

```

1 .
2 . * Robert A. Yaffee Aug 17 2012
3 .
4 . set linesize 80

5 .
6 . des fdferw1 cumdose1 cumdose2 cumdose3 crhrw1 crhrw2 crhrw3 ///
> medcow1 medcow2 medcow3 ///
> age injselfr depagw1 depagw2 depagw3 BSIdcp anxagw1 anxagw2 anxagw3 BSIdcp
> x BSIdposymp ///
> illw1 illw2 illw3 whpsleep whpel whppa

```

variable name	storage type	display format	value label	variable label
fdferw1	byte	%8.0g		* Level (in %) of fear of eating radioactively contaminated food in 1986
cumdose1	float	%9.0g		cumulative external dose in mGys in wave 1
cumdose2	float	%9.0g		cumulative external dose in mGys in wave 2
cumdose3	float	%9.0g		cumulative external dose in mGys in wave 3
crhrw1	float	%9.0g		Chornobyl related health risk: wave 1 alpha = .796
crhrw2	float	%9.0g		Chornobyl related health risk: wave 2 alpha = .822
crhrw3	float	%9.0g		Chornobyl related health risk: wave 3 alpha = .834
medcow1	byte	%8.0g		number of medical visits for a medical condition per year 1976-1986
medcow2	byte	%8.0g		number of medical visits for a medical condition per year 1987-1996
medcow3	byte	%8.0g		number of medical visits for a medical condition per year 1997-now
age	byte	%8.0g		* Respondent's age
injselfr	byte	%9.0g	dum	Were u injured because of Chornobyl acc in 1986?
depagw1	byte	%9.0g		Depression aggregated to wave 1 in 1986
depagw2	double	%9.0g		Depression aggregated to wave 2: 1987 thru 1996
depagw3	double	%9.0g		Depression aggregated to wave three:1997 thru 2009
BSIdcp	byte	%9.0g		Brief symptom inventory

Depression Subscale Score		
anxagw1	byte	%9.0g
anxagw2	double	%9.0g
anxagw3	double	%9.0g
BSIanx	byte	%9.0g
BSIposymp	int	%9.0g
illw1	byte	%8.0g
illw2	byte	%8.0g
illw3	byte	%8.0g
whpsleep	float	%9.0g
whpel	float	%9.0g
whppa	float	%9.0g

```

7 .
8 .
9 .
10 . title "Female OLS path OLS regression submodels for depanxfV4.stsem"

```

```
*****
> *
*****
> *
*****
> *
*****
> *
Female OLS path OLS regression submodels for depanxfV4.stsem
> *
*****
> *
*****
> *
*****
17 Aug 2012      11:18:17
> *
*****
> *
*****
> *
```

```

11 .
12 . regress depagw1 illw1 anxagw1 cumdose1 if gender==2

```

Source	SS	df	MS	Number of obs =	363
Model	114390.736	3	38130.2452	F(3, 359) =	79.14
Residual	172975.105	359	481.824804	Prob > F =	0.0000
				R-squared =	0.3981
				Adj R-squared =	0.3930
Total	287365.84	362	793.828288	Root MSE =	21.951

depagw1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illw1	9.795566	2.38616	4.11	0.000	5.102958	14.48817
anxagw1	.4165397	.0344442	12.09	0.000	.3488018	.4842775
cumdose1	6.966692	2.159442	3.23	0.001	2.719946	11.21344
_cons	-.8195817	1.491382	-0.55	0.583	-3.752524	2.11336

```

13 . cap predict f`e(depvar)', xb
14 . matrix define r2f1 = (e(r2), e(r2_a))
15 . regress depagw2 depagw1 illw1 anxagw2 anxagw1 if gender==2

```

Source	SS	df	MS	Number of obs =	363
Model	71645.5698	4	17911.3924	F(4, 358) =	99.73
Residual	64294.1369	358	179.592561	Prob > F =	0.0000
				R-squared =	0.5270
				Adj R-squared =	0.5218
Total	135939.707	362	375.524052	Root MSE =	13.401

depagw2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw1	.3313238	.0317714	10.43	0.000	.2688418	.3938057
illw1	4.660978	1.490777	3.13	0.002	1.729197	7.592759
anxagw2	.4900958	.0353518	13.86	0.000	.4205725	.5596191
anxagw1	-.1488352	.0270321	-5.51	0.000	-.2019969	-.0956735
_cons	2.464726	.8655501	2.85	0.005	.7625248	4.166928

```

16 .      cap predict f`e(depvar)', xb
17 .      matrix define r2f2 = (e(r2), e(r2_a))
18 . regress BSIanx depagw1 illw2 illw3 depagw3 anxagw1 cumdose2 cumdose3 if gend
    > er==2

```

Source	SS	df	MS	Number of obs =	363
Model	1748.32401	7	249.760573	F(7, 355) =	28.70
Residual	3089.49968	355	8.70281599	Prob > F =	0.0000
				R-squared =	0.3614
				Adj R-squared =	0.3488
Total	4837.82369	362	13.3641538	Root MSE =	2.9501

