
38 . *human capital + demographic + basic job char + union + WPS + occ
39 . *occ_manage occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_personal_service occ_sales occ_labourer
40 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
   > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_pers
   > onal_service occ_sales occ_labourer if sex_male == 1, vce(robust)
```

Linear regression

Number of obs	=	64,858
F(39, 64818)	=	615.82
Prob > F	=	0.0000
R-squared	=	0.2837
Root MSE	=	.43228

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	-.0408962	.0047456	-8.62	0.000	-.0501976	-.0315948
experience	.0158101	.0006747	23.43	0.000	.0144878	.0171324
experience_sq	-.0002134	.0000141	-15.15	0.000	-.000241	-.0001857
edu_uni	.2504097	.0056523	44.30	0.000	.2393312	.2614883
edu_diploma_cert	.1024754	.00414	24.75	0.000	.094361	.1105897
children_1	.024823	.0049251	5.04	0.000	.0151699	.0344761
children_2	.0731202	.0051086	14.31	0.000	.0631074	.0831331
children_3	.0838597	.0072644	11.54	0.000	.0696215	.098098
children_4_plus	-.0134248	.0129081	-1.04	0.298	-.0387248	.0118752
health_poor	-.0810599	.0051162	-15.84	0.000	-.0910876	-.0710321
birth_eng	-.0023214	.0060232	-0.39	0.700	-.0141269	.0094842
birth_neng	-.0993519	.0057485	-17.28	0.000	-.1106189	-.0880849
married_yes	.0989144	.0051378	19.25	0.000	.0888442	.1089845
married_sep	.0425677	.008448	5.04	0.000	.0260096	.0591258
urban_no	-.0364873	.0057844	-6.31	0.000	-.0478248	-.0251498
state_VIC	-.0289023	.0046102	-6.27	0.000	-.0379383	-.0198663
state_WA	.0351271	.0070923	4.95	0.000	.0212262	.0490281
state_QLD	-.0139976	.0047964	-2.92	0.004	-.0233985	-.0045966
state_SA	-.1039882	.0067115	-15.49	0.000	-.1171428	-.0908337
state_NT	.0632011	.0169857	3.72	0.000	.0299091	.096493
state_TAS	-.0840487	.0091856	-9.15	0.000	-.1020524	-.066045
state_ACT	.095545	.0111968	8.53	0.000	.0735992	.1174908
shiftwork_yes	.0411006	.0051656	7.96	0.000	.030976	.0512251
parttime	-.0217369	.0078008	-2.79	0.005	-.0370265	-.0064472
long_hours	-.0542146	.0035817	-15.14	0.000	-.0612347	-.0471944
casual	.0138296	.0063756	2.17	0.030	.0013334	.0263257
union_yes	.0321682	.0042422	7.58	0.000	.0238536	.0404829
firm_size_20_99	.0923512	.0043819	21.08	0.000	.0837628	.1009397

	Coefficient	std. err.	t	P>|t|	[95% conf. interval]	
firm_size_100_199	.1491943	.0060739	24.56	0.000	.1372894	.1610992
firm_size_200_499	.2419528	.0062228	38.88	0.000	.2297561	.2541495
firm_size_500	.2972865	.0058894	50.48	0.000	.2857434	.3088297
firm_size_unknown	−.0054329	.0301975	−0.18	0.857	−.0646201	.0537542
occ_tech_trade	−.1979536	.0061728	−32.07	0.000	−.2100523	−.185855
occ_clerical_admin	−.2772743	.0071506	−38.78	0.000	−.2912895	−.2632591
occ_machinery	−.305972	.0071232	−42.95	0.000	−.3199335	−.2920105
occ_prof	−.0590008	.0061904	−9.53	0.000	−.071134	−.0468676
occ_community_personal_service	−.2550937	.0086206	−29.59	0.000	−.27199	−.2381974
occ_sales	−.3412231	.0091378	−37.34	0.000	−.3591332	−.3233129
occ_labourer	−.4120484	.0080671	−51.08	0.000	−.4278598	−.396237
_cons	3.101332	.0094997	326.47	0.000	3.082713	3.119952

```
41 .
