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name: <unnamed>
log: /Users/dgaskin/Documents/WPDOCS/Health Economics Program/Advanced Methods in HS
> R/Data/Lecture 3 Example.log
log type: text
opened on: 7 Sep 2015, 20:23:09

. do "/var/folders/33/6k2hslfx3dggf37z68mv2g040000gq/T//SD00740.000000"

. reg wages age agesq female i.race i.education msa i.region i.healthstatus if age08x>17 & w
> ages > 0

```

Source	SS	df	MS	Number of obs =	14762
Model	2.7437e+12	20	1.3718e+11	F( 20, 14741) =	364.99
Residual	5.5405e+12	14741	375855004	Prob > F =	0.0000
				R-squared =	0.3312
				Adj R-squared =	0.3303
Total	8.2842e+12	14761	561220486	Root MSE =	19387

wages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
age	2104.517	58.00955	36.28	0.000	1990.811 2218.223
agesq	-20.97975	.6395985	-32.80	0.000	-22.23344 -19.72606
female	-6576.349	321.4973	-20.46	0.000	-7206.524 -5946.174
race					
Black	-4931.194	462.5926	-10.66	0.000	-5837.934 -4024.455
Hispanic	-4115.937	445.0568	-9.25	0.000	-4988.304 -3243.57
Asian	-675.5581	688.1842	-0.98	0.326	-2024.485 673.3689
Other	-3143.696	1105.059	-2.84	0.004	-5309.749 -977.6429
education					
Some High	2579.076	760.7606	3.39	0.001	1087.891 4070.262
High School/GED	7277.408	689.1604	10.56	0.000	5926.567 8628.248
Some College/Tech Scho..	11429.43	744.8291	15.35	0.000	9969.476 12889.39
College	24280.51	763.8995	31.78	0.000	22783.18 25777.85
Advanced Degree	30544.65	869.6153	35.12	0.000	28840.09 32249.2
msa	3611.617	483.9424	7.46	0.000	2663.03 4560.205
region					
South	-1076.931	488.3859	-2.21	0.027	-2034.228 -119.6333

Midwest	-695.3526	549.3364	-1.27	0.206	-1772.121	381.4153
West	723.9923	519.7043	1.39	0.164	-294.6931	1742.678
healthstatus						
Very Good	-535.0051	420.2906	-1.27	0.203	-1358.827	288.817
Good	-2855.088	439.7147	-6.49	0.000	-3716.984	-1993.192
Fair	-6090.048	651.4859	-9.35	0.000	-7367.042	-4813.055
Poor	-8187.529	1251.917	-6.54	0.000	-10641.44	-5733.616
_cons	-23930.47	1534.303	-15.60	0.000	-26937.9	-20923.05

. rvfplot

. estat ovtest

Ramsey RESET test using powers of the fitted values of wages

Ho: model has no omitted variables

F(3, 14738) = 49.50

Prob > F = 0.0000

. linktest

Source	SS	df	MS	Number of obs =	14762
Model	2.7652e+12	2	1.3826e+12	F( 2, 14759) =	3697.47
Residual	5.5189e+12	14759	373937042	Prob > F =	0.0000
Total	8.2842e+12	14761	561220486	R-squared =	0.3338
				Adj R-squared =	0.3337
				Root MSE =	19337

wages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
_hat	.6644017	.0457311	14.53	0.000	.5747631 .7540403
_hatsq	5.31e-06	6.99e-07	7.59	0.000	3.94e-06 6.68e-06
_cons	4304.168	685.5331	6.28	0.000	2960.437 5647.898

. estat hettest

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity

Ho: Constant variance

Variables: fitted values of wages

chi2(1) = 2491.75

Prob > chi2 = 0.0000

