

```

name: <unnamed>
log: /Users/arbor/Documents/github repos/hons-project/logs/first regressions/first_regress_v2.smcl
log type: smcl
opened on: 3 Jul 2023, 10:57:09

```

```

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)

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```

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

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log_wage	Coefficient	Robust 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

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

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```

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

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log_wage	Coefficient	Robust 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

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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_ne
    > ng married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT i.wave if sex_male == 1, vce(robust)

```

```

Linear regression              Number of obs   =    64,858
                              F(42, 64815)     =   787.28
                              Prob > F         =    0.0000
                              R-squared        =    0.3492
                              Root MSE     =    .41206

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.0687688	.003846	17.88	0.000	.0612308	.0763069
experience	.0243422	.000634	38.39	0.000	.0230996	.0255849
experience_sq	-.0003908	.0000134	-29.24	0.000	-.000417	-.0003646
edu_uni	.3712015	.0048298	76.86	0.000	.361735	.3806679
edu_diploma_cert	.1367545	.0037437	36.53	0.000	.1294169	.1440921
children_1	.0188854	.0046939	4.02	0.000	.0096853	.0280856
children_2	.0795544	.0048768	16.31	0.000	.0699959	.0891128
children_3	.0785911	.0069443	11.32	0.000	.0649802	.092202
children_4_plus	.0125164	.0127621	0.98	0.327	-.0124973	.0375302
health_poor	-.1059132	.0049833	-21.25	0.000	-.1156804	-.096146
birth_eng	.0404365	.0057848	6.99	0.000	.0290983	.0517748
birth_neng	-.0919581	.0054845	-16.77	0.000	-.1027076	-.0812085
married_yes	.1054438	.0048601	21.70	0.000	.095918	.1149696
married_sep	.0283328	.008062	3.51	0.000	.0125313	.0441343
urban_no	-.0868985	.0053699	-16.18	0.000	-.0974234	-.0763735
state_VIC	-.0275068	.0044147	-6.23	0.000	-.0361597	-.018854
state_WA	.036667	.0069638	5.27	0.000	.0230178	.0503161
state_QLD	-.0456261	.0045448	-10.04	0.000	-.0545339	-.0367183
state_SA	-.1200161	.0063665	-18.85	0.000	-.1324944	-.1075379

state_NT	.0252942	.016247	1.56	0.120	-.0065499	.0571384
state_TAS	-.1359012	.0082959	-16.38	0.000	-.1521612	-.1196412
state_ACT	.1417659	.0103371	13.71	0.000	.1215052	.1620267
wave						
2	.0186441	.0118492	1.57	0.116	-.0045804	.0418686
3	.0774741	.0116523	6.65	0.000	.0546355	.1003126
4	.121719	.0116392	10.46	0.000	.0989063	.1445318
5	.1647544	.0119304	13.81	0.000	.1413709	.1881379
6	.2041673	.0120036	17.01	0.000	.1806402	.2276943
7	.2657771	.0117954	22.53	0.000	.2426582	.288896
8	.3125269	.0116233	26.89	0.000	.2897452	.3353085
9	.3550905	.0114117	31.12	0.000	.3327235	.3774575
10	.3993089	.0114036	35.02	0.000	.3769579	.4216599
11	.4398928	.010837	40.59	0.000	.4186523	.4611334
12	.4720815	.0108779	43.40	0.000	.4507608	.4934022
13	.4969747	.0108172	45.94	0.000	.4757731	.5181764
14	.5172741	.0105605	48.98	0.000	.4965755	.5379728
15	.5180064	.010739	48.24	0.000	.4969578	.5390549
16	.5485325	.0106182	51.66	0.000	.5277207	.5693442
17	.5694803	.0107305	53.07	0.000	.5484484	.5905121
18	.5977052	.0107012	55.85	0.000	.5767308	.6186796
19	.6364076	.0106489	59.76	0.000	.6155358	.6572794
20	.6818127	.0109757	62.12	0.000	.6603002	.7033251
21	.6989441	.0107705	64.89	0.000	.677834	.7200542
_cons	2.472247	.0106291	232.59	0.000	2.451414	2.49308

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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_ne
> ng married_yes married_sep urban_no state_VIC state_WA state_QLD state_SA state_NT state_TAS state_ACT i.wave if sex_female == 1, vce(robust)

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```

Linear regression               Number of obs   =    66,949
                               F(42, 66906)      =    902.51
                               Prob > F          =    0.0000
                               R-squared          =    0.3615
                               Root MSE       =    .37998

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.1445175	.0032451	44.53	0.000	.138157	.1508779
experience	.0199205	.0006108	32.61	0.000	.0187233	.0211178
experience_sq	-.0003281	.0000138	-23.70	0.000	-.0003552	-.000301
edu_uni	.3132267	.0041138	76.14	0.000	.3051638	.3212897
edu_diploma_cert	.1206318	.0036154	33.37	0.000	.1135456	.1277181
children_1	-.0048184	.0041616	-1.16	0.247	-.0129752	.0033384
children_2	.0139353	.0040456	3.44	0.001	.0060059	.0218646
children_3	.0162727	.0061331	2.65	0.008	.0042518	.0282937
children_4_plus	-.0297888	.011964	-2.49	0.013	-.0532382	-.0063395
health_poor	-.060632	.0042176	-14.38	0.000	-.0688984	-.0523656
birth_eng	.0415591	.005402	7.69	0.000	.0309713	.052147
birth_neng	-.0382068	.0051624	-7.40	0.000	-.0483251	-.0280885
married_yes	.0643201	.0043758	14.70	0.000	.0557436	.0728966
married_sep	.019202	.0058064	3.31	0.001	.0078214	.0305826
urban_no	-.0611847	.0050522	-12.11	0.000	-.0710871	-.0512824
state_VIC	-.042638	.0040809	-10.45	0.000	-.0506367	-.0346394
state_WA	-.0086225	.0057888	-1.49	0.136	-.0199684	.0027235
state_QLD	-.0801418	.004213	-19.02	0.000	-.0883993	-.0718844
state_SA	-.077475	.0057573	-13.46	0.000	-.0887592	-.0661908
state_NT	-.0261697	.0153663	-1.70	0.089	-.0562876	.0039482
state_TAS	-.0829187	.0075535	-10.98	0.000	-.0977234	-.0681139
state_ACT	.0795687	.0096703	8.23	0.000	.060615	.0985225
wave						
2	.0264369	.0108949	2.43	0.015	.0050829	.0477909
3	.0629346	.0111956	5.62	0.000	.0409913	.0848779
4	.09756	.0110653	8.82	0.000	.0758719	.1192481
5	.1410656	.0112941	12.49	0.000	.1189291	.1632021
6	.1980197	.0108911	18.18	0.000	.1766733	.2193662
7	.2463087	.0110681	22.25	0.000	.2246152	.2680023
8	.2939805	.0109697	26.80	0.000	.2724798	.3154812
9	.3342167	.0107796	31.00	0.000	.3130886	.3553448
10	.3724653	.0108842	34.22	0.000	.3511323	.3937982
11	.4083927	.0102457	39.86	0.000	.3883112	.4284742
12	.4298241	.0100431	42.80	0.000	.4101397	.4495084
13	.4576758	.010151	45.09	0.000	.4377799	.4775717
14	.4815183	.0100194	48.06	0.000	.4618803	.5011564
15	.504643	.0100446	50.24	0.000	.4849557	.5243304
16	.5220712	.0101211	51.58	0.000	.5022339	.5419085
17	.5522936	.0100523	54.94	0.000	.5325911	.5719962
18	.5921325	.0099989	59.22	0.000	.5725346	.6117304
19	.6249983	.0099215	62.99	0.000	.6055522	.6444445
20	.6754991	.0100963	66.91	0.000	.6557104	.6952878
21	.6976206	.0101127	68.98	0.000	.6777998	.7174414
_cons	2.455923	.010291	238.65	0.000	2.435753	2.476093

```

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_ne
> ng 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 i.wave if s
> ex_male == 1, vce(robust)

```

```

Linear regression               Number of obs   =    64,858
                               F(46, 64811)      =    730.01
                               Prob > F         =    0.0000
                               R-squared        =    0.3547
                               Root MSE     =    .41035

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.0623409	.0039407	15.82	0.000	.0546171	.0700646
experience	.0230393	.0006339	36.35	0.000	.0217969	.0242816
experience_sq	-.0003634	.0000133	-27.24	0.000	-.0003895	-.0003372
edu_uni	.3709887	.0049254	75.32	0.000	.3613349	.3806425
edu_diploma_cert	.1313105	.0037227	35.27	0.000	.1240141	.1386069
children_1	.0185998	.0046734	3.98	0.000	.0094399	.0277598
children_2	.0778199	.0048574	16.02	0.000	.0682993	.0873405
children_3	.0757355	.0069129	10.96	0.000	.0621862	.0892847
children_4_plus	.0193583	.0126455	1.53	0.126	-.0054269	.0441434
health_poor	-.0980064	.0049249	-19.90	0.000	-.1076591	-.0883537
birth_eng	.0410978	.0057872	7.10	0.000	.0297549	.0524406
birth_neng	-.089124	.0055076	-16.18	0.000	-.0999189	-.0783291
married_yes	.1002557	.0048324	20.75	0.000	.0907842	.1097272
married_sep	.0285942	.0080253	3.56	0.000	.0128646	.0443238
urban_no	-.0838462	.0053246	-15.75	0.000	-.0942824	-.07341
state_VIC	-.0275007	.0044151	-6.23	0.000	-.0361543	-.0188471
state_WA	.0375204	.0069046	5.43	0.000	.0239874	.0510535
state_QLD	-.0451681	.0045202	-9.99	0.000	-.0540277	-.0363086
state_SA	-.1155854	.0063277	-18.27	0.000	-.1279877	-.1031831
state_NT	.0228456	.0162808	1.40	0.161	-.0090648	.0547561
state_TAS	-.1317518	.0082316	-16.01	0.000	-.1478857	-.1156178
state_ACT	.1481154	.0105002	14.11	0.000	.127535	.1686958
shiftwork_yes	.0583354	.0044693	13.05	0.000	.0495756	.0670953
parttime	-.0639914	.0075163	-8.51	0.000	-.0787233	-.0492596
long_hours	.0110501	.0033461	3.30	0.001	.0044918	.0176084
casual	-.0544998	.0060672	-8.98	0.000	-.0663915	-.0426081
wave						
2	.0194321	.0117751	1.65	0.099	-.0036471	.0425113
3	.077817	.0115909	6.71	0.000	.0550988	.1005352
4	.1226376	.0115824	10.59	0.000	.0999362	.1453391
5	.1655837	.0118633	13.96	0.000	.1423315	.1888359
6	.2054749	.0119219	17.24	0.000	.182108	.2288417
7	.2673755	.01173	22.79	0.000	.2443846	.2903663
8	.3142705	.0115663	27.17	0.000	.2916005	.3369404
9	.3567812	.0113629	31.40	0.000	.33451	.3790525
10	.4009269	.0113547	35.31	0.000	.3786717	.4231822
11	.4418481	.0107713	41.02	0.000	.4207363	.4629599
12	.4751923	.0108166	43.93	0.000	.4539919	.4963928
13	.4997271	.0107465	46.50	0.000	.4786639	.5207902
14	.5214328	.0104963	49.68	0.000	.5008601	.5420055
15	.521922	.0106712	48.91	0.000	.5010064	.5428376
16	.5533669	.0105493	52.46	0.000	.5326902	.5740436
17	.573557	.0106699	53.75	0.000	.5526441	.59447
18	.6015376	.0106528	56.47	0.000	.5806581	.6224171
19	.6403038	.0105979	60.42	0.000	.6195319	.6610757
20	.6871843	.0109378	62.83	0.000	.6657461	.7086224
21	.7032338	.0107126	65.65	0.000	.6822371	.7242306
_cons	2.484801	.0109074	227.81	0.000	2.463423	2.50618