42 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
   > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_pers
   > onal_service occ_sales occ_labourer if sex_female == 1, vce(robust)
```

Linear regression

Number of obs	=	66,949		
F(39, 66909)	=	621.60		
Prob > F	=	0.0000		
R-squared	=	0.2750		
Root MSE	=	.40489		

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0259123	.003884	6.67	0.000	.0182997	.0335249
experience	.0113379	.000654	17.34	0.000	.0100561	.0126197
experience_sq	−.0001234	.0000147	−8.42	0.000	−.0001522	−.0000947
edu_uni	.2406973	.0049964	48.17	0.000	.2309043	.2504903
edu_diploma_cert	.1377817	.0040205	34.27	0.000	.1299015	.145662
children_1	.0188139	.0045241	4.16	0.000	.0099467	.0276811
children_2	.032496	.0044593	7.29	0.000	.0237557	.0412363
children_3	.0331571	.0066222	5.01	0.000	.0201776	.0461366
children_4_plus	−.0183218	.0128459	−1.43	0.154	−.0434997	.0068561
health_poor	−.023218	.004438	−5.23	0.000	−.0319164	−.0145196
birth_eng	−.0118256	.0056973	−2.08	0.038	−.0229922	−.000659
birth_neng	−.0240283	.0053731	−4.47	0.000	−.0345595	−.013497
married_yes	.0567035	.0047609	11.91	0.000	.047372	.0660349
married_sep	.0049456	.0063102	0.78	0.433	−.0074223	.0173135
urban_no	−.0172423	.0054076	−3.19	0.001	−.0278413	−.0066433
state_VIC	−.0424866	.0043041	−9.87	0.000	−.0509227	−.0340506
state_WA	−.0015504	.0062221	−0.25	0.803	−.0137457	.010645
state_QLD	−.0453967	.0045061	−10.07	0.000	−.0542286	−.0365648
state_SA	−.0615284	.0062058	−9.91	0.000	−.0736918	−.0493651
state_NT	.0104733	.0158372	0.66	0.508	−.0205675	.0415142
state_TAS	−.0532454	.0085995	−6.19	0.000	−.0701005	−.0363903
state_ACT	.0500032	.0103561	4.83	0.000	.0297052	.0703011
shiftwork_yes	.0182963	.0046985	3.89	0.000	.0090872	.0275054
parttime	.0102998	.0038026	2.71	0.007	.0028466	.0177529
long_hours	−.091619	.0045303	−20.22	0.000	−.1004983	−.0827396
casual	−.0268189	.0052566	−5.10	0.000	−.0371219	−.016516
union_yes	.0097123	.0038119	2.55	0.011	.0022409	.0171836
firm_size_20_99	.0498286	.0040885	12.19	0.000	.0418152	.0578421
firm_size_100_199	.099077	.0055848	17.74	0.000	.0881307	.1100232
firm_size_200_499	.1306376	.0060105	21.73	0.000	.118857	.1424182
firm_size_500	.2085371	.00549	37.98	0.000	.1977766	.2192976
firm_size_unknown	.0210428	.020329	1.04	0.301	−.018802	.0608876
occ_tech_trade	−.3284479	.0094501	−34.76	0.000	−.34697	−.3099258
occ_clerical_admin	−.2549142	.0065554	−38.89	0.000	−.2677627	−.2420657
occ_machinery	−.2902038	.0165907	−17.49	0.000	−.3227219	−.257686
occ_prof	−.0594993	.0064574	−9.21	0.000	−.0721558	−.0468427
occ_community_personal_service	−.3361833	.0073309	−45.86	0.000	−.3505518	−.3218147
occ_sales	−.357625	.0080757	−44.28	0.000	−.3734533	−.3417967
occ_labourer	−.466464	.0099176	−47.03	0.000	−.4859024	−.4470256
_cons	3.098403	.0098829	313.51	0.000	3.079033	3.117774

```
43 .