BSIanx	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw1	.0188273	.0072975	2.58	0.010	.0044755	.0331791
illw2	.8664044	.1926386	4.50	0.000	.487548	1.245261
illw3	.5179297	.1568486	3.30	0.001	.2094606	.8263989
depagw3	.0351564	.0092321	3.81	0.000	.0169998	.0533129
anxagw1	.0177327	.0055458	3.20	0.002	.006826	.0286394
cumdose2	.9712158	.6817009	1.42	0.155	-.3694641	2.311896
cumdose3	-.6378511	.5376279	-1.19	0.236	-1.695187	.4194849
_cons	7.047007	.223407	31.54	0.000	6.607639	7.486374

```

19 .      cap predict f`e(depvar)', xb
20 .      matrix define r2f3 = (e(r2), e(r2_a))
21 .
22 . regress medcow3 depagw1 anxagw2 medcow2 fdferw1 cumdose3 if gender==2

```

Source	SS	df	MS	Number of obs =	361
Model	4016.38441	5	803.276881	F(5, 355) =	51.97
Residual	5487.33859	355	15.4572918	Prob > F =	0.0000
				R-squared =	0.4226
				Adj R-squared =	0.4145
Total	9503.72299	360	26.3992305	Root MSE =	3.9316

medcow3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw1	.0186489	.0078267	2.38	0.018	.0032564	.0340414
anxagw2	.0317122	.0096386	3.29	0.001	.0127563	.0506682
medcow2	.4382569	.0297576	14.73	0.000	.3797336	.4967803
fdferw1	-.012636	.0056571	-2.23	0.026	-.0237617	-.0015103
cumdose3	-.2796888	.1206918	-2.32	0.021	-.5170496	-.042328
_cons	2.519942	.3284792	7.67	0.000	1.873932	3.165952

23 . cap predict f`e(depvar)', xb

24 . matrix define r2f4 = (e(r2), e(r2_a))

25 . regress illw2 depagw2 crhrw2 crhrw1 medcow1 cumdose2 if gender==2

Source	SS	df	MS	Number of obs = 362	
Model	65.0043511	5	13.0008702	F(5, 356) =	21.15
Residual	218.840953	356	.614721778	Prob > F =	0.0000
Total	283.845304	361	.78627508	R-squared =	0.2290
				Adj R-squared =	0.2182
				Root MSE =	.78404

illw2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw2	.0124707	.0022608	5.52	0.000	.0080244	.0169169
crhrw2	.375194	.0684881	5.48	0.000	.2405019	.5098862
crhrw1	-.2537145	.064136	-3.96	0.000	-.3798475	-.1275816
medcow1	-.0163469	.0104544	-1.56	0.119	-.0369071	.0042133
cumdose2	.0870582	.0303006	2.87	0.004	.0274675	.1466489
_cons	.2259696	.0588477	3.84	0.000	.1102367	.3417026

26 . cap predict f`e(depvar)', xb

```

27 .      matrix define r2f5 = (e(r2), e(r2_a))
28 .
29 . regress crhrw2 depagw2 illw1 crhrw1 fdferw1 injselfr cumdose2 if gender==2

```

Source	SS	df	MS	Number of obs =	362
Model	167.644446	6	27.9407411	F(6, 355) =	92.70
Residual	107.003628	355	.301418671	Prob > F =	0.0000
				R-squared =	0.6104
				Adj R-squared =	0.6038
Total	274.648074	361	.76079799	Root MSE =	.54902

crhrw2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw2	.0061225	.0015827	3.87	0.000	.0030099	.0092351
illw1	.1859646	.061753	3.01	0.003	.0645169	.3074123
crhrw1	.5646332	.0335947	16.81	0.000	.4985635	.6307029
fdferw1	.0025394	.0007948	3.20	0.002	.0009764	.0041024
injselfr	.4726997	.0682615	6.92	0.000	.338452	.6069475
cumdose2	.0414389	.0211986	1.95	0.051	-.0002517	.0831294
_cons	-.4538531	.0589766	-7.70	0.000	-.5698405	-.3378657

```

30 .      cap predict f`e(depvar)', xb
31 .      matrix define r2f6 = (e(r2), e(r2_a))
32 .
33 . regress crhrw3 depagw2 medcow3 crhrw2 anxagw3 illw3 medcow2 anxagw1 fdferw1
> ///
>      injselfr if gender==2

```

Source	SS	df	MS	Number of obs =	361
Model	261.683205	9	29.0759117	F(9, 351) =	429.30
Residual	23.772992	351	.067729322	Prob > F =	0.0000
				R-squared =	0.9167
				Adj R-squared =	0.9146
Total	285.456197	360	.792933881	Root MSE =	.26025

crhrw3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw2	.002699	.0009422	2.86	0.004	.0008459	.0045521
medcow3	.0085542	.0035587	2.40	0.017	.0015551	.0155533
crhrw2	.9219339	.0190146	48.49	0.000	.884537	.9593308
anxagw3	.0014444	.0008131	1.78	0.077	-.0001547	.0030435
illw3	.0585427	.0127045	4.61	0.000	.0335562	.0835293
medcow2	-.0077953	.0025551	-3.05	0.002	-.0128206	-.00277
anxagw1	-.0016451	.0004376	-3.76	0.000	-.0025057	-.0007845
fdferw1	.0007071	.0003918	1.80	0.072	-.0000634	.0014776
injselfr	.1362453	.0348493	3.91	0.000	.0677055	.204785
_cons	-.16271	.0300948	-5.41	0.000	-.2218989	-.1035211

```

34 .      cap predict f`e(depvar)', xb

35 .      matrix define r2f7 = (e(r2), e(r2_a))

36 .

37 . regress anxagw3 depagw2 illw3 anxagw2 fdferw1 cumdose3 if gender==2