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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_ne
> ng 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 i.wave if s
> ex_female == 1, vce(robust)

```

```

Linear regression               Number of obs   =    66,949
                               F(46, 66902)      =    835.54
                               Prob > F         =    0.0000
                               R-squared        =    0.3653
                               Root MSE     =    .37888

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.1351425	.0032923	41.05	0.000	.1286897	.1415954
experience	.0193693	.0006098	31.76	0.000	.0181741	.0205646
experience_sq	-.0003181	.0000138	-23.06	0.000	-.0003451	-.0002911
edu_uni	.3068791	.0041477	73.99	0.000	.2987495	.3150086
edu_diploma_cert	.1158078	.0036247	31.95	0.000	.1087033	.1229122
children_1	.0018294	.0042364	0.43	0.666	-.006474	.0101328
children_2	.0234209	.0041702	5.62	0.000	.0152473	.0315944
children_3	.0281137	.0062193	4.52	0.000	.015924	.0403035

children_4_plus	-.0157964	.0119275	-1.32	0.185	-.0391744	.0075815
health_poor	-.0560755	.0041879	-13.39	0.000	-.0642838	-.0478673
birth_eng	.0417697	.0054018	7.73	0.000	.0311822	.0523571
birth_neng	-.0388131	.0051616	-7.52	0.000	-.0489298	-.0286965
married_yes	.0654488	.0043923	14.90	0.000	.0568398	.0740578
married_sep	.0179356	.0057816	3.10	0.002	.0066037	.0292674
urban_no	-.055673	.0050454	-11.03	0.000	-.0655619	-.0457841
state_VIC	-.0432443	.0040881	-10.58	0.000	-.0512569	-.0352316
state_WA	-.0076982	.0057656	-1.34	0.182	-.0189988	.0036023
state_QLD	-.0796645	.0042075	-18.93	0.000	-.0879111	-.0714178
state_SA	-.074748	.0057429	-13.02	0.000	-.0860041	-.063492
state_NT	-.0295594	.0152724	-1.94	0.053	-.0594934	.0003746
state_TAS	-.0817065	.0075434	-10.83	0.000	-.0964916	-.0669213
state_ACT	.0800223	.0096741	8.27	0.000	.061061	.0989835
shiftwork_yes	.0337775	.0040674	8.30	0.000	.0258053	.0417496
parttime	-.020063	.0035314	-5.68	0.000	-.0269846	-.0131414
long_hours	-.0061133	.0040611	-1.51	0.132	-.0140731	.0018465
casual	-.0628005	.0048951	-12.83	0.000	-.072395	-.0532061
wave						
2	.0275401	.010867	2.53	0.011	.0062408	.0488394
3	.0636557	.0111735	5.70	0.000	.0417556	.0855558
4	.0984149	.0110422	8.91	0.000	.0767722	.1200576
5	.1414355	.0112585	12.56	0.000	.119369	.1635021
6	.1981017	.0108729	18.22	0.000	.1767908	.2194126
7	.2457817	.0110429	22.26	0.000	.2241376	.2674258
8	.2931576	.0109397	26.80	0.000	.2717158	.3145994
9	.3332027	.0107516	30.99	0.000	.3121296	.3542759
10	.3711874	.0108692	34.15	0.000	.3498838	.392491
11	.4075174	.0102214	39.87	0.000	.3874834	.4275514
12	.4279276	.0100298	42.67	0.000	.4082691	.4475861
13	.4552139	.0101276	44.95	0.000	.4353639	.4750639
14	.4801019	.0099989	48.02	0.000	.460504	.4996998
15	.5033211	.0100207	50.23	0.000	.4836806	.5229616
16	.5209017	.0100912	51.62	0.000	.501123	.5406804
17	.5509398	.0100228	54.97	0.000	.5312951	.5705845
18	.5908936	.0099795	59.21	0.000	.5713339	.6104533
19	.6230711	.0098898	63.00	0.000	.6036871	.6424552
20	.6732216	.01008	66.79	0.000	.6534647	.6929784
21	.6940025	.0100918	68.77	0.000	.6742225	.7137824
_cons	2.478635	.0104275	237.70	0.000	2.458197	2.499073

```

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_ne
> ng 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 i
> .wave if sex_male == 1, vce(robust)