```
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. reg lnwages age agesq female i.race i.education msa i.region i.healthstatus if age08x>17 &
> wages > 0
```

Source	SS	df	MS	Number of obs = 14762			
Model	4452.1358	20	222.60679	F( 20, 14741) = 325.33			
Residual	10086.4996	14741	.684247989	Prob > F = 0.0000			
Total	14538.6354	14761	.984935669	R-squared = 0.3062			
				Adj R-squared = 0.3053			
				Root MSE = .82719			

  

lnwages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
age	.111819	.0024751	45.18	0.000	.1069675	.1166705
agesq	-.0011231	.0000273	-41.15	0.000	-.0011766	-.0010696
female	-.2549684	.0137175	-18.59	0.000	-.2818564	-.2280805
race						
Black	-.1779442	.0197376	-9.02	0.000	-.2166325	-.139256
Hispanic	-.0731087	.0189894	-3.85	0.000	-.1103303	-.035887
Asian	-.0716333	.0293631	-2.44	0.015	-.1291886	-.0140781
Other	-.1108497	.04715	-2.35	0.019	-.2032697	-.0184298
education						
Some High	-.0053227	.0324597	-0.16	0.870	-.0689478	.0583024
High School/GED	.3294355	.0294047	11.20	0.000	.2717986	.3870724
Some College/Tech Scho..	.474558	.03178	14.93	0.000	.4122653	.5368507
College	.8727789	.0325936	26.78	0.000	.8088913	.9366665
Advanced Degree	1.000223	.0371043	26.96	0.000	.9274936	1.072952
msa	.1093024	.0206486	5.29	0.000	.0688286	.1497762
region						
South	-.046428	.0208382	-2.23	0.026	-.0872734	-.0055826

Midwest	-.0392333	.0234388	-1.67	0.094	-.0851763	.0067096
West	.0186769	.0221745	0.84	0.400	-.0247878	.0621416
healthstatus						
Very Good	-.0098539	.0179327	-0.55	0.583	-.0450043	.0252965
Good	-.1004453	.0187615	-5.35	0.000	-.1372202	-.0636704
Fair	-.2541906	.0277972	-9.14	0.000	-.3086767	-.1997046
Poor	-.3995893	.0534161	-7.48	0.000	-.5042915	-.2948871
_cons	7.217982	.0654648	110.26	0.000	7.089663	7.346301

. rvfplot

. estat ovtest

Ramsey RESET test using powers of the fitted values of lnwages

Ho: model has no omitted variables

F(3, 14738) = 14.40

Prob > F = 0.0000

. linktest

Source	SS	df	MS	Number of obs =	14762
Model	4461.11231	2	2230.55616	F( 2, 14759) =	3266.75
Residual	10077.5231	14759	.682805278	Prob > F =	0.0000
Total	14538.6354	14761	.984935669	R-squared =	0.3068
				Adj R-squared =	0.3068
				Root MSE =	.82632

lnwages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
_hat	2.240311	.3423014	6.54	0.000	1.569357 2.911264
_hatsq	-.0629024	.0173485	-3.63	0.000	-.0969076 -.0288972
_cons	-6.094752	1.685444	-3.62	0.000	-9.398433 -2.791071

. estat hettest

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity

Ho: Constant variance

Variables: fitted values of lnwages

```
chi2(1)      = 327.31
Prob > chi2   = 0.0000
```

```
.
. reg lnwages age agesq female i.race i.education msa i.region i.healthstatus if age08x>17 &
> wages > 0, robust
```

Linear regression