```

Source	SS	df	MS	Number of obs = 363	
Model	136493.009	5	27298.6018	F(5, 357) =	160.57
Residual	60693.9809	357	170.011151	Prob > F =	0.0000
Total	197186.99	362	544.715441	R-squared =	0.6922
				Adj R-squared =	0.6879
				Root MSE =	13.039

anxagw3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
depagw2	.2873112	.0446902	6.43	0.000	.1994221	.3752003
illw3	2.682921	.6271729	4.28	0.000	1.449503	3.916339
anxagw2	.6377637	.0379984	16.78	0.000	.5630349	.7124926
fdferw1	.040418	.0186046	2.17	0.030	.0038296	.0770063
cumdose3	-1.359934	.4022478	-3.38	0.001	-2.151007	-.5688606
_cons	2.279658	1.093136	2.09	0.038	.1298621	4.429454

```

38 .      cap predict f`e(depvar)', xb
39 .      matrix define r2f8 = (e(r2), e(r2_a))
40 .
41 . regress BSIddep crhrw3 BSIpasymp anxagw2 if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	3475.14941	3	1158.38314	F(3, 359) = 251.61		
Residual	1652.80651	359	4.60391785	Prob > F = 0.0000		
Total	5127.95592	362	14.1656241	R-squared = 0.6777		
				Adj R-squared = 0.6750		
				Root MSE = 2.1457		

BSIddep	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
crhrw3	.2520296	.136792	1.84	0.066	-.0169848	.5210439
BSIpasymp	.1102788	.0043815	25.17	0.000	.1016621	.1188955
anxagw2	-.0166141	.0052943	-3.14	0.002	-.0270259	-.0062023
_cons	.26495	.3804042	0.70	0.487	-.4831506	1.013051

```

42 .      cap predict f`e(depvar)', xb
43 .      matrix define r2f9 = (e(r2), e(r2_a))
44 .
45 . regress BSIpasymp BSIanx illw2 BSIddep medcow1 fdferw1 injselfr if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	245067.19	6	40844.5317	F(6, 356) = 351.45		
Residual	41373.5427	356	116.217817	Prob > F = 0.0000		
Total	286440.733	362	791.272742	R-squared = 0.8556		
				Adj R-squared = 0.8531		
				Root MSE = 10.78		

BSIpasymp	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
BSIanx	3.712448	.1999332	18.57	0.000	3.31925	4.105647
illw2	2.087229	.7033331	2.97	0.003	.7040186	3.470439
BSIddep	3.644904	.189855	19.20	0.000	3.271526	4.018282
medcow1	.4238784	.1406373	3.01	0.003	.1472942	.7004627
fdferw1	.0361924	.0154856	2.34	0.020	.0057376	.0666472
injselfr	3.556274	1.311959	2.71	0.007	.9761091	6.136439
_cons	12.19718	1.810627	6.74	0.000	8.636312	15.75805


```

46 .      cap predict f`e(depvar)', xb
47 .      matrix define r2f10 = (e(r2), e(r2_a))
48 .
49 . regress whpsleep medcow3 anxagw3 BSIddep BSIpasymp whppa if gender==2

```

Source	SS	df	MS	Number of obs = 361		
Model	157726.589	5	31545.3177	F(5, 355) = 59.66		
Residual	187712.021	355	528.766255	Prob > F = 0.0000		
				R-squared = 0.4566		
				Adj R-squared = 0.4489		
Total	345438.609	360	959.551692	Root MSE = 22.995		

whpsleep	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
medcow3	.6975853	.2478355	2.81	0.005	.2101748	1.184996
anxagw3	-.0913998	.0563866	-1.62	0.106	-.2022935	.0194939
BSIddep	-1.244408	.5676268	-2.19	0.029	-2.360742	-.1280736
BSIpasymp	.6230309	.0817046	7.63	0.000	.4623449	.7837169
whppa	.4675491	.0637423	7.33	0.000	.3421891	.5929091
_cons	-25.75946	4.037102	-6.38	0.000	-33.6991	-17.81982

```

50 .      cap predict f`e(depvar)', xb
51 .      matrix define r2f11 = (e(r2), e(r2_a))
52 .
53 .
54 . regress illw1 anxagw1 medcow1 fdferw1 if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	8.94764714	3	2.98254905	F(3, 359) = 13.32		
Residual	80.4132344	359	.223992296	Prob > F = 0.0000		
				R-squared = 0.1001		
				Adj R-squared = 0.0926		
Total	89.3608815	362	.246853264	Root MSE = .47328		

illw1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
anxagw1	.003283	.0007434	4.42	0.000	.001821	.004745
medcow1	.0223229	.0061039	3.66	0.000	.010319	.0343268
fdferw1	-.0018124	.0006862	-2.64	0.009	-.0031618	-.000463
_cons	.1136286	.0379577	2.99	0.003	.0389811	.188276