```

```

Linear regression              Number of obs   =    64,858
                              F(47, 64810)       =    723.20
                              Prob > F          =    0.0000
                              R-squared         =    0.3575
                              Root MSE      =    .40946

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.0424902	.0041538	10.23	0.000	.0343486	.0506317
experience	.0226704	.0006336	35.78	0.000	.0214284	.0239123
experience_sq	-.0003618	.0000133	-27.18	0.000	-.0003879	-.0003357
edu_uni	.3717832	.0049211	75.55	0.000	.3621378	.3814286
edu_diploma_cert	.1293303	.0037047	34.91	0.000	.1220691	.1365915
children_1	.0175172	.0046649	3.76	0.000	.008374	.0266605
children_2	.0762659	.0048467	15.74	0.000	.0667663	.0857656
children_3	.0735751	.0068958	10.67	0.000	.0600593	.0870909
children_4_plus	.0183288	.0126562	1.45	0.148	-.0064775	.043135
health_poor	-.0984348	.0049029	-20.08	0.000	-.1080444	-.0888252
birth_eng	.0431133	.0057895	7.45	0.000	.0317659	.0544607
birth_neng	-.0877205	.0055167	-15.90	0.000	-.0985332	-.0769077
married_yes	.1010242	.0048135	20.99	0.000	.0915898	.1104586
married_sep	.0292757	.0079931	3.66	0.000	.0136093	.0449422
urban_no	-.0825655	.0052909	-15.61	0.000	-.0929357	-.0721953
state_VIC	-.0283219	.0044086	-6.42	0.000	-.0369626	-.0196811
state_WA	.0401487	.0068867	5.83	0.000	.0266508	.0536466
state_QLD	-.0435116	.0045095	-9.65	0.000	-.0523502	-.034673
state_SA	-.1147646	.0063064	-18.20	0.000	-.1271251	-.102404
state_NT	.0306204	.0164694	1.86	0.063	-.0016597	.0629005
state_TAS	-.1337746	.0082279	-16.26	0.000	-.1499014	-.1176479
state_ACT	.1555774	.0105648	14.73	0.000	.1348704	.1762845
shiftwork_yes	.0449708	.0045014	9.99	0.000	.0361481	.0537934
parttime	-.0601996	.0074831	-8.04	0.000	-.0748665	-.0455327
long_hours	.0113172	.0033397	3.39	0.001	.0047713	.0178631
casual	-.0462424	.0060767	-7.61	0.000	-.0581527	-.0343321
union_yes	.0662035	.0038829	17.05	0.000	.0585929	.073814
wave						
2	.0203884	.0117438	1.74	0.083	-.0026294	.0434063
3	.0788262	.011552	6.82	0.000	.0561843	.101468

4	.1239243	.01154	10.74	0.000	.1013059	.1465427
5	.1671693	.0118345	14.13	0.000	.1439737	.1903649
6	.2074101	.0118994	17.43	0.000	.1840872	.230733
7	.2705795	.0117036	23.12	0.000	.2476405	.2935186
8	.3184279	.0115412	27.59	0.000	.2958071	.3410488
9	.3594361	.0113404	31.70	0.000	.337209	.3816633
10	.4046202	.0113316	35.71	0.000	.3824103	.42683
11	.4458093	.0107548	41.45	0.000	.4247299	.4668886
12	.4795732	.0108023	44.40	0.000	.4584007	.5007456
13	.5042099	.01073	46.99	0.000	.483179	.5252408
14	.5268073	.0104765	50.28	0.000	.5062734	.5473413
15	.5277892	.0106485	49.56	0.000	.5069181	.5486602
16	.5595432	.0105257	53.16	0.000	.5389128	.5801736
17	.5797467	.0106484	54.44	0.000	.5588759	.6006176
18	.6083283	.0106384	57.18	0.000	.5874771	.6291795
19	.6476987	.0105825	61.20	0.000	.6269569	.6684405
20	.6946451	.0109228	63.60	0.000	.6732364	.7160537
21	.7106225	.0107023	66.40	0.000	.689646	.7315989
_cons	2.474369	.010897	227.07	0.000	2.453011	2.495727

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_ne
 > ng 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 i
 > .wave if sex_female == 1, vce(robust)

Linear regression	Number of obs	=	66,949
	F(47, 66901)	=	823.93
	Prob > F	=	0.0000
	R-squared	=	0.3676
	Root MSE	=	.37817

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.1194446	.0034457	34.66	0.000	.1126911	.1261982
experience	.0189438	.0006097	31.07	0.000	.0177489	.0201387
experience_sq	-.000315	.0000138	-22.88	0.000	-.0003419	-.000288
edu_uni	.3013278	.0041581	72.47	0.000	.293178	.3094776
edu_diploma_cert	.1117385	.0036176	30.89	0.000	.104648	.1188289
children_1	.001494	.0042292	0.35	0.724	-.0067952	.0097832
children_2	.0226865	.0041625	5.45	0.000	.014528	.0308451
children_3	.0263029	.0062161	4.23	0.000	.0141194	.0384864
children_4_plus	-.0172517	.0118885	-1.45	0.147	-.0405531	.0060497
health_poor	-.0580126	.0041769	-13.89	0.000	-.0661993	-.0498258
birth_eng	.0423146	.0053921	7.85	0.000	.0317461	.0528831
birth_neng	-.0377429	.0051499	-7.33	0.000	-.0478366	-.0276492
married_yes	.065947	.0043845	15.04	0.000	.0573533	.0745407
married_sep	.0194992	.0057723	3.38	0.001	.0081855	.0308129
urban_no	-.0551367	.0050233	-10.98	0.000	-.0649824	-.045291
state_VIC	-.0408165	.0040876	-9.99	0.000	-.0488281	-.0328048
state_WA	-.00398	.0057654	-0.69	0.490	-.0152801	.0073202
state_QLD	-.0782247	.0041988	-18.63	0.000	-.0864543	-.0699951
state_SA	-.072032	.0057441	-12.54	0.000	-.0832904	-.0607736
state_NT	-.023007	.0152316	-1.51	0.131	-.0528609	.0068469
state_TAS	-.0850456	.0075001	-11.34	0.000	-.0997458	-.0703454
state_ACT	.0900593	.0097281	9.26	0.000	.0709923	.1091263
shiftwork_yes	.0238579	.0041077	5.81	0.000	.0158068	.031909
parttime	-.0210601	.0035222	-5.98	0.000	-.0279636	-.0141565
long_hours	-.0079169	.0040738	-1.94	0.052	-.0159016	.0000678
casual	-.0532904	.0049086	-10.86	0.000	-.0629113	-.0436695
union_yes	.0562553	.00344	16.35	0.000	.0495129	.0629977
wave						
2	.0277609	.0108562	2.56	0.011	.0064826	.0490391
3	.0642806	.0111558	5.76	0.000	.0424152	.0861459
4	.0988604	.0110235	8.97	0.000	.0772544	.1204664
5	.1425585	.0112413	12.68	0.000	.1205255	.1645915
6	.1995584	.0108579	18.38	0.000	.1782769	.2208398
7	.2486397	.0110277	22.55	0.000	.2270254	.2702539
8	.2960184	.0109305	27.08	0.000	.2745946	.3174423
9	.3347346	.0107376	31.17	0.000	.313689	.3557802
10	.3728732	.010853	34.36	0.000	.3516013	.3941451
11	.4097961	.0102107	40.13	0.000	.3897831	.4298091
12	.4302333	.0100205	42.94	0.000	.4105932	.4498735
13	.4573599	.0101116	45.23	0.000	.4375411	.4771786
14	.4824337	.009988	48.30	0.000	.4628573	.5020101
15	.5060763	.0100055	50.58	0.000	.4864656	.5256871
16	.5243772	.010082	52.01	0.000	.5046165	.5441378
17	.5545739	.0100109	55.40	0.000	.5349525	.5741953
18	.5951087	.0099733	59.67	0.000	.575561	.6146563
19	.6271471	.009879	63.48	0.000	.6077843	.6465098
20	.6768312	.0100644	67.25	0.000	.657105	.6965573
21	.6987367	.010076	69.35	0.000	.6789878	.7184856
_cons	2.473788	.0104128	237.57	0.000	2.453379	2.494197

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_ne
> ng 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 f
> irm_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown i.wave if sex_male == 1, vce(robust)

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Linear regression              Number of obs   =    64,858
                              F(52, 64805)      =    773.72
                              Prob > F          =    0.0000
                              R-squared          =    0.3934
                              Root MSE       =    .39787

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	-.005846	.0041541	-1.41	0.159	-.013988	.0022959
experience	.0214956	.0006204	34.65	0.000	.0202796	.0227115
experience_sq	-.0003375	.0000131	-25.85	0.000	-.0003631	-.0003119
edu_uni	.341893	.0048299	70.79	0.000	.3324265	.3513596
edu_diploma_cert	.1246181	.0036222	34.40	0.000	.1175185	.1317177
children_1	.0165537	.0045211	3.66	0.000	.0076923	.0254152
children_2	.0753203	.004698	16.03	0.000	.0661122	.0845284
children_3	.0728736	.0066771	10.91	0.000	.0597864	.0859608
children_4_plus	.0130166	.0121804	1.07	0.285	-.0108569	.0368901
health_poor	-.0955524	.0048235	-19.81	0.000	-.1050064	-.0860983
birth_eng	.0316263	.0055649	5.68	0.000	.0207192	.0425335
birth_neng	-.1020605	.0053942	-18.92	0.000	-.1126332	-.0914878
married_yes	.101686	.0047026	21.62	0.000	.0924689	.1109032
married_sep	.0377589	.0078549	4.81	0.000	.0223633	.0531544
urban_no	-.0585341	.0051235	-11.42	0.000	-.0685762	-.0484921
state_VIC	-.0316946	.004263	-7.43	0.000	-.0400501	-.0233392
state_WA	.0367003	.0065934	5.57	0.000	.0237772	.0496234
state_QLD	-.0352299	.0043758	-8.05	0.000	-.0438065	-.0266534
state_SA	-.1144621	.0062442	-18.33	0.000	-.1267007	-.1022234
state_NT	.0407986	.0158955	2.57	0.010	.0096434	.0719537
state_TAS	-.1226308	.008006	-15.32	0.000	-.1383225	-.1069391
state_ACT	.1220573	.0104409	11.69	0.000	.1015931	.1425216
shiftwork_yes	.0156123	.0044136	3.54	0.000	.0069617	.024263
parttime	-.0405035	.0074173	-5.46	0.000	-.0550415	-.0259655
long_hours	.0072471	.0032313	2.24	0.025	.0009137	.0135805
casual	-.0167522	.0059297	-2.83	0.005	-.0283745	-.0051299
union_yes	.0451813	.0038396	11.77	0.000	.0376556	.0527069
firm_size_20_99	.0867531	.0039859	21.77	0.000	.0789408	.0945654
firm_size_100_199	.1428998	.005623	25.41	0.000	.1318787	.153921
firm_size_200_499	.2345543	.0056873	41.24	0.000	.2234071	.2457014
firm_size_500	.2941461	.0054153	54.32	0.000	.2835321	.3047602
firm_size_unknown	-.0017888	.0291073	-0.06	0.951	-.0588392	.0552615
wave						
2	.0142699	.0115138	1.24	0.215	-.0082972	.036837
3	.0744998	.0112977	6.59	0.000	.0523564	.0966432
4	.1171425	.01128	10.38	0.000	.0950336	.1392513
5	.1574323	.0115799	13.60	0.000	.1347357	.1801289
6	.197427	.0116434	16.96	0.000	.174606	.2202481
7	.2561331	.0114354	22.40	0.000	.2337197	.2785465
8	.3054587	.0112711	27.10	0.000	.2833674	.32755
9	.3464421	.0110955	31.22	0.000	.3246949	.3681893
10	.3896564	.0110239	35.35	0.000	.3680496	.4112632
11	.4290624	.0104996	40.86	0.000	.4084832	.4496415
12	.4634753	.0105201	44.06	0.000	.442856	.4840946
13	.4885763	.0104704	46.66	0.000	.4680542	.5090983
14	.5136527	.0102171	50.27	0.000	.4936272	.5336782
15	.5135796	.0104151	49.31	0.000	.493166	.5339932
16	.545223	.0102815	53.03	0.000	.5250714	.5653747
17	.5666574	.0104009	54.48	0.000	.5462716	.5870431
18	.5918581	.0104096	56.86	0.000	.5714553	.6122609
19	.6286659	.0103368	60.82	0.000	.6084058	.648926
20	.6778682	.0107104	63.29	0.000	.6568757	.6988606
21	.6957805	.0104884	66.34	0.000	.6752232	.7163378
_cons	2.415128	.0107769	224.10	0.000	2.394006	2.436251

```

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_ne
> ng 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 f
> irm_size_20_99 firm_size_100_199 firm_size_200_499 firm_size_500 firm_size_unknown i.wave if sex_female == 1, vce(robust)

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Linear regression              Number of obs   =    66,949
                              F(52, 66896)      =    798.13
                              Prob > F          =    0.0000
                              R-squared          =    0.3831
                              Root MSE       =    .37353

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.0823005	.0035446	23.22	0.000	.0753532	.0892478
experience	.0181797	.0006039	30.10	0.000	.0169961	.0193633
experience_sq	-.0002995	.0000136	-21.96	0.000	-.0003262	-.0002727

edu_uni	.2878392	.0041198	69.87	0.000	.2797643	.295914
edu_diploma_cert	.1138973	.0035844	31.78	0.000	.1068719	.1209227
children_1	.0021393	.0041826	0.51	0.609	-.0060587	.0103372
children_2	.0234962	.004109	5.72	0.000	.0154425	.03155
children_3	.0286258	.0061234	4.67	0.000	.016624	.0406275
children_4_plus	-.0078969	.0118477	-0.67	0.505	-.0311183	.0153245
health_poor	-.0572019	.0041466	-13.79	0.000	-.0653293	-.0490745
birth_eng	.0314055	.0053466	5.87	0.000	.0209263	.0418848
birth_neng	-.0473392	.0050777	-9.32	0.000	-.0572915	-.0373869
married_yes	.0678243	.0043536	15.58	0.000	.0592914	.0763573
married_sep	.02349	.0057281	4.10	0.000	.0122629	.0347171
urban_no	-.0396273	.0050091	-7.91	0.000	-.0494451	-.0298094
state_VIC	-.0465796	.0040218	-11.58	0.000	-.0544623	-.0386968
state_WA	-.0068967	.0056728	-1.22	0.224	-.0180153	.004222
state_QLD	-.0753054	.0041522	-18.14	0.000	-.0834438	-.0671671
state_SA	-.0730815	.005715	-12.79	0.000	-.0842829	-.0618801
state_NT	-.0092881	.0151147	-0.61	0.539	-.038913	.0203367
state_TAS	-.0849701	.0074416	-11.42	0.000	-.0995556	-.0703846
state_ACT	.0635856	.0096312	6.60	0.000	.0447084	.0824627
shiftwork_yes	-.000586	.0041447	-0.14	0.888	-.0087096	.0075376
parttime	-.0110583	.0034936	-3.17	0.002	-.0179058	-.0042108
long_hours	-.0103019	.0039823	-2.59	0.010	-.0181073	-.0024965
casual	-.0353581	.0048933	-7.23	0.000	-.044949	-.0257673
union_yes	.0523229	.0034514	15.16	0.000	.0455581	.0590877
firm_size_20_99	.0417721	.0037433	11.16	0.000	.0344353	.0491089
firm_size_100_199	.0615199	.0051946	11.84	0.000	.0513385	.0717012
firm_size_200_499	.1121443	.0055787	20.10	0.000	.1012101	.1230785
firm_size_500	.1935452	.0050631	38.23	0.000	.1836216	.2034689
firm_size_unknown	-.0132212	.0195745	-0.68	0.499	-.0515872	.0251447
wave						
2	.0240583	.0107927	2.23	0.026	.0029046	.0452121
3	.0607227	.0111116	5.46	0.000	.038944	.0825014
4	.0936642	.0109744	8.53	0.000	.0721545	.115174
5	.1375461	.0111793	12.30	0.000	.1156347	.1594575
6	.1903974	.0108066	17.62	0.000	.1692165	.2115783
7	.2384545	.0109689	21.74	0.000	.2169554	.2599535
8	.2862166	.0108626	26.35	0.000	.2649259	.3075073
9	.3240779	.0106467	30.44	0.000	.3032104	.3449454
10	.3631675	.0107643	33.74	0.000	.3420693	.3842656
11	.3983526	.0101329	39.31	0.000	.3784921	.4182131
12	.4209707	.0099307	42.39	0.000	.4015065	.4404348
13	.4461362	.0100214	44.52	0.000	.4264943	.4657781
14	.4705855	.0098969	47.55	0.000	.4511876	.4899835
15	.4944681	.0099154	49.87	0.000	.4750339	.5139023
16	.511838	.0099946	51.21	0.000	.4922485	.5314275
17	.5422772	.0099202	54.66	0.000	.5228337	.5617208
18	.5820031	.009898	58.80	0.000	.562603	.6014033
19	.6135727	.0098099	62.55	0.000	.5943453	.6328001
20	.6655452	.0099979	66.57	0.000	.6459494	.685141
21	.6866818	.0100014	68.66	0.000	.667079	.7062847
_cons	2.444759	.0104449	234.06	0.000	2.424287	2.465231