44 . *human capital + demographic + basic job char + union + WPS + ind + occ
45 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes
   > m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown ind_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind
   > _health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_pu
   > blic_admin occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_personal_service occ_sales occ_labourer if sex_male == 1, vce(robust)
```

Linear regression

Number of obs	=	64,858		
F(57, 64800)	=	558.29		
Prob > F	=	0.0000		
R-squared	=	0.3384		
Root MSE	=	.41551		

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	−.0136579	.0059534	−2.29	0.022	−.0253265	−.0019892
experience	.0164371	.0006559	25.06	0.000	.0151515	.0177227
experience_sq	−.0002256	.0000137	−16.52	0.000	−.0002524	−.0001989
edu_uni	.2378455	.0055225	43.07	0.000	.2270214	.2486697
edu_diploma_cert	.0943561	.0039908	23.64	0.000	.0865341	.102178
children_1	.025913	.0046994	5.51	0.000	.0167021	.0351238
children_2	.0651674	.0049223	13.24	0.000	.0555197	.0748151
children_3	.0802817	.0068963	11.64	0.000	.0667649	.0937985
children_4_plus	−.0202295	.0123853	−1.63	0.102	−.0445048	.0040457
health_poor	−.0706993	.0049455	−14.30	0.000	−.0803925	−.061006
birth_eng	−.0011294	.005747	−0.20	0.844	−.0123936	.0101347

	Coefficient	std. err.	t	P>|t|	[95% conf. interval]	
birth_neng	−.0823816	.0055986	−14.71	0.000	−.0933548	−.0714084
married_yes	.0834602	.0049733	16.78	0.000	.0737126	.0932079
married_sep	.0344331	.0081546	4.22	0.000	.0184501	.0504161
urban_no	−.0267164	.0055784	−4.79	0.000	−.0376501	−.0157827
state_VIC	−.0150158	.0044815	−3.35	0.001	−.0237995	−.006232
state_WA	.0116073	.0068381	1.70	0.090	−.0017955	.02501
state_QLD	−.0114202	.0045748	−2.50	0.013	−.0203868	−.0024535
state_SA	−.0849146	.0065649	−12.93	0.000	−.0977819	−.0720474
state_NT	.0554583	.0161679	3.43	0.001	.0237692	.0871474
state_TAS	−.0726101	.0091207	−7.96	0.000	−.0904867	−.0547335
state_ACT	.0858907	.0109201	7.87	0.000	.0644873	.107294
shiftwork_yes	.0600438	.0051125	11.74	0.000	.0500234	.0700642
parttime	.0242921	.0077838	3.12	0.002	.0090359	.0395484
long_hours	−.0756468	.0034612	−21.86	0.000	−.0824308	−.0688628
casual	.0061949	.006241	0.99	0.321	−.0060374	.0184273
union_yes	.0231471	.0041069	5.64	0.000	.0150975	.0311966
firm_size_20_99	.0963927	.0042346	22.76	0.000	.0880928	.1046926
firm_size_100_199	.151321	.005876	25.75	0.000	.139804	.162634
firm_size_200_499	.2059971	.0060413	34.10	0.000	.1941562	.217838
firm_size_500	.2603936	.0058471	44.53	0.000	.2489334	.2718539
firm_size_unknown	−.0249692	.0299359	−0.83	0.404	−.0836435	−.0337052
ind_wholesale	.1657081	.0143214	11.57	0.000	.1376381	.1937781
ind_finance	.3610569	.0155636	23.20	0.000	.3305523	.3915615
ind_education	.0617314	.0147105	4.20	0.000	.0328989	.0905639
ind_mine	.5637336	.0155082	36.35	0.000	.5333376	.5941296
ind_retail	.0177704	.0138704	1.28	0.200	−.0094155	.0449563
ind_housing	.1705065	.0216673	7.87	0.000	.1280387	.2129744
ind_health	.1078161	.0155199	6.95	0.000	.077397	.1382351
ind_manufact	.1410058	.0129769	10.87	0.000	.1155709	.1664406
ind_accomo_food	−.0463542	.0155771	−2.98	0.003	−.0768854	−.0158231
ind_prof_sci_technical	.2816816	.0142162	19.81	0.000	.2538179	.3095454
ind_arts_rec	.0091736	.0184815	0.50	0.620	−.0270502	.0453973
ind_utilities	.366236	.0172721	21.20	0.000	.3323826	.4000893
ind_logistics	.2225328	.0140098	15.88	0.000	.1950736	.249992
ind_admin	.1306719	.0164239	7.96	0.000	.098481	.1628629
ind_other_unknown	.1362529	.0152361	8.94	0.000	.10639	.1661158
ind_construct	.3371695	.0133355	25.28	0.000	.3110319	.3633072
ind_it	.1743036	.0162403	10.73	0.000	.1424726	.2061347
ind_public_admin	.2064124	.0143475	14.39	0.000	.1782914	.2345334
occ_tech_trade	−.2575462	.006152	−41.86	0.000	−.2696042	−.2454882
occ_clerical_admin	−.3298116	.0070746	−46.62	0.000	−.3436779	−.3159453
occ_machinery	−.3800075	.0070961	−53.55	0.000	−.3939158	−.3660991
occ_prof	−.0903956	.0061952	−14.59	0.000	−.1025382	−.0782529
occ_community_personal_service	−.2575098	.0086706	−29.70	0.000	−.2745041	−.2405155
occ_sales	−.2878906	.0092777	−31.03	0.000	−.3060749	−.2697064
occ_labourer	−.429062	.0078776	−54.47	0.000	−.4445021	−.4136219
_cons	2.95773	.0152238	194.28	0.000	2.927891	2.987569

```
46 .