```

55 .           cap predict f`e(depvar)', xb
56 .           matrix define r2f12 = (e(r2), e(r2_a))
57 .
58 .
59 . regress illw3 BSIanx medcow3 BSIPosymp illw1 crhrw1 medcow2 if gender==2

```

Source	SS	df	MS	Number of obs =	360
Model	126.027503	6	21.0045838	F(6, 353) =	20.42
Residual	363.072497	353	1.02853399	Prob > F =	0.0000
				R-squared =	0.2577
				Adj R-squared =	0.2451
Total	489.1	359	1.36239554	Root MSE =	1.0142

illw3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
BSIanx	-.0171718	.0268705	-0.64	0.523	-.0700181	.0356745
medcow3	.0345646	.0134924	2.56	0.011	.008029	.0611001
BSIPosymp	.0166724	.0033987	4.91	0.000	.0099881	.0233567
illw1	.1933728	.1141806	1.69	0.091	-.031187	.4179327
crhrw1	-.3776608	.0599892	-6.30	0.000	-.495642	-.2596796
medcow2	-.0206891	.0099399	-2.08	0.038	-.040238	-.0011402
_cons	-.6179827	.1744103	-3.54	0.000	-.9609967	-.2749688

```

60 .           cap predict f`e(depvar)', xb
61 .           matrix define r2f13 = (e(r2), e(r2_a))
62 .
63 . regress crhrw1 illw1 injselfr if gender==2

```

Source	SS	df	MS	Number of obs =	362
Model	45.5110158	2	22.7555079	F(2, 359) =	29.53
Residual	276.66399	359	.770651783	Prob > F =	0.0000
				R-squared =	0.1413
				Adj R-squared =	0.1365
Total	322.175006	361	.89245154	Root MSE =	.87787

crhrw1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illw1	-.3492587	.0937469	-3.73	0.000	-.5336208	-.1648966
injselfr	.7199929	.1005004	7.16	0.000	.5223493	.9176364
_cons	-.2994427	.0829197	-3.61	0.000	-.4625121	-.1363734

```

64 .      cap predict f`e(depvar)', xb
65 .      matrix define r2f14 = (e(r2), e(r2_a))
66 .
67 . regress anxagw2 illw2 anxagw1 if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	50402.0147	2	25201.0074	F(2, 360) = 68.23		
Residual	132969.406	360	369.35946	Prob > F = 0.0000		
Total	183371.42	362	506.550885	R-squared = 0.2749		
				Adj R-squared = 0.2708		
				Root MSE = 19.219		

anxagw2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illw2	6.240431	1.151884	5.42	0.000	3.975164	8.505698
anxagw1	.2741609	.0289122	9.48	0.000	.2173029	.331019
_cons	2.878095	1.255226	2.29	0.022	.4095992	5.346591

```

68 .      cap predict f`e(depvar)', xb
69 .      matrix define r2f15 = (e(r2), e(r2_a))
70 .
71 . regress medcow2 illw2 medcow1 if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	6994.72707	2	3497.36354	F(2, 360) = 113.44		
Residual	11098.5126	360	30.8292017	Prob > F = 0.0000		
Total	18093.2397	362	49.9813251	R-squared = 0.3866		
				Adj R-squared = 0.3832		
				Root MSE = 5.5524		

medcow2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illw2	.6726288	.3299571	2.04	0.042	.0237433	1.321514
medcow1	1.054648	.0702481	15.01	0.000	.9165002	1.192796
_cons	.6889719	.3762321	1.83	0.068	-.0509169	1.428861

```

72 .      cap predict f`e(depvar)', xb
73 .      matrix define r2f16 = (e(r2), e(r2_a))
74 .
75 . regress whppa illw3 crhrwl medcow1 whpel injselfr if gender==2

```

Source	SS	df	MS	Number of obs = 362		
Model	68002.1494	5	13600.4299	F(5, 356) = 49.45		
Residual	97911.3994	356	275.032021	Prob > F = 0.0000		
Total	165913.549	361	459.594318	R-squared = 0.4099		
				Adj R-squared = 0.4016		
				Root MSE = 16.584		

whppa	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illw3	4.114543	.8373047	4.91	0.000	2.467858	5.761228
crhrwl	3.066496	1.082735	2.83	0.005	.9371352	5.195858
medcow1	.9678356	.2235116	4.33	0.000	.5282666	1.407405
whpel	.2650587	.026977	9.83	0.000	.2120044	.318113
injselfr	4.996657	2.097374	2.38	0.018	.8718567	9.121457
_cons	.7050671	1.718944	0.41	0.682	-2.675494	4.085628