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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_accommodate ind_prof_sci technical ind_arts_r
> ec 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_ne
> ng 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 f
> irm_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_accommodate ind_prof_sci technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it in
> d_public_admin i.wave if sex_male == 1, vce(robust)

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```

Linear regression               Number of obs   =    64,858
                               F(70, 64787)      =    724.10
                               Prob > F          =    0.0000
                               R-squared          =    0.4412
                               Root MSE       =    .38192

```

log_wage	Robust					
	Coefficient	std. err.	t	P> t	[95% conf. interval]	
sector_public	.0127688	.0055865	2.29	0.022	.0018193	.0237183
experience	.0217439	.0006029	36.07	0.000	.0205623	.0229256
experience_sq	-.0003403	.0000126	-26.93	0.000	-.0003651	-.0003155
edu_uni	.3090784	.0049596	62.32	0.000	.2993575	.3187993
edu_diploma_cert	.1106484	.0035386	31.27	0.000	.1037127	.117584
children_1	.017868	.0043004	4.15	0.000	.0094392	.0262969
children_2	.0696823	.0045129	15.44	0.000	.060837	.0785276
children_3	.072682	.0063453	11.45	0.000	.0602452	.0851187
children_4_plus	.0117279	.0114	1.03	0.304	-.0106162	.034072
health_poor	-.0876155	.0046478	-18.85	0.000	-.0967252	-.0785059
birth_eng	.0309916	.0052912	5.86	0.000	.0206209	.0413622
birth_neng	-.086268	.0052411	-16.46	0.000	-.0965405	-.0759955
married_yes	.0904409	.0045557	19.85	0.000	.0815118	.0993701
married_sep	.0365439	.0075731	4.83	0.000	.0217006	.0513872
urban_no	-.0477233	.0050053	-9.53	0.000	-.0575337	-.0379128
state_VIC	-.0193589	.0041441	-4.67	0.000	-.0274814	-.0112364

state_WA	.018027	.0063309	2.85	0.004	.0056185	.0304355
state_QLD	-.0304882	.0041741	-7.30	0.000	-.0386694	-.022307
state_SA	-.0965777	.0060967	-15.84	0.000	-.1085273	-.0846281
state_NT	.0432459	.015088	2.87	0.004	.0136735	.0728183
state_TAS	-.1081769	.0080769	-13.39	0.000	-.1240076	-.0923463
state_ACT	.1157641	.0100026	11.57	0.000	.096159	.1353692
shiftwork_yes	.0394727	.0044732	8.82	0.000	.0307052	.0482402
parttime	.0029832	.0073818	0.40	0.686	-.0114852	.0174515
long_hours	-.0056235	.0031198	-1.80	0.071	-.0117383	.0004914
casual	-.0190031	.0058252	-3.26	0.001	-.0304204	-.0075858
union_yes	.0383783	.0037281	10.29	0.000	.0310711	.0456854
firm_size_20_99	.0809839	.0038617	20.97	0.000	.0734149	.0885528
firm_size_100_199	.132206	.0054259	24.37	0.000	.1215712	.1428409
firm_size_200_499	.1866315	.0055502	33.63	0.000	.1757532	.1975098
firm_size_500	.2420898	.0054232	44.64	0.000	.2314602	.2527193
firm_size_unknown	-.0258485	.0288631	-0.90	0.370	-.0824201	.0307232
ind_wholesale	.1452206	.0123154	11.79	0.000	.1210823	.1693589
ind_finance	.3978699	.0137635	28.91	0.000	.3708934	.4248465
ind_education	.1197738	.0125369	9.55	0.000	.0952015	.1443461
ind_mine	.4899341	.0132478	36.98	0.000	.4639685	.5158998
ind_retail	.0007293	.0115555	0.06	0.950	-.0219196	.0233781
ind_housing	.1193982	.019982	5.98	0.000	.0802335	.158563
ind_health	.0879116	.0132725	6.62	0.000	.0618975	.1139258
ind_manufact	.1336802	.0110348	12.11	0.000	.112052	.1553085
ind_accommodation	-.0034421	.0133141	-0.26	0.796	-.0295377	.0226536
ind_prof_sci_technical	.3306087	.0121264	27.26	0.000	.306841	.3543763
ind_arts_rec	.0288257	.0163671	1.76	0.078	-.0032538	.0609053
ind_utilities	.2995188	.0147735	20.27	0.000	.2705627	.3284748
ind_logistics	.1302196	.0119814	10.87	0.000	.1067359	.1537032
ind_admin	.0623871	.0147242	4.24	0.000	.0335276	.0912466
ind_other_unknown	.0962186	.0129577	7.43	0.000	.0708215	.1216157
ind_construct	.2418053	.0112753	21.45	0.000	.2197057	.2639049
ind_it	.268785	.014514	18.52	0.000	.2403375	.2972325
ind_public_admin	.2006214	.0120633	16.63	0.000	.1769773	.2242655
wave						
2	.0212837	.0110979	1.92	0.055	-.0004682	.0430357
3	.0806204	.0108443	7.43	0.000	.0593656	.1018753
4	.120424	.010817	11.13	0.000	.0992226	.1416254
5	.1643725	.0111325	14.77	0.000	.1425529	.1861921
6	.2041413	.0112294	18.18	0.000	.1821317	.2261509
7	.256523	.0110234	23.27	0.000	.2349171	.278129
8	.3040287	.0108439	28.04	0.000	.2827746	.3252828
9	.3488849	.0106387	32.79	0.000	.3280331	.3697367
10	.3893212	.0106133	36.68	0.000	.3685191	.4101233
11	.4273018	.0100713	42.43	0.000	.407562	.4470415
12	.4598873	.0100835	45.61	0.000	.4401237	.4796509
13	.4857246	.0100321	48.42	0.000	.4660618	.5053875
14	.5130812	.0098004	52.35	0.000	.4938725	.5322899
15	.5145478	.0100483	51.21	0.000	.4948532	.5342424
16	.5447312	.0099016	55.01	0.000	.525324	.5641384
17	.5701168	.0100119	56.94	0.000	.5504935	.5897401
18	.5939599	.0100507	59.10	0.000	.5742606	.6136593
19	.6291046	.0099818	63.03	0.000	.6095402	.648669
20	.6783359	.0103469	65.56	0.000	.6580559	.6986159
21	.6916509	.0101653	68.04	0.000	.6717269	.7115749
_cons	2.264535	.0144424	156.80	0.000	2.236228	2.292843

```

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_ne
> ng 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 f
> irm_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_accommodation ind_prof_sci_technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it in
> d_public_admin i.wave if sex==1, vce(robust)

```

```

Linear regression               Number of obs   =    66,949
                               F(70, 66878)       =    657.30
                               Prob > F           =    0.0000
                               R-squared           =    0.4045
                               Root MSE        =    .36705

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.0529103	.0042187	12.54	0.000	.0446417	.061179
experience	.0170151	.0005993	28.39	0.000	.0158403	.0181898
experience_sq	-.0002777	.0000135	-20.52	0.000	-.0003043	-.0002512
edu_uni	.2624025	.0042269	62.08	0.000	.2541177	.2706873
edu_diploma_cert	.0986494	.0036219	27.24	0.000	.0915505	.1057483
children_1	.005438	.004119	1.32	0.187	-.0026352	.0135112
children_2	.0214302	.0040474	5.29	0.000	.0134972	.0293631
children_3	.0284416	.0060408	4.71	0.000	.0166016	.0402815
children_4_plus	-.0053517	.0116983	-0.46	0.647	-.0282804	.017577
health_poor	-.055502	.0040942	-13.56	0.000	-.0635267	-.0474772
birth_eng	.0297085	.0052446	5.66	0.000	.0194292	.0399878
birth_neng	-.0457883	.0050091	-9.14	0.000	-.0556061	-.0359706
married_yes	.0645746	.0043163	14.96	0.000	.0561146	.0730347
married_sep	.0233042	.0056821	4.10	0.000	.0121672	.0344411