47 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
> g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes fir
> m_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown ind_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind
> _health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_pu
> blic_admin occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_personal_service occ_sales occ_labourer if sex_female == 1, vce(robust)
```

Linear regression

```
Number of obs   =     66,949
F(57, 66891)    =     472.16
Prob > F        =     0.0000
R-squared       =     0.2914
Root MSE        =     .40034
```

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0112189	.0045846	2.45	0.014	.0022331	.0202047
experience	.0105377	.0006526	16.15	0.000	.0092586	.0118168
experience_sq	−.0001062	.0000147	−7.25	0.000	−.0001349	−.0000775
edu_uni	.2303138	.0049997	46.07	0.000	.2205144	.2401131
edu_diploma_cert	.1306381	.0040093	32.58	0.000	.1227798	.1384964
children_1	.0202937	.0044833	4.53	0.000	.0115064	.0290809
children_2	.0318336	.0044281	7.19	0.000	.0231546	.0405126
children_3	.0350845	.0065638	5.35	0.000	.0222195	.0479495
children_4_plus	−.0104059	.0127856	−0.81	0.416	−.0354657	.0146538
health_poor	−.0219547	.0044055	−4.98	0.000	−.0305895	−.01332
birth_eng	−.0121426	.0056387	−2.15	0.031	−.0231946	−.0010907
birth_neng	−.0263136	.0053461	−4.92	0.000	−.036792	−.0158352
married_yes	.0563174	.0047313	11.90	0.000	.0470441	.0655908
married_sep	.0051265	.0062756	0.82	0.414	−.0071737	.0174267
urban_no	−.0151244	.005326	−2.84	0.005	−.0255633	−.0046855
state_VIC	−.0429624	.0042624	−10.08	0.000	−.0513167	−.0346081
state_WA	−.0082407	.0061267	−1.35	0.179	−.0202491	.0037677
state_QLD	−.0473753	.0044611	−10.62	0.000	−.0561189	−.0386316
state_SA	−.0687024	.0061841	−11.11	0.000	−.0808233	−.0565815
state_NT	.008599	.0154471	0.56	0.578	−.0216774	.0388754
state_TAS	−.0556137	.0085385	−6.51	0.000	−.0723491	−.0388782
state_ACT	.0245909	.0102697	2.39	0.017	.0044622	.0447195
shiftwork_yes	.0250995	.0048347	5.19	0.000	.0156235	.0345755
parttime	.0209626	.0037854	5.54	0.000	.0135432	.0283821
long_hours	−.0919432	.0044934	−20.46	0.000	−.1007501	−.0831362
casual	−.0114584	.0053331	−2.15	0.032	−.0219113	−.0010056
union_yes	.0212545	.0038458	5.53	0.000	.0137167	.0287924
firm_size_20_99	.0560607	.0040953	13.69	0.000	.048034	.0640874
firm_size_100_199	.1000642	.005551	18.03	0.000	.0891843	.1109441
firm_size_200_499	.1141116	.0059877	19.06	0.000	.1023756	.1258476
firm_size_500	.1888573	.005532	34.14	0.000	.1780146	.1996999
firm_size_unknown	.0051327	.0202813	0.25	0.800	−.0346186	.0448841
ind_wholesale	.1416992	.0254039	5.58	0.000	.0919076	.1914908
ind_finance	.232846	.0248466	9.37	0.000	.1841467	.2815454
ind_education	.113481	.0241782	4.69	0.000	.0660917	.1608704

ind_mine	.4016884	.0308673	13.01	0.000	.3411884	.4621884
ind_retail	.0166482	.0242959	0.69	0.493	−.0309718	.0642681
ind_housing	.2014327	.0271527	7.42	0.000	.1482135	.2546519
ind_health	.1473212	.0240215	6.13	0.000	.100239	.1944034
ind_manufact	.1244772	.0244823	5.08	0.000	.076492	.1724624
ind_accomo_food	.033094	.0244945	1.35	0.177	−.0149153	.0811032