```
Number of obs = 14762
F( 20, 14741) = 305.34
Prob > F       = 0.0000
R-squared      = 0.3062
Root MSE      = .82719
```

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age	.111819	.0029267	38.21	0.000	.1060822	.1175558
agesq	-.0011231	.0000333	-33.72	0.000	-.0011884	-.0010578
female	-.2549684	.0137313	-18.57	0.000	-.2818834	-.2280535
race						
Black	-.1779442	.0201128	-8.85	0.000	-.2173677	-.1385207
Hispanic	-.0731087	.0192133	-3.81	0.000	-.1107692	-.0354482
Asian	-.0716333	.0294127	-2.44	0.015	-.1292858	-.0139808
Other	-.1108497	.0502684	-2.21	0.027	-.209382	-.0123174
education						
Some High	-.0053227	.032081	-0.17	0.868	-.0682055	.0575601
High School/GED	.3294355	.0288307	11.43	0.000	.2729237	.3859473
Some College/Tech Scho..	.474558	.0311748	15.22	0.000	.4134514	.5356646
College	.8727789	.0315582	27.66	0.000	.8109209	.934637
Advanced Degree	1.000223	.0357051	28.01	0.000	.9302362	1.070209
msa	.1093024	.0209348	5.22	0.000	.0682676	.1503371
region						
South	-.046428	.0204452	-2.27	0.023	-.0865032	-.0063528
Midwest	-.0392333	.0236174	-1.66	0.097	-.0855264	.0070597
West	.0186769	.0219198	0.85	0.394	-.0242887	.0616425
healthstatus						

Very Good	-.0098539	.017652	-0.56	0.577	-.044454	.0247462
Good	-.1004453	.0184943	-5.43	0.000	-.1366965	-.0641941
Fair	-.2541906	.0298357	-8.52	0.000	-.3126723	-.1957089
Poor	-.3995893	.0620704	-6.44	0.000	-.5212551	-.2779235
_cons	7.217982	.072215	99.95	0.000	7.076431	7.359532

```
.
. reg lnwages age1-age6 female i.race i.education msa i.region i.healthstatus if age08x>17 &
> wages > 0, robust
```

Linear regression

Number of obs = 14762  
F( 24, 14737) = 268.18  
Prob > F = 0.0000  
R-squared = 0.3194  
Root MSE = .81943

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age1	.179314	.0075524	23.74	0.000	.1645103	.1941176
age2	-.154367	.0082289	-18.76	0.000	-.1704967	-.1382373
age3	-.0316411	.0024185	-13.08	0.000	-.0363816	-.0269007
age4	-.2725644	.0672389	-4.05	0.000	-.404361	-.1407679
age5	.2439514	.0755689	3.23	0.001	.0958269	.3920759
age6	.0358313	.0221336	1.62	0.105	-.0075532	.0792158
female	-.2491782	.0136251	-18.29	0.000	-.2758851	-.2224714
race						
Black	-.1807056	.0199919	-9.04	0.000	-.2198923	-.141519
Hispanic	-.0942848	.0191207	-4.93	0.000	-.1317637	-.056806
Asian	-.0732809	.0287559	-2.55	0.011	-.129646	-.0169159
Other	-.1025259	.0498138	-2.06	0.040	-.2001672	-.0048847
education						
Some High	.0654193	.0319416	2.05	0.041	.0028098	.1280287
High School/GED	.3189299	.0285812	11.16	0.000	.2629073	.3749526
Some College/Tech Scho..	.4492108	.0309681	14.51	0.000	.3885094	.5099122
College	.8343723	.0314577	26.52	0.000	.7727113	.8960334
Advanced Degree	.9791394	.0356799	27.44	0.000	.9092024	1.049076

msa	.1050436	.0208273	5.04	0.000	.0642194	.1458678
region						
South	-.0471085	.0202877	-2.32	0.020	-.0868748	-.0073421
Midwest	-.0379154	.0234308	-1.62	0.106	-.0838427	.0080119
West	.0192192	.0217118	0.89	0.376	-.0233387	.0617771
healthstatus						
Very Good	-.0156859	.017435	-0.90	0.368	-.0498607	.0184889
Good	-.1073096	.0183157	-5.86	0.000	-.1432108	-.0714085
Fair	-.2690309	.0295592	-9.10	0.000	-.3269707	-.2110912
Poor	-.4255002	.0618607	-6.88	0.000	-.5467548	-.3042455
_cons	5.209809	.1752159	29.73	0.000	4.866364	5.553254