```

76 .      cap predict f`e(depvar)', xb
77 .      matrix define r2f17 = (e(r2), e(r2_a))
78 .
79 . regress depagw3 anxagw3 illw3 if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	98420.7809	2	49210.3905	F(2, 360) = 283.85		
Residual	62412.5078	360	173.368077	Prob > F = 0.0000		
Total	160833.289	362	444.290853	R-squared = 0.6119		
				Adj R-squared = 0.6098		
				Root MSE = 13.167		

depagw3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
anxagw3	.603548	.031252	19.31	0.000	.5420886	.6650074
illw3	4.472663	.626528	7.14	0.000	3.240549	5.704778
_cons	1.515427	.8656647	1.75	0.081	-.1869682	3.217822

```

80 .           cap predict f`e(depvar)', xb
81 .           matrix define r2f18 = (e(r2), e(r2_a))
82 .
83 . regress anxagw1 fdferw1 injselfr cumdose1 if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	64569.3208	3	21523.1069	F(3, 359) = 20.00		
Residual	386245.214	359	1075.89196	Prob > F = 0.0000		
Total	450814.534	362	1245.34402	R-squared = 0.1432		
				Adj R-squared = 0.1361		
				Root MSE = 32.801		

anxagw1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fdferw1	.2086368	.0466294	4.47	0.000	.1169358	.3003378
injselfr	12.68874	3.789279	3.35	0.001	5.236772	20.14072
cumdose1	11.78155	3.179075	3.71	0.000	5.529605	18.0335
_cons	1.924418	3.377247	0.57	0.569	-4.717255	8.566091

```

84 .           cap predict f`e(depvar)', xb
85 .           matrix define r2f19 = (e(r2), e(r2_a))
86 .
87 . regress medcow1 crhrw1 anxagw1 if gender==2

```

Source	SS	df	MS	Number of obs = 362		
Model	698.701136	2	349.350568	F(2, 359) = 22.64		
Residual	5538.82373	359	15.4284783	Prob > F = 0.0000		
Total	6237.52486	361	17.2784622	R-squared = 0.1120		
				Adj R-squared = 0.1071		
				Root MSE = 3.9279		

medcow1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
crhrw1	1.223903	.2202451	5.56	0.000	.7907707	1.657036
anxagw1	.0185173	.0058911	3.14	0.002	.0069319	.0301027
_cons	2.07921	.2450827	8.48	0.000	1.597232	2.561188

```

88 .      cap predict f`e(depvar)', xb
89 .      matrix define r2f20 = (e(r2), e(r2_a))
90 .
91 . regress whpel BSIanx medcow3 BSiposymp whpsleep if gender==2

```

Source	SS	df	MS	Number of obs =	361
Model	177687.982	4	44421.9955	F(4, 356) =	64.01
Residual	247043.862	356	693.943432	Prob > F =	0.0000
				R-squared =	0.4184
				Adj R-squared =	0.4118
Total	424731.844	360	1179.81068	Root MSE =	26.343

whpel	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
BSIanx	-1.980287	.6522106	-3.04	0.003	-3.262956	-.6976166
medcow3	1.188722	.2799058	4.25	0.000	.638245	1.739199
BSiposymp	.6854504	.0910282	7.53	0.000	.5064297	.864471
whpsleep	.2799391	.0561	4.99	0.000	.1696101	.3902682
_cons	-21.86974	4.809251	-4.55	0.000	-31.32786	-12.41163

```

92 .      cap predict f`e(depvar)', xb
93 .      matrix define r2f21 = (e(r2), e(r2_a))
94 .
95 .
96 . regress fdferw1 injselfr cumdose1 if gender==2

```

Source	SS	df	MS	Number of obs =	363
Model	24297.1165	2	12148.5583	F(2, 360) =	8.84
Residual	494822.872	360	1374.50798	Prob > F =	0.0002
				R-squared =	0.0468
				Adj R-squared =	0.0415
Total	519119.989	362	1434.03312	Root MSE =	37.074

fdferw1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
injselfr	14.01263	4.218824	3.32	0.001	5.715994	22.30926
cumdose1	7.822138	3.569543	2.19	0.029	.8023617	14.84191
_cons	25.09139	3.580876	7.01	0.000	18.04933	32.13345

```

97 .          cap predict f`e(depvar)', xb

98 .          matrix define r2f22 = (e(r2), e(r2_a))

99 .
100 . matrix define  r2fdepanxV4 = (r2f1 \ r2f2 \ r2f3 \ r2f4 \ r2f5 \ r2f6 \ r2f7
    > \ ///
    >          r2f8 \ r2f9 \ r2f10 \ r2f11 \ r2f12 \ r2f13 \ r2f14 \ r2f15 \
    > ///
    >          r2f16 \ r2f17 \ r2f18 \ r2f19 \ r2f20 \ r2f21 \ r2f22  )