ind_prof_sci_technical	.1939512	.0245738	7.89	0.000	.1457865	.2421158
ind_arts_rec	.0915185	.0272803	3.35	0.001	.0380491	.1449879
ind_utilities	.3468259	.0295771	11.73	0.000	.2888549	.404797
ind_logistics	.1767106	.0265534	6.65	0.000	.124666	.2287553
ind_admin	.1231402	.0253345	4.86	0.000	.0734847	.1727958
ind_other_unknown	.139268	.0254203	5.48	0.000	.0894441	.1890918
ind_construct	.2653829	.0275043	9.65	0.000	.2114744	.3192914
ind_it	.1440912	.0263166	5.48	0.000	.0925107	.1956718
ind_public_admin	.2592859	.0245618	10.56	0.000	.2111447	.3074271
occ_tech_trade	−.3374934	.0093639	−36.04	0.000	−.3558468	−.3191401
occ_clerical_admin	−.2952461	.0065369	−45.17	0.000	−.3080584	−.2824338
occ_machinery	−.3326554	.0161033	−20.66	0.000	−.3642178	−.3010929
occ_prof	−.0716862	.0065551	−10.94	0.000	−.0845341	−.0588383
occ_community_personal_service	−.3454917	.0074281	−46.51	0.000	−.3600508	−.3309326
occ_sales	−.3015545	.0086107	−35.02	0.000	−.3184314	−.2846775
occ_labourer	−.4513985	.0101394	−44.52	0.000	−.4712717	−.4315253
_cons	2.977861	.0257478	115.66	0.000	2.927396	3.028327

```
48 .
49 . *human capital + demographic + basic job char + union + ind + occ
50 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes ind
   > _wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind_health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_rec ind_utiliti
   > es ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_public_admin occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_pe
   > rsonal_service occ_sales occ_labourer if sex_male == 1, vce(robust)
```

Linear regression		Number of obs	=	64,858
		F(52, 64805)	=	535.65
		Prob > F	=	0.0000
		R−squared	=	0.3129
		Root MSE	=	.42342

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0208805	.0059732	3.50	0.000	.009173	.032588
experience	.0170399	.0006651	25.62	0.000	.0157362	.0183435
experience_sq	−.0002404	.0000138	−17.38	0.000	−.0002675	−.0002133
edu_uni	.2531347	.0056314	44.95	0.000	.2420973	.2641722
edu_diploma_cert	.0983339	.0040471	24.30	0.000	.0904016	.1062661
children_1	.0269479	.0048012	5.61	0.000	.0175375	.0363583
children_2	.065984	.0050233	13.14	0.000	.0561384	.0758296
children_3	.0806568	.0070548	11.43	0.000	.0668293	.0944843
children_4_plus	−.0161023	.0127073	−1.27	0.205	−.0410086	.008804
health_poor	−.0732633	.0050014	−14.65	0.000	−.083066	−.0634606
birth_eng	.007413	.0059107	1.25	0.210	−.0041719	.0189979
birth_neng	−.0712246	.0057044	−12.49	0.000	−.0824053	−.0600439
married_yes	.0825997	.0050429	16.38	0.000	.0727155	.0924838
married_sep	.0292766	.0082879	3.53	0.000	.0130324	.0455209
urban_no	−.0450957	.0057117	−7.90	0.000	−.0562906	−.0339009
state_VIC	−.0104828	.0045783	−2.29	0.022	−.0194563	−.0015002
state_WA	.0117193	.0070113	1.67	0.095	−.0020228	.0254615
state_QLD	−.0164928	.0046648	−3.54	0.000	−.0256357	−.0073499
state_SA	−.0829809	.0066292	−12.52	0.000	−.0959742	−.0699877
state_NT	.0487041	.016651	2.92	0.003	.0160682	.0813401
state_TAS	−.0807474	.0092474	−8.73	0.000	−.0988722	−.0626225
state_ACT	.1082298	.0109152	9.92	0.000	.0868359	.1296237
shiftwork_yes	.0826682	.0051796	15.96	0.000	.0725162	.0928201