```
.
. reg lnwages age1-age6 i.race i.education msa i.region i.healthstatus if age08x>17 & female
> == 0 & wages > 0, robust
```

Linear regression

Number of obs = 7472  
F( 23, 7448) = 127.10  
Prob > F = 0.0000  
R-squared = 0.2974  
Root MSE = .81297

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age1	.2013654	.0106742	18.86	0.000	.180441	.2222898
age2	-.1768068	.0115644	-15.29	0.000	-.1994762	-.1541374
age3	-.0340759	.0033436	-10.19	0.000	-.0406303	-.0275214
age4	-.1792188	.0954034	-1.88	0.060	-.3662364	.0077987
age5	.1464648	.1082238	1.35	0.176	-.0656844	.3586139
age6	.0398932	.0346879	1.15	0.250	-.0281049	.1078913
race						
Black	-.2467336	.029966	-8.23	0.000	-.3054755	-.1879916
Hispanic	-.0908205	.025942	-3.50	0.000	-.1416741	-.039967
Asian	-.0827207	.0406708	-2.03	0.042	-.1624471	-.0029944
Other	-.1980141	.0705347	-2.81	0.005	-.336282	-.0597462

education						
Some High	.1038178	.0410957	2.53	0.012	.0232586	.1843769
High School/GED	.2946474	.037213	7.92	0.000	.2216995	.3675954
Some College/Tech Scho..	.412197	.0407567	10.11	0.000	.3323024	.4920916
College	.7509625	.0417373	17.99	0.000	.6691457	.8327794
Advanced Degree	.8445165	.0480226	17.59	0.000	.7503787	.9386542
msa	.0893354	.0298783	2.99	0.003	.0307654	.1479053
region						
South	-.043997	.027711	-1.59	0.112	-.0983184	.0103244
Midwest	-.0352855	.0324531	-1.09	0.277	-.0989028	.0283318
West	.0045111	.0296327	0.15	0.879	-.0535774	.0625996
healthstatus						
Very Good	-.0048469	.0241767	-0.20	0.841	-.0522401	.0425463
Good	-.1106111	.0253965	-4.36	0.000	-.1603955	-.0608268
Fair	-.2744475	.0437878	-6.27	0.000	-.3602839	-.1886111
Poor	-.4948394	.0874729	-5.66	0.000	-.666311	-.3233677
_cons	4.764838	.2479363	19.22	0.000	4.278813	5.250864