101 . matrix colnames r2fdepanxV4 = r2 r2a

102 . matrix rownames r2fdepanxV4 = depagw1 depagw2 bsianx medcow3 illw2 ///
    >          crhrw2 crhrw3 anxagw3 bsidep bsiposymp ///
    >          sleep illw1 illw3 crhrw1 anxagw2 ///
    >          medcow2 whppa depagw3 anxagw1 medcow1 ///
    >          whpel fdferw1

103 . matlist r2fdepanxV4

```

	r2	r2a
depagw1	.3980666	.3930365
depagw2	.5270393	.5217548
bsianx	.3613865	.3487941
medcow3	.4226117	.4144795
illw2	.2290133	.2181848
crhrw2	.6103973	.6038125
crhrw3	.9167193	.9145839
anxagw3	.6922009	.68789
bsidep	.6776871	.6749936
bsiposymp	.8555598	.8531255
sleep	.456598	.4489445
illw1	.1001294	.0926095
illw3	.2576723	.2450548
crhrw1	.1412618	.1364777
anxagw2	.274863	.2708344
medcow2	.3865934	.3831856
whppa	.409865	.4015765
depagw3	.6119428	.609787
anxagw1	.1432281	.1360685
medcow1	.1120158	.1070688
whpel	.4183533	.411818
fdferw1	.0468044	.0415089


```

115 . // zero-order coefficients
116 . pwcorr crhrw1 crhrw2 crhrw3 cumdose1 cumdose2 cumdose3 bsianx bsiposymp bsid
    > ep whpel whpsleep whppa, sig obs

```

	crhrw1	crhrw2	crhrw3	cumdose1	cumdose2	cumdose3	bsianx
crhrw1	1.0000						
	701						
crhrw2	0.7538	1.0000					
	0.0000						
	701	702					
crhrw3	0.6664	0.9530	1.0000				
	0.0000	0.0000					
	701	702	702				
cumdose1	0.0625	0.0725	0.0703	1.0000			
	0.0983	0.0549	0.0625				
	701	702	702	702			
cumdose2	0.0664	0.0915	0.0984	0.8731	1.0000		
	0.0790	0.0153	0.0091	0.0000			
	701	702	702	702	702		
cumdose3	0.0685	0.1021	0.1074	0.8436	0.9894	1.0000	
	0.0697	0.0068	0.0044	0.0000	0.0000		
	701	702	702	702	702	702	
bsianx	0.0476	0.2900	0.3225	0.1009	0.1168	0.1277	1.0000
	0.2082	0.0000	0.0000	0.0075	0.0019	0.0007	
	701	702	702	702	702	702	702
bsiposymp	0.2116	0.4142	0.4396	0.0927	0.1112	0.1209	0.8146
	0.0000	0.0000	0.0000	0.0140	0.0032	0.0013	0.0000
	701	702	702	702	702	702	702
bsidep	0.1583	0.3091	0.3336	0.0557	0.0938	0.1052	0.5953
	0.0000	0.0000	0.0000	0.1405	0.0129	0.0053	0.0000
	701	702	702	702	702	702	702
whpel	0.1739	0.2794	0.2855	0.0781	0.1237	0.1206	0.4107
	0.0000	0.0000	0.0000	0.0386	0.0010	0.0014	0.0000
	701	702	702	702	702	702	702
whpsleep	0.2304	0.3313	0.3430	0.1109	0.1078	0.1151	0.4885
	0.0000	0.0000	0.0000	0.0033	0.0043	0.0023	0.0000
	701	702	702	702	702	702	702

whppa	0.2364 0.0000 701	0.3273 0.0000 702	0.3353 0.0000 702	0.0277 0.4638 702	0.0618 0.1017 702	0.0729 0.0537 702	0.2921 0.0000 702
	bsipos~p	bsidep	whpel	whpsleep	whppa		
bsiposymp	1.0000 702						
bsidep	0.7984 0.0000 702	1.0000 702					
whpel	0.5490 0.0000 702	0.4323 0.0000 702	1.0000 702				
whpsleep	0.5920 0.0000 702	0.4275 0.0000 702	0.5051 0.0000 702	1.0000 702			
whppa	0.4315 0.0000 702	0.3580 0.0000 702	0.5411 0.0000 702	0.4897 0.0000 702	1.0000 702		

```

117 .
118 .
119 .
120 . // mean centering the key variables
121 . mcenter crhrw1 crhrw2 crhrw3 cumdose1 cumdose2 cumdose3 bsianx bsiposymp bsi
> dep whpel whpsleep whppa
note: label truncated to 80 characters

```

Variable	Obs	Mean	Std. Dev.	Min	Max
C_crhrw11	701	-6.26e-09	.9469033	-1.501544	1.247565

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_crhrw21	701	1.06e-08	.9134505	-1.820002	1.195228

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_crhrw31	701	1.70e-08	.922976	-1.788823	1.15987

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_cumdose11	701	-2.92e-09	1.227499	-.3742207	27.60458

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_cumdose21	701	-1.46e-09	2.005578	-.8939184	29.06808

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_cumdose31	701	2.88e-09	2.246003	-1.165729	29.71587

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_bsianx1	701	-3.08e-08	3.328125	-4.323823	13.67618

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_bsiposymp1	701	-1.05e-07	26.45624	-31.93438	110.0656

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_bsidep1	701	-2.61e-08	3.446399	-3.918688	18.08131

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_whpell1	701	8.77e-08	32.66137	-27.69986	72.30014

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_whpsleep1	701	2.90e-07	28.4889	-21.96174	79.03826

note: label truncated to 80 characters

Variable	Obs	Mean	Std. Dev.	Min	Max
C_whppa1	701	1.31e-07	18.96556	-14.16228	85.80771