urban_no	-.0318768	.0049162	-6.48	0.000	-.0415126	-.0222411
state_VIC	-.0455788	.00395	-11.54	0.000	-.0533209	-.0378368
state_WA	-.0111211	.0055341	-2.01	0.044	-.0219679	-.0002743
state_QLD	-.0723824	.0040932	-17.68	0.000	-.0804051	-.0643597
state_SA	-.0775984	.0056651	-13.70	0.000	-.0887021	-.0664948
state_NT	-.005751	.014843	-0.39	0.698	-.0348434	.0233414
state_TAS	-.0822978	.0072763	-11.31	0.000	-.0965593	-.0680363
state_ACT	.0446254	.0095388	4.68	0.000	.0259293	.0633214
shiftwork_yes	.0266275	.004326	6.16	0.000	.0181485	.0351065
parttime	.0023042	.0034705	0.66	0.507	-.0044979	.0091063
long_hours	-.0109461	.0039503	-2.77	0.006	-.0186888	-.0032035
casual	-.0109419	.004972	-2.20	0.028	-.020687	-.0011968
union_yes	.0644548	.0034761	18.54	0.000	.0576418	.0712679
firm_size_20_99	.0399138	.0037333	10.69	0.000	.0325966	.0472311
firm_size_100_199	.0570818	.0051259	11.14	0.000	.0470351	.0671284
firm_size_200_499	.0926701	.0055206	16.79	0.000	.0818497	.1034904
firm_size_500	.1735904	.0050858	34.13	0.000	.1636223	.1835585
firm_size_unknown	-.0322345	.0194152	-1.66	0.097	-.0702884	.0058193
ind_wholesale	.2053392	.0235832	8.71	0.000	.1591162	.2515621
ind_finance	.3088078	.0230156	13.42	0.000	.2636973	.3539182
ind_education	.2136703	.0224816	9.50	0.000	.1696064	.2577342
ind_mine	.4008036	.0282089	14.21	0.000	.3455143	.456093
ind_retail	.0658811	.0222965	2.95	0.003	.02218	.1095823
ind_housing	.2202527	.0251648	8.75	0.000	.1709298	.2695756
ind_health	.1896869	.0222644	8.52	0.000	.1460487	.2333252
ind_manufact	.1663249	.0229948	7.23	0.000	.1212552	.2113946
ind_accommodation	.0489326	.0228183	2.14	0.032	.0042087	.0936565
ind_prof_sci_technical	.2961938	.0228877	12.94	0.000	.251334	.3410537
ind_arts_rec	.1379681	.0251885	5.48	0.000	.0885987	.1873375
ind_utilities	.3593713	.0268155	13.40	0.000	.3068128	.4119297
ind_logistics	.1789996	.0243869	7.34	0.000	.1312013	.2267978
ind_admin	.165199	.023857	6.92	0.000	.1184392	.2119588
ind_other_unknown	.1721639	.0236504	7.28	0.000	.1258092	.2185187
ind_construct	.2754331	.0253782	10.85	0.000	.2256918	.3251743
ind_it	.2783028	.0245183	11.35	0.000	.230247	.3263587
ind_public_admin	.302077	.0227217	13.29	0.000	.2575426	.3466115
wave						
2	.0257244	.0106767	2.41	0.016	.0047981	.0466507
3	.0637716	.0109853	5.81	0.000	.0422404	.0853029
4	.0964821	.0108415	8.90	0.000	.0752328	.1177314
5	.1388567	.01106	12.55	0.000	.1171791	.1605342
6	.1943803	.0106499	18.25	0.000	.1735065	.2152541
7	.241911	.0108234	22.35	0.000	.2206971	.2631249
8	.2877366	.0107187	26.84	0.000	.2667279	.3087453
9	.3269653	.0104623	31.25	0.000	.3064592	.3474714
10	.3667187	.0106068	34.57	0.000	.3459293	.387508
11	.4005299	.0099805	40.13	0.000	.3809683	.4200916
12	.4242694	.0097627	43.46	0.000	.4051344	.4434044
13	.4504993	.0098687	45.65	0.000	.4311568	.4698419
14	.4769811	.0097364	48.99	0.000	.4578977	.4960644
15	.5002995	.0097679	51.22	0.000	.4811544	.5194446
16	.5170096	.00983	52.60	0.000	.4977428	.5362763
17	.5481861	.009773	56.09	0.000	.5290311	.5673411
18	.5886077	.0097533	60.35	0.000	.5694913	.6077241
19	.6194177	.0096764	64.01	0.000	.600452	.6383834
20	.6699739	.0098674	67.90	0.000	.6506338	.6893139
21	.6912078	.0098996	69.82	0.000	.6718046	.7106109
_cons	2.265762	.0244134	92.81	0.000	2.217912	2.313612

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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_ne
> ng_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 f
> irm_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_p
> ersonal_service occ_sales occ_labourer i.wave if sex_male == 1, vce(robust)

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Linear regression      Number of obs   =    64,858
                      F(59, 64798)      =    832.58
                      Prob > F           =    0.0000
                      R-squared          =    0.4418
                      Root MSE        =    .38169

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	-.0242305	.0042094	-5.76	0.000	-.0324808	-.0159801
experience	.0201041	.0006006	33.47	0.000	.018927	.0212813
experience_sq	-.0003106	.0000126	-24.72	0.000	-.0003352	-.000286
edu_uni	.2048386	.0050572	40.50	0.000	.1949265	.2147507
edu_diploma_cert	.0741261	.0036083	20.54	0.000	.0670538	.0811983
children_1	.0170287	.0043215	3.94	0.000	.0085585	.025499
children_2	.0678841	.0044967	15.10	0.000	.0590706	.0766977
children_3	.0692921	.0063439	10.92	0.000	.0568581	.0817261
children_4_plus	.0101044	.0117537	0.86	0.390	-.0129327	.0331416
health_poor	-.0857907	.0046029	-18.64	0.000	-.0948123	-.076769
birth_eng	.0220399	.0053516	4.12	0.000	.0115508	.032529

birth_neng	-.0812735	.005132	-15.84	0.000	-.0913323	-.0712147
married_yes	.0877494	.0045484	19.29	0.000	.0788345	.0966642
married_sep	.0422576	.0075082	5.63	0.000	.0275416	.0569737
urban_no	-.0445014	.005041	-8.83	0.000	-.0543817	-.034621
state_VIC	-.0322212	.0040955	-7.87	0.000	-.0402484	-.0241939
state_WA	.041902	.0062733	6.68	0.000	.0296063	.0541977
state_QLD	-.0235816	.0042133	-5.60	0.000	-.0318397	-.0153235
state_SA	-.1031625	.0059644	-17.30	0.000	-.1148528	-.0914722
state_NT	.0476603	.0150272	3.17	0.002	.0182069	.0771136
state_TAS	-.1046227	.0078553	-13.32	0.000	-.120019	-.0892264
state_ACT	.0903239	.0097769	9.24	0.000	.0711612	.1094866
shiftwork_yes	.0570855	.0046057	12.39	0.000	.0480584	.0661127
parttime	-.0331066	.0071513	-4.63	0.000	-.0471232	-.0190901
long_hours	-.019041	.0031434	-6.06	0.000	-.025202	-.01288
casual	.030862	.0058325	5.29	0.000	.0194303	.0422937
union_yes	.0743659	.0037435	19.87	0.000	.0670286	.0817032
firm_size_20_99	.0830721	.0038729	21.45	0.000	.0754812	.0906663
firm_size_100_199	.1340273	.0054088	24.78	0.000	.1234261	.1446285
firm_size_200_499	.2239479	.0054493	41.10	0.000	.2132672	.2346286
firm_size_500	.271221	.0052428	51.73	0.000	.2609451	.2814969
firm_size_unknown	.0096371	.0281811	0.34	0.732	-.0455979	.0648721
occ_tech_trade	-.1781326	.0054622	-32.61	0.000	-.1888386	-.1674266
occ_clerical_admin	-.2442952	.0063637	-38.39	0.000	-.2567681	-.2318223
occ_machinery	-.3055488	.0062925	-48.56	0.000	-.3178821	-.2932155
occ_prof	-.0356399	.0055832	-6.38	0.000	-.0465829	-.0246969
occ_community_personal_service	-.2653818	.0075962	-34.94	0.000	-.2802703	-.2504932
occ_sales	-.3105003	.0082742	-37.53	0.000	-.3267177	-.2942829
occ_labourer	-.3920727	.0072422	-54.14	0.000	-.4062674	-.3778779
wave						
2	.0168125	.0111477	1.51	0.132	-.005037	.038662
3	.0784191	.0108844	7.20	0.000	.0570856	.0997526
4	.1178694	.0108721	10.84	0.000	.0965602	.1391786
5	.158433	.0111521	14.21	0.000	.1365748	.1802911
6	.1962679	.0112345	17.47	0.000	.1742483	.2182875
7	.2575185	.0110402	23.33	0.000	.2358797	.2791573
8	.3061329	.0108359	28.25	0.000	.2848946	.3273712
9	.3432778	.0106524	32.23	0.000	.3223991	.3641565
10	.3893418	.010599	36.73	0.000	.3685678	.4101159
11	.42733	.0100671	42.45	0.000	.4075984	.4470616
12	.4618584	.0101045	45.71	0.000	.4420535	.4816633
13	.4873977	.0100482	48.51	0.000	.4677032	.5070921
14	.5106788	.0097919	52.15	0.000	.4914867	.5298708
15	.5142845	.0099696	51.59	0.000	.4947442	.5338249
16	.5446396	.0098786	55.13	0.000	.5252774	.5640017
17	.5670019	.0099621	56.92	0.000	.5474763	.5865276
18	.5929703	.0099602	59.53	0.000	.5734482	.6124924
19	.6278564	.0099131	63.34	0.000	.6084268	.647286
20	.6766991	.0102428	66.07	0.000	.6566233	.6967749
21	.6931324	.0100385	69.05	0.000	.673457	.7128078
_cons	2.657111	.0115538	229.98	0.000	2.634466	2.679757

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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_ne
> ng 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 f
> irm_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_p
> ersonal_service occ_sales occ_labourer i.wave if sex_female == 1, vce(robust)

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```

Linear regression               Number of obs   =    66,949
                               F(59, 66889)       =    885.40
                               Prob > F          =    0.0000
                               R-squared          =    0.4452
                               Root MSE       =    .35424