```

.
. reg lnwages age1-age6 i.race i.education msa i.region i.healthstatus if age08x>17 & female
> == 1 & wages > 0, robust

```

Linear regression

Number of obs = 7290  
F( 23, 7266) = 147.45  
Prob > F = 0.0000  
R-squared = 0.3286  
Root MSE = .82281

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age1	.1533284	.0106689	14.37	0.000	.1324142	.1742426
age2	-.1273942	.0116884	-10.90	0.000	-.150307	-.1044815
age3	-.0295443	.0034903	-8.46	0.000	-.0363864	-.0227023
age4	-.3653569	.0942743	-3.88	0.000	-.550162	-.1805518
age5	.3424133	.1050173	3.26	0.001	.1365489	.5482778
age6	.0287114	.0280016	1.03	0.305	-.0261798	.0836027



-----						
race						
Black	-.1240479	.0267987	-4.63	0.000	-.1765812	-.0715146
Hispanic	-.1062535	.0281355	-3.78	0.000	-.1614072	-.0510999
Asian	-.0540961	.0407065	-1.33	0.184	-.1338927	.0257005
Other	.0025894	.069638	0.04	0.970	-.1339214	.1391002
education						
Some High	.0311079	.0505027	0.62	0.538	-.0678921	.1301078
High School/GED	.3635905	.0448813	8.10	0.000	.2756102	.4515708
Some College/Tech Scho..	.5093371	.0480025	10.61	0.000	.4152383	.6034359
College	.9418468	.0484327	19.45	0.000	.8469048	1.036789
Advanced Degree	1.134108	.0535808	21.17	0.000	1.029074	1.239142
msa	.1243462	.0289697	4.29	0.000	.0675571	.1811353
region						
South	-.0504848	.0294222	-1.72	0.086	-.1081609	.0071913
Midwest	-.0433659	.0336507	-1.29	0.198	-.109331	.0225993
West	.0377723	.0315579	1.20	0.231	-.0240904	.0996349
healthstatus						
Very Good	-.0272772	.0251031	-1.09	0.277	-.0764865	.0219322
Good	-.0993263	.0263867	-3.76	0.000	-.1510519	-.0476008
Fair	-.2530774	.0404405	-6.26	0.000	-.3323524	-.1738023
Poor	-.3604149	.0872549	-4.13	0.000	-.5314599	-.1893698
_cons	5.459618	.246315	22.17	0.000	4.976769	5.942466
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. do "/var/folders/33/6k2hslfx3dggf37z68mv2g040000gq/T//SD00740.000000"

. reg wages age agesq female i.race i.education msa i.region i.healthstatus if age08x>17 & w  
> ages > 0

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Residual	5.5405e+12	14741	375855004	R-squared	= 0.3312
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Total | 8.2842e+12 14761 561220486 Root MSE = 19387

	wages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
	age	2104.517	58.00955	36.28	0.000	1990.811	2218.223
	agesq	-20.97975	.6395985	-32.80	0.000	-22.23344	-19.72606
	female	-6576.349	321.4973	-20.46	0.000	-7206.524	-5946.174
	race						
	Black	-4931.194	462.5926	-10.66	0.000	-5837.934	-4024.455
	Hispanic	-4115.937	445.0568	-9.25	0.000	-4988.304	-3243.57
	Asian	-675.5581	688.1842	-0.98	0.326	-2024.485	673.3689
	Other	-3143.696	1105.059	-2.84	0.004	-5309.749	-977.6429
	education						
	Some High	2579.076	760.7606	3.39	0.001	1087.891	4070.262
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	msa	3611.617	483.9424	7.46	0.000	2663.03	4560.205
	region						
	South	-1076.931	488.3859	-2.21	0.027	-2034.228	-119.6333
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	healthstatus						
	Very Good	-535.0051	420.2906	-1.27	0.203	-1358.827	288.817
	Good	-2855.088	439.7147	-6.49	0.000	-3716.984	-1993.192
	Fair	-6090.048	651.4859	-9.35	0.000	-7367.042	-4813.055
	Poor	-8187.529	1251.917	-6.54	0.000	-10641.44	-5733.616
	_cons	-23930.47	1534.303	-15.60	0.000	-26937.9	-20923.05

. rvfplot

. estat ovtest

Ramsey RESET test using powers of the fitted values of wages

Ho: model has no omitted variables  
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 Prob > F = 0.0000

. linktest

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Model	2.7652e+12	2	1.3826e+12	F( 2, 14759) =	3697.47
Residual	5.5189e+12	14759	373937042	Prob > F =	0.0000
Total	8.2842e+12	14761	561220486	R-squared =	0.3338
				Adj R-squared =	0.3337
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_hatsq	5.31e-06	6.99e-07	7.59	0.000	3.94e-06 6.68e-06
_cons	4304.168	685.5331	6.28	0.000	2960.437 5647.898

. estat hettest

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity

Ho: Constant variance

Variables: fitted values of wages

chi2(1) = 2491.75  
 Prob > chi2 = 0.0000

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 . reg lnwages age agesq female i.race i.education msa i.region i.healthstatus if age08x>17 &  
 > wages > 0

Source	SS	df	MS	Number of obs =	14762
Model	4452.1358	20	222.60679	F( 20, 14741) =	325.33
Residual	10086.4996	14741	.684247989	Prob > F =	0.0000
Total	14538.6354	14761	.984935669	R-squared =	0.3062
				Adj R-squared =	0.3053
				Root MSE =	.82719

lnwages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
---------	-------	-----------	---	------	----------------------

age	.111819	.0024751	45.18	0.000	.1069675	.1166705
agesq	-.0011231	.0000273	-41.15	0.000	-.0011766	-.0010696
female	-.2549684	.0137175	-18.59	0.000	-.2818564	-.2280805
race						
Black	-.1779442	.0197376	-9.02	0.000	-.2166325	-.139256
Hispanic	-.0731087	.0189894	-3.85	0.000	-.1103303	-.035887
Asian	-.0716333	.0293631	-2.44	0.015	-.1291886	-.0140781
Other	-.1108497	.04715	-2.35	0.019	-.2032697	-.0184298
education						
Some High	-.0053227	.0324597	-0.16	0.870	-.0689478	.0583024
High School/GED	.3294355	.0294047	11.20	0.000	.2717986	.3870724
Some College/Tech Scho..	.474558	.03178	14.93	0.000	.4122653	.5368507
College	.8727789	.0325936	26.78	0.000	.8088913	.9366665
Advanced Degree	1.000223	.0371043	26.96	0.000	.9274936	1.072952
msa	.1093024	.0206486	5.29	0.000	.0688286	.1497762
region						
South	-.046428	.0208382	-2.23	0.026	-.0872734	-.0055826
Midwest	-.0392333	.0234388	-1.67	0.094	-.0851763	.0067096
West	.0186769	.0221745	0.84	0.400	-.0247878	.0621416
healthstatus						
Very Good	-.0098539	.0179327	-0.55	0.583	-.0450043	.0252965
Good	-.1004453	.0187615	-5.35	0.000	-.1372202	-.0636704
Fair	-.2541906	.0277972	-9.14	0.000	-.3086767	-.1997046
Poor	-.3995893	.0534161	-7.48	0.000	-.5042915	-.2948871
_cons	7.217982	.0654648	110.26	0.000	7.089663	7.346301

. rvfplot

. estat ovtest

Ramsey RESET test using powers of the fitted values of lnwages

Ho: model has no omitted variables

F(3, 14738) = 14.40

Prob > F = 0.0000