```

122 .
123 . foreach var in crhrw1 crhrw2 crhrw3 cumdose1 cumdose2 cumdose3 bsianx bsipos
    > ymp bsidep whpel whpsleep whppa {
      2. summ `var' if gender==1
      3. cap gen sdm`var'=r(sd)
      4. summ `var' if gender==2
      5. cap gen sdf`var' = r(sd)
      6. }

```

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw1	339	-.1421184	.9297899	-1.501544	1.247565
Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw1	362	.1330888	.9446965	-1.501544	1.247565
Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw2	339	-.1840074	.9217839	-1.819979	1.195251
Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw2	363	.1718416	.8710879	-1.819979	1.195251
Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw3	339	-.1842635	.9209234	-1.788638	1.160055
Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw3	363	.1720808	.8910531	-1.788638	1.160055
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose1	339	.4300973	1.671212	.0147	27.9862
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose1	363	.3355179	.5493172	.0074	4.9869
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose2	339	.9641121	2.507435	.0357	29.9977
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose2	363	.895568	1.380783	.0835	12.1168

Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose3	339	1.221388	2.673054	.0466	30.9282
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose3	363	1.201802	1.756268	.1333	15.9743
Variable	Obs	Mean	Std. Dev.	Min	Max
bsianx	339	7.613569	2.773702	5	21
Variable	Obs	Mean	Std. Dev.	Min	Max
bsianx	363	8.977961	3.655702	4	22
Variable	Obs	Mean	Std. Dev.	Min	Max
bsiposymp	339	74.88496	23.11628	49	185
Variable	Obs	Mean	Std. Dev.	Min	Max
bsiposymp	363	86.50689	28.12957	49	191
Variable	Obs	Mean	Std. Dev.	Min	Max
bsidep	339	8.120944	2.868953	5	27
Variable	Obs	Mean	Std. Dev.	Min	Max
bsidep	363	9.655647	3.763725	5	26
Variable	Obs	Mean	Std. Dev.	Min	Max
whpel	339	23.1882	30.03647	0	100
Variable	Obs	Mean	Std. Dev.	Min	Max
whpel	363	31.83691	34.44306	0	100
Variable	Obs	Mean	Std. Dev.	Min	Max
whpsleep	339	17.34791	24.84498	0	101
Variable	Obs	Mean	Std. Dev.	Min	Max
whpsleep	363	26.24466	30.90295	0	101

Variable	Obs	Mean	Std. Dev.	Min	Max
whppa	339	9.512625	14.56254	0	87.27999
Variable	Obs	Mean	Std. Dev.	Min	Max
whppa	363	18.46551	21.43057	0	99.96999

124 .

```
125 . foreach var in crhrw1 crhrw2 crhrw3 cumdose1 cumdose2 cumdose3 bsianx bsipos
> ymp bsidep whpel whpsleep whppa {
2. summ `var' if gender==1
3. cap gen mm`var' = r(mean) if gender==1
4. summ `var' if gender==2
5. cap gen mf`var' = r(mean) if gender==2
6. }
```

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw1	339	-.1421184	.9297899	-1.501544	1.247565

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw1	362	.1330888	.9446965	-1.501544	1.247565

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw2	339	-.1840074	.9217839	-1.819979	1.195251

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw2	363	.1718416	.8710879	-1.819979	1.195251

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw3	339	-.1842635	.9209234	-1.788638	1.160055

Variable	Obs	Mean	Std. Dev.	Min	Max
crhrw3	363	.1720808	.8910531	-1.788638	1.160055

Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose1	339	.4300973	1.671212	.0147	27.9862

Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose1	363	.3355179	.5493172	.0074	4.9869

Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose2	339	.9641121	2.507435	.0357	29.9977
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose2	363	.895568	1.380783	.0835	12.1168
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose3	339	1.221388	2.673054	.0466	30.9282
Variable	Obs	Mean	Std. Dev.	Min	Max
cumdose3	363	1.201802	1.756268	.1333	15.9743
Variable	Obs	Mean	Std. Dev.	Min	Max
bsianx	339	7.613569	2.773702	5	21
Variable	Obs	Mean	Std. Dev.	Min	Max
bsianx	363	8.977961	3.655702	4	22
Variable	Obs	Mean	Std. Dev.	Min	Max
bsiposymp	339	74.88496	23.11628	49	185
Variable	Obs	Mean	Std. Dev.	Min	Max
bsiposymp	363	86.50689	28.12957	49	191
Variable	Obs	Mean	Std. Dev.	Min	Max
bsidep	339	8.120944	2.868953	5	27
Variable	Obs	Mean	Std. Dev.	Min	Max
bsidep	363	9.655647	3.763725	5	26
Variable	Obs	Mean	Std. Dev.	Min	Max
whpel	339	23.1882	30.03647	0	100
Variable	Obs	Mean	Std. Dev.	Min	Max
whpel	363	31.83691	34.44306	0	100