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
sector_public	.048905	.0033816	14.46	0.000	.0422771	.0555328
experience	.0165255	.0005789	28.54	0.000	.0153908	.0176603
experience_sq	-.000275	.000013	-21.20	0.000	-.0003004	-.0002495
edu_uni	.1477771	.0044434	33.26	0.000	.1390681	.1564861
edu_diploma_cert	.0663293	.0035453	18.71	0.000	.0593804	.0732781
children_1	.0053191	.0039786	1.34	0.181	-.002479	.0131172
children_2	.016497	.0038865	4.24	0.000	.0088794	.0241146
children_3	.0200746	.0057875	3.47	0.001	.0087311	.031418
children_4_plus	-.0132705	.0114707	-1.16	0.247	-.0357531	.009212
health_poor	-.0470318	.0039537	-11.90	0.000	-.0547811	-.0392825
birth_eng	.0241003	.0049816	4.84	0.000	.0143364	.0338641
birth_neng	-.0129106	.0048039	-2.69	0.007	-.0223263	-.003495
married_yes	.060341	.0042025	14.36	0.000	.0521042	.0685778
married_sep	.0363815	.0054894	6.63	0.000	.0256223	.0471406
urban_no	-.0301383	.0048219	-6.25	0.000	-.0395893	-.0206873
state_VIC	-.0486114	.0038008	-12.79	0.000	-.0560609	-.0411619
state_WA	-.0108797	.0053864	-2.02	0.043	-.021437	-.0003224
state_QLD	-.0592428	.0039505	-15.00	0.000	-.0669858	-.0514998
state_SA	-.0637136	.0054639	-11.66	0.000	-.0744229	-.0530043
state_NT	.0052317	.0141823	0.37	0.712	-.0225656	.033029
state_TAS	-.0671868	.007174	-9.37	0.000	-.0812479	-.0531256

state_ACT	.0450204	.0089946	5.01	0.000	.0273909	.0626499
shiftwork_yes	.0364827	.0041581	8.77	0.000	.0283328	.0446327
parttime	.0113438	.0033216	3.42	0.001	.0048334	.0178542
long_hours	-.0588352	.0039222	-15.00	0.000	-.0665228	-.0511477
casual	.0007383	.0047608	0.16	0.877	-.0085928	.0100694
union_yes	.0344063	.0032985	10.43	0.000	.0279412	.0408714
firm_size_20_99	.0393044	.0035809	10.98	0.000	.0322858	.0463231
firm_size_100_199	.0677615	.004878	13.89	0.000	.0582007	.0773224
firm_size_200_499	.1141157	.0052426	21.77	0.000	.1038401	.1243913
firm_size_500	.1710619	.0048307	35.41	0.000	.1615938	.1805301
firm_size_unknown	.0104775	.0186124	0.56	0.573	-.0260028	.0469578
occ_tech_trade	-.303714	.0082309	-36.90	0.000	-.3198466	-.2875815
occ_clerical_admin	-.2182113	.0058738	-37.15	0.000	-.2297239	-.2066987
occ_machinery	-.299868	.0138173	-21.70	0.000	-.3269499	-.2727861
occ_prof	-.0276935	.0057792	-4.79	0.000	-.0390207	-.0163664
occ_community_personal_service	-.3287447	.0065628	-50.09	0.000	-.3416077	-.3158817
occ_sales	-.3382718	.0072607	-46.59	0.000	-.3525028	-.3240407
occ_labourer	-.4350509	.0089095	-48.83	0.000	-.4525136	-.4175882
wave						
2	.0212474	.0102947	2.06	0.039	.0010698	.041425
3	.0609133	.0106191	5.74	0.000	.0400999	.0817267
4	.0921807	.0105112	8.77	0.000	.0715788	.1127826
5	.1369478	.0106934	12.81	0.000	.1159887	.1579069
6	.1921538	.0103079	18.64	0.000	.1719504	.2123573
7	.2390846	.0105294	22.71	0.000	.2184471	.2597221
8	.2828956	.0103995	27.20	0.000	.2625126	.3032787
9	.3259316	.0101647	32.06	0.000	.3060088	.3458545
10	.3642348	.0103061	35.34	0.000	.3440349	.3844347
11	.3989414	.0096883	41.18	0.000	.3799523	.4179304
12	.4251218	.0094672	44.90	0.000	.4065662	.4436775
13	.4494414	.0095655	46.99	0.000	.430693	.4681898
14	.4716604	.0094128	50.11	0.000	.4532113	.4901095
15	.4991518	.0094311	52.93	0.000	.4806668	.5176369
16	.515759	.0095337	54.10	0.000	.497073	.5344449
17	.5438381	.0094679	57.44	0.000	.525281	.5623953
18	.582864	.0094651	61.58	0.000	.5643125	.6014155
19	.6159503	.0093616	65.80	0.000	.5976017	.634299
20	.6634874	.0095241	69.66	0.000	.6448202	.6821546
21	.6842987	.0095648	71.54	0.000	.6655518	.7030456
_cons	2.702869	.0114233	236.61	0.000	2.680479	2.725259

```

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_ne
> ng 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 f
> irm_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_accommo_food ind_prof_sci technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it in
> d_public_admin occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_personal_service occ_sales occ_labourer i.wave if sex_male == 1, vce(
> robust)

```

```

Linear regression              Number of obs   =    64,858
                              F(77, 64780)      =    790.00
                              Prob > F         =    0.0000
                              R-squared         =    0.4896
                              Root MSE      =    .36502

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]
sector_public	.0098514	.0052794	1.87	0.062	-.0004961 .020199
experience	.0203563	.0005821	34.97	0.000	.0192153 .0214973
experience_sq	-.0003161	.0000121	-26.05	0.000	-.0003399 -.0002923
edu_uni	.1952238	.0049253	39.64	0.000	.1855702 .2048774
edu_diploma_cert	.0680094	.0034625	19.64	0.000	.0612229 .074796
children_1	.0185251	.0040888	4.53	0.000	.0105111 .0265392
children_2	.0609985	.0043078	14.16	0.000	.0525553 .0694417
children_3	.0660247	.0059914	11.02	0.000	.0542816 .0777679
children_4_plus	.0055458	.0109972	0.50	0.614	-.0160087 .0271003
health_poor	-.0760518	.0044166	-17.22	0.000	-.0847082 -.0673953
birth_eng	.024053	.0050675	4.75	0.000	.0141207 .0339852
birth_neng	-.0667851	.0049846	-13.40	0.000	-.076555 -.0570152
married_yes	.0741378	.0043935	16.87	0.000	.0655264 .0827491
married_sep	.037224	.0072243	5.15	0.000	.0230643 .0513836
urban_no	-.0381176	.004857	-7.85	0.000	-.0476373 -.0285978
state_VIC	-.020355	.0039671	-5.13	0.000	-.0281305 -.0125796
state_WA	.019945	.0059897	3.33	0.001	.0082051 .0316848
state_QLD	-.0205186	.0039873	-5.15	0.000	-.0283338 -.0127034
state_SA	-.0863428	.0058199	-14.84	0.000	-.0977498 -.0749357
state_NT	.0428829	.0144024	2.98	0.003	.0146543 .0711116
state_TAS	-.0955674	.0078816	-12.13	0.000	-.1110153 -.0801194
state_ACT	.0805352	.0094447	8.53	0.000	.0620236 .0990468
shiftwork_yes	.0716902	.0045292	15.83	0.000	.0628129 .0805674
parttime	.0155318	.007105	2.19	0.029	.001606 .0294576
long_hours	-.0388905	.003025	-12.86	0.000	-.0448194 -.0329615
casual	.0247678	.0057006	4.34	0.000	.0135946 .035941
union_yes	.0676182	.0036041	18.76	0.000	.0605542 .0746823
firm_size_20_99	.0831377	.0037219	22.34	0.000	.0758427 .0904326

firm_size_100_199	.131484	.0051697	25.43	0.000	.1213514	.1416166
firm_size_200_499	.1816062	.0052567	34.55	0.000	.1713031	.1919092
firm_size_500	.2284482	.0052198	43.77	0.000	.2182173	.238679
firm_size_unknown	-.0103085	.027995	-0.37	0.713	-.0651787	.0445618
ind_wholesale	.1305604	.0124339	10.50	0.000	.1061901	.1549308
ind_finance	.3298787	.0138588	23.80	0.000	.3027154	.357042
ind_education	.0216726	.0127751	1.70	0.090	-.0033666	.0467118
ind_mine	.5091474	.0134545	37.84	0.000	.4827765	.5355182
ind_retail	-.0265819	.0120696	-2.20	0.028	-.0502382	-.0029255
ind_housing	.0966117	.0195521	4.94	0.000	.0582897	.1349338
ind_health	.0370597	.013703	2.70	0.007	.0102018	.0639176
ind_manufact	.1332692	.0112942	11.80	0.000	.1111326	.1554058
ind_accommodation	-.0601091	.0135221	-4.45	0.000	-.0866124	-.0336058
ind_prof_sci_technical	.241515	.0124983	19.32	0.000	.2170184	.2660117
ind_arts_rec	-.013093	.0162555	-0.81	0.421	-.0449538	.0187677
ind_utilities	.3086095	.0145862	21.16	0.000	.2800205	.3371985
ind_logistics	.1701619	.0122239	13.92	0.000	.1462032	.1941207
ind_admin	.0594266	.0145024	4.10	0.000	.0310019	.0878514
ind_other_unknown	.0799231	.0133628	5.98	0.000	.053732	.1061141
ind_construct	.2589297	.0116349	22.25	0.000	.2361253	.2817342
ind_it	.1896228	.0145531	13.03	0.000	.1610988	.2181468
ind_public_admin	.1670586	.012404	13.47	0.000	.1427467	.1913706
occ_tech_trade	-.2294376	.0054135	-42.38	0.000	-.240048	-.2188271
occ_clerical_admin	-.2931811	.0062492	-46.91	0.000	-.3054296	-.2809326
occ_machinery	-.3720861	.0062269	-59.76	0.000	-.3842907	-.3598814
occ_prof	-.0642357	.00553	-11.62	0.000	-.0750745	-.0533969
occ_community_personal_service	-.2595417	.0075681	-34.29	0.000	-.2743752	-.2447082
occ_sales	-.2512749	.0082762	-30.36	0.000	-.2674962	-.2350537
occ_labourer	-.403917	.0070452	-57.33	0.000	-.4177257	-.3901083
wave						
2	.0240675	.0107598	2.24	0.025	.0029783	.0451566
3	.0838858	.0104579	8.02	0.000	.0633884	.1043831
4	.1203525	.0104255	11.54	0.000	.0999186	.1407864
5	.1643616	.0106989	15.36	0.000	.1433917	.1853314
6	.2017562	.010849	18.60	0.000	.1804921	.2230202
7	.2576372	.0106423	24.21	0.000	.2367783	.2784961
8	.3039537	.0104234	29.16	0.000	.2835238	.3243836
9	.3435942	.0102225	33.61	0.000	.3235581	.3636303
10	.3867487	.0102143	37.86	0.000	.3667285	.4067688
11	.4237103	.0096763	43.79	0.000	.4047448	.4426759
12	.4562899	.0096898	47.09	0.000	.4372979	.4752818
13	.4818272	.0096295	50.04	0.000	.4629534	.500701
14	.5065897	.009382	54.00	0.000	.488201	.5249785
15	.5117198	.0096315	53.13	0.000	.4928421	.5305975
16	.5408434	.0095203	56.81	0.000	.5221835	.5595032
17	.5662804	.0095882	59.06	0.000	.5474875	.5850733
18	.5911546	.0096116	61.50	0.000	.5723159	.6099933
19	.6244577	.0095741	65.22	0.000	.6056925	.6432229
20	.6727051	.0098947	67.99	0.000	.6533115	.6920986
21	.6855867	.009718	70.55	0.000	.6665394	.704634
_cons	2.553538	.0152482	167.47	0.000	2.523652	2.583425