parttime	.009534	.0078472	1.21	0.224	−.0058465	.0249146
long_hours	−.0727349	.0035425	−20.53	0.000	−.0796782	−.0657916
casual	−.0150311	.0063587	−2.36	0.018	−.027494	−.0025681
union_yes	.0407282	.0041515	9.81	0.000	.0325913	.0488651
ind_wholesale	.1816638	.0145419	12.49	0.000	.1531617	.2101659
ind_finance	.4529693	.015722	28.81	0.000	.4221542	.4837844
ind_education	.1089175	.0149274	7.30	0.000	.0796598	.1381752
ind_mine	.675333	.0156474	43.16	0.000	.6446641	.7060019
ind_retail	.0446628	.0141033	3.17	0.002	.0170203	.0723053
ind_housing	.1771219	.0221207	8.01	0.000	.1337653	.2204785
ind_health	.1715178	.0156446	10.96	0.000	.1408543	.2021812
ind_manufact	.2053507	.0131275	15.64	0.000	.1796209	.2310806
ind_accomo_food	−.0098458	.0157965	−0.62	0.533	−.040807	.0211154
ind_prof_sci_technical	.3227389	.0144703	22.30	0.000	.294377	.3511007
ind_arts_rec	.0715047	.0187315	3.82	0.000	.0347911	.1082184
ind_utilities	.4293869	.0174465	24.61	0.000	.3951917	.4635822
ind_logistics	.2698961	.0142108	18.99	0.000	.2420429	.2977493
ind_admin	.163189	.0166173	9.82	0.000	.1306191	.195759
ind_other_unknown	.1474814	.0155928	9.46	0.000	.1169196	.1780432
ind_construct	.3561974	.0135427	26.30	0.000	.3296536	.3827412
ind_it	.2528799	.016593	15.24	0.000	.2203576	.2854021
ind_public_admin	.2706075	.0144835	18.68	0.000	.2422198	.2989953
occ_tech_trade	−.2717324	.0063028	−43.11	0.000	−.2840859	−.259379
occ_clerical_admin	−.3251935	.0072136	−45.08	0.000	−.339332	−.3110549
occ_machinery	−.3866047	.0072305	−53.47	0.000	−.4007764	−.3724329
occ_prof	−.0842333	.006372	−13.22	0.000	−.0967224	−.0717441
occ_community_personal_service	−.2905892	.0086884	−33.45	0.000	−.3076185	−.27356
occ_sales	−.3029721	.0093973	−32.24	0.000	−.3213908	−.2845534
occ_labourer	−.4319015	.0079879	−54.07	0.000	−.4475578	−.4162452
_cons	2.997038	.0154401	194.11	0.000	2.966775	3.0273

```
51 .
52 . regress log_wage sector_public experience experience_sq edu_uni edu_diploma children_1 children_2 children_3 children_4_plus health_poor birth_eng birth_nen
   > g married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT shiftwork_yes parttime long_hours casual union_yes ind
```

```
> _wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind_health ind_manufact ind_accomo_food ind_prof_sci_technical ind_arts_rec ind_utiliti
> es ind_logistics ind_admin ind_other_unknown ind_construct ind_it ind_public_admin occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_pe
> rsonal_service occ_sales occ_labourer if sex_female == 1, vce(robust)
```

Linear regression

```
                                    Number of obs   =     66,949
                                    F(52, 66896)    =     486.49
                                    Prob > F        =     0.0000
                                    R-squared       =     0.2775
                                    Root MSE        =     .40423
```

log_wage	Coefficient	Robust std. err.	t	P>|t|	[95% conf. interval]	
sector_public	.0454802	.0044786	10.16	0.000	.0367021	.0542582
experience	.0110248	.0006574	16.77	0.000	.0097364	.0123133
experience_sq	−.0001161	.0000148	−7.87	0.000	−.000145	−.0000871