```
. linktest
```

Source	SS	df	MS	Number of obs =	14762
Model	4461.11231	2	2230.55616	F( 2, 14759) =	3266.75
Residual	10077.5231	14759	.682805278	Prob > F =	0.0000
				R-squared =	0.3068
				Adj R-squared =	0.3068
Total	14538.6354	14761	.984935669	Root MSE =	.82632

lnwages	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
_hat	2.240311	.3423014	6.54	0.000	1.569357	2.911264
_hatsq	-.0629024	.0173485	-3.63	0.000	-.0969076	-.0288972
_cons	-6.094752	1.685444	-3.62	0.000	-9.398433	-2.791071

```
. estat hettest
```

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity

Ho: Constant variance

Variables: fitted values of lnwages

chi2(1) = 327.31

Prob > chi2 = 0.0000

```
.
. reg lnwages age agesq female i.race i.education msa i.region i.healthstatus if age08x>17 &
> wages > 0, robust
```

Linear regression

Number of obs = 14762  
F( 20, 14741) = 305.34  
Prob > F = 0.0000  
R-squared = 0.3062  
Root MSE = .82719

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age	.111819	.0029267	38.21	0.000	.1060822	.1175558
agesq	-.0011231	.0000333	-33.72	0.000	-.0011884	-.0010578
female	-.2549684	.0137313	-18.57	0.000	-.2818834	-.2280535

race						
Black	-.1779442	.0201128	-8.85	0.000	-.2173677	-.1385207
Hispanic	-.0731087	.0192133	-3.81	0.000	-.1107692	-.0354482
Asian	-.0716333	.0294127	-2.44	0.015	-.1292858	-.0139808
Other	-.1108497	.0502684	-2.21	0.027	-.209382	-.0123174
education						
Some High	-.0053227	.032081	-0.17	0.868	-.0682055	.0575601
High School/GED	.3294355	.0288307	11.43	0.000	.2729237	.3859473
Some College/Tech Scho..	.474558	.0311748	15.22	0.000	.4134514	.5356646
College	.8727789	.0315582	27.66	0.000	.8109209	.934637
Advanced Degree	1.000223	.0357051	28.01	0.000	.9302362	1.070209
msa	.1093024	.0209348	5.22	0.000	.0682676	.1503371
region						
South	-.046428	.0204452	-2.27	0.023	-.0865032	-.0063528
Midwest	-.0392333	.0236174	-1.66	0.097	-.0855264	.0070597
West	.0186769	.0219198	0.85	0.394	-.0242887	.0616425
healthstatus						
Very Good	-.0098539	.017652	-0.56	0.577	-.044454	.0247462
Good	-.1004453	.0184943	-5.43	0.000	-.1366965	-.0641941
Fair	-.2541906	.0298357	-8.52	0.000	-.3126723	-.1957089
Poor	-.3995893	.0620704	-6.44	0.000	-.5212551	-.2779235
_cons	7.217982	.072215	99.95	0.000	7.076431	7.359532