```

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_ne
> ng 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 f
> irm_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_accommodation ind_prof_sci_technical ind_arts_rec ind_utilities ind_logistics ind_admin ind_other_unknown ind_construct ind_it in
> d_public_admin occ_tech_trade occ_clerical_admin occ_machinery occ_prof occ_community_personal_service occ_sales occ_labourer i.wave if sex_female == 1, vc
> e(robust)

```

```

Linear regression               Number of obs   =    66,949
                               F(77, 66871)       =    731.79
                               Prob > F           =    0.0000
                               R-squared           =    0.4612
                               Root MSE        =    .34916

```

log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]
sector_public	.0367557	.0039762	9.24	0.000	.0289623 .044549
experience	.0156369	.0005768	27.11	0.000	.0145064 .0167673
experience_sq	-.0002559	.0000129	-19.78	0.000	-.0002813 -.0002306
edu_uni	.1371711	.0044302	30.96	0.000	.1284879 .1458543
edu_diploma_cert	.0596157	.0035203	16.93	0.000	.0527159 .0665156
children_1	.0064688	.0039281	1.65	0.100	-.0012303 .0141678
children_2	.015211	.0038488	3.95	0.000	.0076673 .0227547
children_3	.0213404	.0057169	3.73	0.000	.0101353 .0325454
children_4_plus	-.0072631	.0113741	-0.64	0.523	-.0295562 .01503
health_poor	-.0457256	.0039186	-11.67	0.000	-.053406 -.0380452
birth_eng	.0228023	.0049045	4.65	0.000	.0131894 .0324151
birth_neng	-.0163351	.0047682	-3.43	0.001	-.0256807 -.0069895
married_yes	.0601341	.0041684	14.43	0.000	.0519641 .0683042
married_sep	.0372536	.0054493	6.84	0.000	.026573 .0479342
urban_no	-.0276614	.0047421	-5.83	0.000	-.036956 -.0183668
state_VIC	-.0489224	.0037523	-13.04	0.000	-.056277 -.0415679
state_WA	-.0153299	.0052837	-2.90	0.004	-.0256859 -.0049739
state_QLD	-.0599461	.0038968	-15.38	0.000	-.0675839 -.0523084

state_SA	-.0705438	.0054319	-12.99	0.000	-.0811903	-.0598974
state_NT	.0046062	.013846	0.33	0.739	-.0225319	.0317443
state_TAS	-.0687226	.0070694	-9.72	0.000	-.0825786	-.0548667
state_ACT	.0223436	.0088178	2.53	0.011	.0050608	.0396265
shiftwork_yes	.0469978	.0042838	10.97	0.000	.0386016	.055394
parttime	.0235984	.0032956	7.16	0.000	.0171391	.0300577
long_hours	-.0600545	.0038697	-15.52	0.000	-.0676392	-.0524698
casual	.0152141	.0048216	3.16	0.002	.0057637	.0246645
union_yes	.0465364	.0033182	14.02	0.000	.0400328	.05304
firm_size_20_99	.043759	.0035724	12.25	0.000	.0367572	.0507608
firm_size_100_199	.0677323	.0048239	14.04	0.000	.0582775	.077187
firm_size_200_499	.0963475	.0052143	18.48	0.000	.0861275	.1065676
firm_size_500	.1520155	.0048621	31.27	0.000	.1424857	.1615453
firm_size_unknown	-.005257	.0185484	-0.28	0.777	-.0416118	.0310979
ind_wholesale	.1425793	.0229902	6.20	0.000	.0975186	.1876401
ind_finance	.2182722	.022602	9.66	0.000	.1739723	.2625721
ind_education	.0964997	.0220371	4.38	0.000	.0533071	.1396923
ind_mine	.3440913	.0277561	12.40	0.000	.2896893	.3984933
ind_retail	-.0152785	.0221436	-0.69	0.490	-.0586799	.028123
ind_housing	.1634204	.024785	6.59	0.000	.1148419	.211999
ind_health	.1160894	.0219235	5.30	0.000	.0731195	.1590594
ind_manufact	.1293514	.0222599	5.81	0.000	.0857219	.1729809
ind_accommodation	.0048594	.0223468	0.22	0.828	-.0389402	.0486591
ind_prof_sci_technical	.1805562	.0224529	8.04	0.000	.1365485	.2245639
ind_arts_rec	.063932	.0246738	2.59	0.010	.0155714	.1122925
ind_utilities	.2912234	.0257071	11.33	0.000	.2408375	.3416093
ind_logistics	.142452	.0240496	5.92	0.000	.0953148	.1895892
ind_admin	.1048001	.0230838	4.54	0.000	.0595559	.1500443
ind_other_unknown	.1064837	.0230845	4.61	0.000	.061238	.1517293
ind_construct	.2211251	.0249066	8.88	0.000	.1723082	.2699421
ind_it	.1699941	.023968	7.09	0.000	.1230168	.2169714
ind_public_admin	.2299999	.0223351	10.30	0.000	.186223	.2737767
occ_tech_trade	-.3146064	.0080971	-38.85	0.000	-.3304767	-.2987361
occ_clerical_admin	-.2601203	.0058007	-44.84	0.000	-.2714897	-.2487508
occ_machinery	-.3424136	.0133784	-25.59	0.000	-.3686353	-.3161919
occ_prof	-.0423621	.0058142	-7.29	0.000	-.053758	-.0309662
occ_community_personal_service	-.3347395	.0065791	-50.88	0.000	-.3476345	-.3218445
occ_sales	-.2770689	.0075931	-36.49	0.000	-.2919513	-.2621865
occ_labourer	-.4247338	.0090906	-46.72	0.000	-.4425513	-.4069162
wave						
2	.0236621	.0102226	2.31	0.021	.0036258	.0436983
3	.0631222	.0105262	6.00	0.000	.0424908	.0837536
4	.0934456	.0104153	8.97	0.000	.0730316	.1138597
5	.1376928	.0106138	12.97	0.000	.1168897	.1584959
6	.1946804	.0101887	19.11	0.000	.1747107	.2146502
7	.2413906	.010412	23.18	0.000	.220983	.2617981
8	.2831943	.0102843	27.54	0.000	.2630372	.3033514
9	.3270791	.0100298	32.61	0.000	.3074206	.3467375
10	.3651765	.0101913	35.83	0.000	.3452017	.3851514
11	.3992201	.0095841	41.65	0.000	.3804352	.4180049
12	.4263901	.0093596	45.56	0.000	.4080453	.4447349
13	.4507275	.0094532	47.68	0.000	.4321992	.4692558
14	.4745672	.0093033	51.01	0.000	.4563326	.4928017
15	.5013988	.0093287	53.75	0.000	.4831145	.519683
16	.5182143	.0094137	55.05	0.000	.4997635	.5366651
17	.5470355	.0093578	58.46	0.000	.5286943	.5653768
18	.5854673	.0093564	62.57	0.000	.5671287	.6038059
19	.6183423	.0092512	66.84	0.000	.6002099	.6364746
20	.6642303	.00942	70.51	0.000	.6457672	.6826934
21	.6848011	.0094854	72.20	0.000	.6662098	.7033925
_cons	2.603283	.0244754	106.36	0.000	2.555311	2.651255

```

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_ne
> ng_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 i
> nd_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind_health ind_manufact ind_accommodation ind_prof_sci_technical ind_arts_rec ind_util
> ities 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_communit
> y_personal_service occ_sales occ_labourer i.wave if sex_male == 1, vce(robust)

```