edu_uni	.2420284	.0050551	47.88	0.000	.2321205	.2519364
edu_diploma_cert	.131596	.0040441	32.54	0.000	.1236695	.1395225
children_1	.0203474	.0045239	4.50	0.000	.0114806	.0292143
children_2	.0315948	.0044772	7.06	0.000	.0228195	.0403702
children_3	.033284	.0066426	5.01	0.000	.0202646	.0463034
children_4_plus	−.0173913	.0128473	−1.35	0.176	−.042572	.0077893
health_poor	−.0218133	.0044374	−4.92	0.000	−.0305106	−.013116
birth_eng	−.004228	.0056767	−0.74	0.456	−.0153544	.0068984
birth_neng	−.0183925	.0054065	−3.40	0.001	−.0289893	−.0077957
married_yes	.0546942	.0047555	11.50	0.000	.0453734	.064015
married_sep	.0010448	.0063172	0.17	0.869	−.0113368	.0134264
urban_no	−.0298457	.0053456	−5.58	0.000	−.0403231	−.0193684
state_VIC	−.0375399	.0043137	−8.70	0.000	−.0459948	−.0290851
state_WA	−.0047406	.0061883	−0.77	0.444	−.0168696	.0073885
state_QLD	−.0486659	.0045072	−10.80	0.000	−.0574999	−.0398318
state_SA	−.0678367	.0062047	−10.93	0.000	−.0799978	−.0556755
state_NT	−.0030109	.0155472	−0.19	0.846	−.0334833	.0274615
state_TAS	−.0555969	.0085825	−6.48	0.000	−.0724187	−.0387752
state_ACT	.0463166	.0103912	4.46	0.000	.0259499	.0666833
shiftwork_yes	.0459855	.0048067	9.57	0.000	.0365643	.0554066
parttime	.0132218	.0038194	3.46	0.001	.0057358	.0207078
long_hours	−.0870639	.004575	−19.03	0.000	−.0960309	−.0780968
casual	−.0276523	.0053242	−5.19	0.000	−.0380878	−.0172168
union_yes	.0273036	.003851	7.09	0.000	.0197556	.0348516
ind_wholesale	.1473222	.0255962	5.76	0.000	.0971537	.1974907
ind_finance	.270399	.0251011	10.77	0.000	.2212009	.319597
ind_education	.1184314	.0243795	4.86	0.000	.0706475	.1662153
ind_mine	.4685691	.0312483	15.00	0.000	.4073224	.5298158
ind_retail	.0283163	.024507	1.16	0.248	−.0197174	.0763501
ind_housing	.1917666	.0273887	7.00	0.000	.1380848	.2454484
ind_health	.1740773	.0242129	7.19	0.000	.12662	.2215346
ind_manufact	.1540853	.0247057	6.24	0.000	.1056621	.2025085
ind_accomo_food	.0409691	.0246883	1.66	0.097	−.00742	.0893582
ind_prof_sci_technical	.2037914	.0247935	8.22	0.000	.1551962	.2523867
ind_arts_rec	.1103157	.0274263	4.02	0.000	.0565601	.1640713
ind_utilities	.3916175	.0300882	13.02	0.000	.3326447	.4505904
ind_logistics	.2001125	.0268421	7.46	0.000	.147502	.2527231
ind_admin	.1304094	.0254857	5.12	0.000	.0804574	.1803614
ind_other_unknown	.136556	.0256368	5.33	0.000	.0863078	.1868041
ind_construct	.2735759	.0277501	9.86	0.000	.2191857	.327966
ind_it	.1767609	.0266283	6.64	0.000	.1245694	.2289524
ind_public_admin	.2884619	.0247484	11.66	0.000	.239955	.3369688
occ_tech_trade	−.3473674	.009495	−36.58	0.000	−.3659777	−.3287572
occ_clerical_admin	−.294158	.0066579	−44.18	0.000	−.3072075	−.2811085
occ_machinery	−.3286001	.0163275	−20.13	0.000	−.3606021	−.2965982
occ_prof	−.0654768	.0066858	−9.79	0.000	−.0785809	−.0523726
occ_community_personal_service	−.3564729	.007503	−47.51	0.000	−.3711787	−.3417671
occ_sales	−.3046032	.0087376	−34.86	0.000	−.321729	−.2874774
occ_labourer	−.4423981	.0102101	−43.33	0.000	−.4624098	−.4223864
_cons	3.007539	.0259178	116.04	0.000	2.95674	3.058337

```
53 .
   end of do-file

54 .
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