```
.
. reg lnwages age1-age6 female i.race i.education msa i.region i.healthstatus if age08x>17 &
> wages > 0, robust
```

Linear regression

Number of obs = 14762  
F( 24, 14737) = 268.18  
Prob > F = 0.0000  
R-squared = 0.3194  
Root MSE = .81943

---

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
---------	-------	---------------------	---	------	----------------------

age1	.179314	.0075524	23.74	0.000	.1645103	.1941176
age2	-.154367	.0082289	-18.76	0.000	-.1704967	-.1382373
age3	-.0316411	.0024185	-13.08	0.000	-.0363816	-.0269007
age4	-.2725644	.0672389	-4.05	0.000	-.404361	-.1407679
age5	.2439514	.0755689	3.23	0.001	.0958269	.3920759
age6	.0358313	.0221336	1.62	0.105	-.0075532	.0792158
female	-.2491782	.0136251	-18.29	0.000	-.2758851	-.2224714
race						
Black	-.1807056	.0199919	-9.04	0.000	-.2198923	-.141519
Hispanic	-.0942848	.0191207	-4.93	0.000	-.1317637	-.056806
Asian	-.0732809	.0287559	-2.55	0.011	-.129646	-.0169159
Other	-.1025259	.0498138	-2.06	0.040	-.2001672	-.0048847
education						
Some High	.0654193	.0319416	2.05	0.041	.0028098	.1280287
High School/GED	.3189299	.0285812	11.16	0.000	.2629073	.3749526
Some College/Tech Scho..	.4492108	.0309681	14.51	0.000	.3885094	.5099122
College	.8343723	.0314577	26.52	0.000	.7727113	.8960334
Advanced Degree	.9791394	.0356799	27.44	0.000	.9092024	1.049076
msa	.1050436	.0208273	5.04	0.000	.0642194	.1458678
region						
South	-.0471085	.0202877	-2.32	0.020	-.0868748	-.0073421
Midwest	-.0379154	.0234308	-1.62	0.106	-.0838427	.0080119
West	.0192192	.0217118	0.89	0.376	-.0233387	.0617771
healthstatus						
Very Good	-.0156859	.017435	-0.90	0.368	-.0498607	.0184889
Good	-.1073096	.0183157	-5.86	0.000	-.1432108	-.0714085
Fair	-.2690309	.0295592	-9.10	0.000	-.3269707	-.2110912
Poor	-.4255002	.0618607	-6.88	0.000	-.5467548	-.3042455
_cons	5.209809	.1752159	29.73	0.000	4.866364	5.553254