```

Linear regression               Number of obs   =    64,858
                               F(72, 64785)      =    769.07
                               Prob > F          =    0.0000
                               R-squared          =    0.4701
                               Root MSE       =    .37192

```

	log_wage	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]
sector_public		.0406021	.0052671	7.71	0.000	.0302785 .0509256
experience		.0209538	.0005904	35.49	0.000	.0197966 .0221109
experience_sq		-.0003306	.0000123	-26.91	0.000	-.0003547 -.0003066
edu_uni		.2078523	.0050284	41.34	0.000	.1979967 .2177079
edu_diploma_cert		.0709742	.003507	20.24	0.000	.0641004 .0778479
children_1		.0193315	.0041772	4.63	0.000	.0111442 .0275187
children_2		.0616593	.0043971	14.02	0.000	.0530409 .0702776
children_3		.0662058	.0061202	10.82	0.000	.0542102 .0782014

children_4_plus	.0097374	.0112692	0.86	0.388	-.0123502	.031825
health_poor	-.0783379	.0044639	-17.55	0.000	-.087087	-.0695887
birth_eng	.0320881	.0052066	6.16	0.000	.0218831	.042293
birth_neng	-.0566453	.0050649	-11.18	0.000	-.0665725	-.046718
married_yes	.0731759	.0044549	16.43	0.000	.0644443	.0819076
married_sep	.0327236	.0073195	4.47	0.000	.0183774	.0470698
urban_no	-.0543192	.0049646	-10.94	0.000	-.0640497	-.0445887
state_VIC	-.0164734	.0040546	-4.06	0.000	-.0244205	-.0085264
state_WA	.0202123	.0061431	3.29	0.001	.0081717	.0322528
state_QLD	-.025173	.0040631	-6.20	0.000	-.0331367	-.0172094
state_SA	-.0847185	.0058705	-14.43	0.000	-.0962247	-.0732124
state_NT	.0366234	.0146691	2.50	0.013	.0078719	.0653749
state_TAS	-.1031865	.0080717	-12.78	0.000	-.1190071	-.087366
state_ACT	.1000588	.0094522	10.59	0.000	.0815324	.1185852
shiftwork_yes	.0918162	.0045773	20.06	0.000	.0828446	.1007877
parttime	.0026177	.0071581	0.37	0.715	-.0114121	.0166475
long_hours	-.035786	.0030963	-11.56	0.000	-.0418548	-.0297173
casual	.0067691	.005809	1.17	0.244	-.0046165	.0181548
union_yes	.0837809	.003635	23.05	0.000	.0766563	.0909054
ind_wholesale	.1437359	.0126723	11.34	0.000	.1188982	.1685736
ind_finance	.4097621	.0140021	29.26	0.000	.3823179	.4372062
ind_education	.061757	.0129807	4.76	0.000	.0363148	.0871992
ind_mine	.6059683	.0135649	44.67	0.000	.5793811	.6325555
ind_retail	-.0041437	.0123083	-0.34	0.736	-.0282679	.0199805
ind_housing	.1008007	.019916	5.06	0.000	.0617654	.139836
ind_health	.0913541	.013811	6.61	0.000	.0642845	.1184237
ind_manufact	.1892555	.0114646	16.51	0.000	.1667848	.2117261
ind_accommodation	-.0289302	.013774	-2.10	0.036	-.0559273	-.0019331
ind_prof_sci_technical	.276513	.0127678	21.66	0.000	.2514882	.3015378
ind_arts_rec	.0408114	.016495	2.47	0.013	.0084813	.0731415
ind_utilities	.3627838	.0147788	24.55	0.000	.3338173	.3917504
ind_logistics	.2104627	.0124235	16.94	0.000	.1861127	.2348127
ind_admin	.0865028	.0146625	5.90	0.000	.0577643	.1152412
ind_other_unknown	.088563	.0137067	6.46	0.000	.0616978	.1154281
ind_construct	.2739905	.011845	23.13	0.000	.2507743	.2972066
ind_it	.2585941	.0149001	17.36	0.000	.2293898	.2877983
ind_public_admin	.2223658	.0125298	17.75	0.000	.1978074	.2469242
occ_tech_trade	-.2413397	.005559	-43.41	0.000	-.2522354	-.2304441
occ_clerical_admin	-.2886205	.0063654	-45.34	0.000	-.3010967	-.2761443
occ_machinery	-.3777482	.0063556	-59.44	0.000	-.3902052	-.3652912
occ_prof	-.0584176	.0056885	-10.27	0.000	-.0695672	-.0472681
occ_community_personal_service	-.2886178	.0075603	-38.18	0.000	-.303436	-.2737996
occ_sales	-.2638568	.0083977	-31.42	0.000	-.2803162	-.2473973
occ_labourer	-.4059539	.0071402	-56.86	0.000	-.4199487	-.3919592
wave						
2	.0285761	.0109089	2.62	0.009	.0071946	.0499575
3	.0873368	.0106228	8.22	0.000	.0665162	.1081575
4	.125392	.0106005	11.83	0.000	.1046151	.146169
5	.1722645	.0108423	15.89	0.000	.1510136	.1935153
6	.2099784	.011012	19.07	0.000	.1883949	.2315619
7	.2694527	.010804	24.94	0.000	.2482769	.2906285
8	.3140737	.0105974	29.64	0.000	.2933029	.3348446
9	.3548407	.0103691	34.22	0.000	.3345172	.3751642
10	.399291	.0104096	38.36	0.000	.3788881	.4196938
11	.4373448	.00984	44.45	0.000	.4180584	.4566312
12	.4693713	.0098646	47.58	0.000	.4500367	.4887059
13	.4949722	.0097934	50.54	0.000	.4757772	.5141673
14	.5179649	.0095363	54.31	0.000	.4992737	.5366561
15	.5247669	.0097773	53.67	0.000	.5056033	.5439304
16	.5540376	.0096669	57.31	0.000	.5350905	.5729847
17	.5791348	.0097456	59.43	0.000	.5600335	.5982362
18	.6063682	.009748	62.20	0.000	.5872621	.6254743
19	.6414586	.0097173	66.01	0.000	.6224126	.6605046
20	.6870745	.0100196	68.57	0.000	.6674361	.706713
21	.6987297	.0098637	70.84	0.000	.6793968	.7180625
_cons	2.576568	.0154748	166.50	0.000	2.546238	2.606899

```

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_ne
> ng 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 i
> nd_wholesale ind_finance ind_education ind_mine ind_retail ind_housing ind_health ind_manufact ind_accommodation ind_prof_sci_technical ind_arts_rec ind_util
> ities 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_communit
> y_personal_service occ_sales occ_labourer i.wave if sex_female == 1, vce(robust)

```

```

Linear regression               Number of obs   =    66,949
                               F(72, 66876)       =    754.16
                               Prob > F           =    0.0000
                               R-squared           =    0.4522
                               Root MSE        =    .35202

```

		Robust				
log_wage	Coefficient	std. err.	t	P> t	[95% conf. interval]	
sector_public	.0652451	.0038676	16.87	0.000	.0576646	.0728257
experience	.0161153	.0005808	27.74	0.000	.0149769	.0172537
experience_sq	-.0002662	.000013	-20.43	0.000	-.0002918	-.0002407
edu_uni	.1455046	.0044754	32.51	0.000	.1367329	.1542763

edu_diploma_cert	.0594078	.0035465	16.75	0.000	.0524565	.066359
children_1	.0063243	.0039584	1.60	0.110	-.0014342	.0140828
children_2	.0147352	.0038858	3.79	0.000	.0071189	.0223515
children_3	.0196503	.0057693	3.41	0.001	.0083425	.0309581
children_4_plus	-.0128908	.0113813	-1.13	0.257	-.0351982	.0094166
health_poor	-.0459763	.003941	-11.67	0.000	-.0537007	-.038252
birth_eng	.0299849	.0049247	6.09	0.000	.0203324	.0396373
birth_neng	-.0100076	.0048137	-2.08	0.038	-.0194424	-.0005728
married_yes	.058787	.0041864	14.04	0.000	.0505815	.0669924
married_sep	.0342039	.0054765	6.25	0.000	.02347	.0449378
urban_no	-.0394811	.0047474	-8.32	0.000	-.0487859	-.0301762
state_VIC	-.044698	.003796	-11.78	0.000	-.0521381	-.0372579
state_WA	-.0127516	.0053293	-2.39	0.017	-.023197	-.0023063
state_QLD	-.0613543	.0039281	-15.62	0.000	-.0690533	-.0536553
state_SA	-.0700356	.0054516	-12.85	0.000	-.0807208	-.0593505
state_NT	-.0049241	.0139164	-0.35	0.723	-.0322001	.022352
state_TAS	-.0691903	.0071031	-9.74	0.000	-.0831123	-.0552682
state_ACT	.0399369	.0088406	4.52	0.000	.0226093	.0572644
shiftwork_yes	.06398	.0042475	15.06	0.000	.0556549	.0723051
parttime	.0174409	.0033206	5.25	0.000	.0109326	.0239492
long_hours	-.0560287	.0039364	-14.23	0.000	-.0637441	-.0483134
casual	.0028909	.004818	0.60	0.548	-.0065523	.0123341
union_yes	.0513469	.0033115	15.51	0.000	.0448563	.0578375
ind_wholesale	.1464474	.0231504	6.33	0.000	.1010727	.1918221
ind_finance	.2480338	.0227884	10.88	0.000	.2033685	.292699
ind_education	.09795	.0221975	4.41	0.000	.0544429	.1414572
ind_mine	.3980175	.0279449	14.24	0.000	.3432454	.4527895
ind_retail	-.00751	.0223108	-0.34	0.736	-.051239	.0362191
ind_housing	.1550239	.0249584	6.21	0.000	.1061054	.2039424
ind_health	.1362	.022072	6.17	0.000	.092939	.1794611
ind_manufact	.1527042	.0224457	6.80	0.000	.1087105	.1966978
ind_accommodation	.0104388	.0224982	0.46	0.643	-.0336577	.0545353
ind_prof_sci_technical	.1877893	.0226259	8.30	0.000	.1434425	.2321361
ind_arts_rec	.0784213	.0248303	3.16	0.002	.0297539	.1270887
ind_utilities	.325707	.0260783	12.49	0.000	.2745936	.3768204
ind_logistics	.1601231	.0242807	6.59	0.000	.1125329	.2077134
ind_admin	.1096582	.0232073	4.73	0.000	.0641719	.1551445
ind_other_unknown	.1037613	.0232409	4.46	0.000	.0582091	.1493135
ind_construct	.2264048	.025107	9.02	0.000	.1771951	.2756146
ind_it	.1960148	.0242421	8.09	0.000	.1485003	.2435292
ind_public_admin	.2517806	.0224757	11.20	0.000	.2077282	.2958329
occ_tech_trade	-.3223644	.0082269	-39.18	0.000	-.3384891	-.3062398
occ_clerical_admin	-.2588669	.0058989	-43.88	0.000	-.2704286	-.2473051
occ_machinery	-.3398213	.0135864	-25.01	0.000	-.3664506	-.313192
occ_prof	-.0369717	.0059186	-6.25	0.000	-.0485723	-.0253712
occ_community_personal_service	-.3439601	.0066303	-51.88	0.000	-.3569555	-.3309647
occ_sales	-.2793118	.0077024	-36.26	0.000	-.2944085	-.2642151
occ_labourer	-.4179464	.0091566	-45.64	0.000	-.4358934	-.3999994
wave						
2	.0266021	.0102688	2.59	0.010	.0064753	.046729
3	.0666076	.0105583	6.31	0.000	.0459134	.0873018
4	.0977409	.0104521	9.35	0.000	.0772549	.118227
5	.141966	.0106681	13.31	0.000	.1210565	.1628755
6	.2021048	.0102322	19.75	0.000	.1820497	.2221599
7	.2496017	.0104486	23.89	0.000	.2291225	.270081
8	.2910209	.0103306	28.17	0.000	.2707729	.3112689
9	.3357326	.0100893	33.28	0.000	.3159576	.3555076
10	.3734333	.0102502	36.43	0.000	.353343	.3935237
11	.4084202	.009627	42.42	0.000	.3895514	.4272891
12	.4340733	.0094081	46.14	0.000	.4156336	.4525131
13	.4602957	.0095035	48.43	0.000	.4416688	.4789226
14	.4848363	.0093511	51.85	0.000	.4665081	.5031645
15	.5116406	.0093855	54.51	0.000	.493245	.5300362
16	.5289812	.009465	55.89	0.000	.5104298	.5475326
17	.5575259	.0094094	59.25	0.000	.5390835	.5759682
18	.5963085	.0093966	63.46	0.000	.5778911	.6147258
19	.6297466	.009288	67.80	0.000	.611542	.6479511
20	.6735415	.009453	71.25	0.000	.6550137	.6920693
21	.6944768	.0095312	72.86	0.000	.6757958	.7131579
_cons	2.618546	.0245964	106.46	0.000	2.570337	2.666755

```

53 .
54 .
    end of do-file

55 . log close
    name: <unnamed>
    log: /Users/arbore/Documents/github repos/hons-project/logs/first regressions/first_regress_v2.smcl
    log type: smcl
closed on: 3 Jul 2023, 10:57:43

```