```

.
. reg lnwages age1-age6 i.race i.education msa i.region i.healthstatus if age08x>17 & female
> == 0 & wages > 0, robust

```

Linear regression

Number of obs = 7472

F( 23, 7448) = 127.10  
 Prob > F = 0.0000  
 R-squared = 0.2974  
 Root MSE = .81297

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age1	.2013654	.0106742	18.86	0.000	.180441	.2222898
age2	-.1768068	.0115644	-15.29	0.000	-.1994762	-.1541374
age3	-.0340759	.0033436	-10.19	0.000	-.0406303	-.0275214
age4	-.1792188	.0954034	-1.88	0.060	-.3662364	.0077987
age5	.1464648	.1082238	1.35	0.176	-.0656844	.3586139
age6	.0398932	.0346879	1.15	0.250	-.0281049	.1078913
race						
Black	-.2467336	.029966	-8.23	0.000	-.3054755	-.1879916
Hispanic	-.0908205	.025942	-3.50	0.000	-.1416741	-.039967
Asian	-.0827207	.0406708	-2.03	0.042	-.1624471	-.0029944
Other	-.1980141	.0705347	-2.81	0.005	-.336282	-.0597462
education						
Some High	.1038178	.0410957	2.53	0.012	.0232586	.1843769
High School/GED	.2946474	.037213	7.92	0.000	.2216995	.3675954
Some College/Tech Scho..	.412197	.0407567	10.11	0.000	.3323024	.4920916
College	.7509625	.0417373	17.99	0.000	.6691457	.8327794
Advanced Degree	.8445165	.0480226	17.59	0.000	.7503787	.9386542
msa	.0893354	.0298783	2.99	0.003	.0307654	.1479053
region						
South	-.043997	.027711	-1.59	0.112	-.0983184	.0103244
Midwest	-.0352855	.0324531	-1.09	0.277	-.0989028	.0283318
West	.0045111	.0296327	0.15	0.879	-.0535774	.0625996
healthstatus						
Very Good	-.0048469	.0241767	-0.20	0.841	-.0522401	.0425463
Good	-.1106111	.0253965	-4.36	0.000	-.1603955	-.0608268
Fair	-.2744475	.0437878	-6.27	0.000	-.3602839	-.1886111
Poor	-.4948394	.0874729	-5.66	0.000	-.666311	-.3233677
_cons	4.764838	.2479363	19.22	0.000	4.278813	5.250864



```

.
. reg lnwages age1-age6 i.race i.education msa i.region i.healthstatus if age08x>17 & female
> == 1 & wages > 0, robust

```

Linear regression

Number of obs = 7290  
 F( 23, 7266) = 147.45  
 Prob > F = 0.0000  
 R-squared = 0.3286  
 Root MSE = .82281

lnwages	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age1	.1533284	.0106689	14.37	0.000	.1324142	.1742426
age2	-.1273942	.0116884	-10.90	0.000	-.150307	-.1044815
age3	-.0295443	.0034903	-8.46	0.000	-.0363864	-.0227023
age4	-.3653569	.0942743	-3.88	0.000	-.550162	-.1805518
age5	.3424133	.1050173	3.26	0.001	.1365489	.5482778
age6	.0287114	.0280016	1.03	0.305	-.0261798	.0836027
race						
Black	-.1240479	.0267987	-4.63	0.000	-.1765812	-.0715146
Hispanic	-.1062535	.0281355	-3.78	0.000	-.1614072	-.0510999
Asian	-.0540961	.0407065	-1.33	0.184	-.1338927	.0257005
Other	.0025894	.069638	0.04	0.970	-.1339214	.1391002
education						
Some High	.0311079	.0505027	0.62	0.538	-.0678921	.1301078
High School/GED	.3635905	.0448813	8.10	0.000	.2756102	.4515708
Some College/Tech Scho..	.5093371	.0480025	10.61	0.000	.4152383	.6034359
College	.9418468	.0484327	19.45	0.000	.8469048	1.036789
Advanced Degree	1.134108	.0535808	21.17	0.000	1.029074	1.239142
msa	.1243462	.0289697	4.29	0.000	.0675571	.1811353
region						
South	-.0504848	.0294222	-1.72	0.086	-.1081609	.0071913
Midwest	-.0433659	.0336507	-1.29	0.198	-.109331	.0225993
West	.0377723	.0315579	1.20	0.231	-.0240904	.0996349

healthstatus						
Very Good	-.0272772	.0251031	-1.09	0.277	-.0764865	.0219322
Good	-.0993263	.0263867	-3.76	0.000	-.1510519	-.0476008
Fair	-.2530774	.0404405	-6.26	0.000	-.3323524	-.1738023
Poor	-.3604149	.0872549	-4.13	0.000	-.5314599	-.1893698
_cons	5.459618	.246315	22.17	0.000	4.976769	5.942466

.  
end of do-file

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 > R/Data/Lecture 3 Example.log  
 log type: text  
 closed on: 7 Sep 2015, 20:24:17