```
126 .
127 .
128 . title "Zero order Coefficients"
```

Friday, August 17, 2012 11:18 AM Page 24


```

129 . // zero-order coefficients
130 . pwcorr crhrw1 crhrw2 crhrw3 cumdose1 cumdose2 cumdose3 bsianx bsiposymp bsid
    > ep whpel whpsleep whppa, sig obs

```

	crhrw1	crhrw2	crhrw3	cumdose1	cumdose2	cumdose3	bsianx
crhrw1	1.0000						
	701						
crhrw2	0.7538	1.0000					
	0.0000						
	701	702					
crhrw3	0.6664	0.9530	1.0000				
	0.0000	0.0000					
	701	702	702				
cumdose1	0.0625	0.0725	0.0703	1.0000			
	0.0983	0.0549	0.0625				
	701	702	702	702			
cumdose2	0.0664	0.0915	0.0984	0.8731	1.0000		
	0.0790	0.0153	0.0091	0.0000			
	701	702	702	702	702		
cumdose3	0.0685	0.1021	0.1074	0.8436	0.9894	1.0000	
	0.0697	0.0068	0.0044	0.0000	0.0000		
	701	702	702	702	702	702	
bsianx	0.0476	0.2900	0.3225	0.1009	0.1168	0.1277	1.0000
	0.2082	0.0000	0.0000	0.0075	0.0019	0.0007	
	701	702	702	702	702	702	702
bsiposymp	0.2116	0.4142	0.4396	0.0927	0.1112	0.1209	0.8146
	0.0000	0.0000	0.0000	0.0140	0.0032	0.0013	0.0000
	701	702	702	702	702	702	702
bsidep	0.1583	0.3091	0.3336	0.0557	0.0938	0.1052	0.5953
	0.0000	0.0000	0.0000	0.1405	0.0129	0.0053	0.0000
	701	702	702	702	702	702	702
whpel	0.1739	0.2794	0.2855	0.0781	0.1237	0.1206	0.4107
	0.0000	0.0000	0.0000	0.0386	0.0010	0.0014	0.0000
	701	702	702	702	702	702	702
whpsleep	0.2304	0.3313	0.3430	0.1109	0.1078	0.1151	0.4885
	0.0000	0.0000	0.0000	0.0033	0.0043	0.0023	0.0000
	701	702	702	702	702	702	702

whppa	0.2364 0.0000 701	0.3273 0.0000 702	0.3353 0.0000 702	0.0277 0.4638 702	0.0618 0.1017 702	0.0729 0.0537 702	0.2921 0.0000 702
	bsipos~p	bsidep	whpel	whpsleep	whppa		
bsiposymp	1.0000 702						
bsidep	0.7984 0.0000 702	1.0000 702					
whpel	0.5490 0.0000 702	0.4323 0.0000 702	1.0000 702				
whpsleep	0.5920 0.0000 702	0.4275 0.0000 702	0.5051 0.0000 702	1.0000 702			
whppa	0.4315 0.0000 702	0.3580 0.0000 702	0.5411 0.0000 702	0.4897 0.0000 702	1.0000 702		

```

131 .
132 . foreach var in crhrw1 crhrw2 crhrw3 cumdose1 cumdose2 cumdose3 bsianx bsipos
    > ymp bsidep whpel whpsleep whppa {
      2. cap gen stdzm`var' = (`var'-mm`var')/sdm`var' if gender==1
      3. cap gen stdzf`var' = (`var'-mf`var')/sdf`var' if gender==2
      4. }
133 .

```

```

134 .
135 .
136 .
137 . forvalues i=1/3 {
      2. foreach var in bsiposymp bsianx bsidep {
      3. regress stdzmcumdose`i' stdzm`var'
      4. regress stdzfcumdose`i' stdzf`var'
      5. }
      6. }

```

Source	SS	df	MS	Number of obs =	339
Model	2.03928792	1	2.03928792	F(1, 337) =	2.05
Residual	335.960691	337	.996915997	Prob > F =	0.1536
				R-squared =	0.0060
				Adj R-squared =	0.0031
Total	337.999979	338	.999999937	Root MSE =	.99846

```

> -
stdzmcumdose1 |          Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval
> ]

```

```

> -
stdzmbsipos~p |    .0776749    .0543089     1.43   0.154    -.0291522    .184502
> 1
      _cons |    1.78e-09    .0542287     0.00   1.000    -.1066694    .106669
> 4

```

```

> -

```

Source	SS	df	MS	Number of obs =	363
Model	19.2101765	1	19.2101765	F(1, 361) =	20.23
Residual	342.789791	361	.949556208	Prob > F =	0.0000
				R-squared =	0.0531
				Adj R-squared =	0.0504
Total	361.999968	362	.999999911	Root MSE =	.97445

```

> -
stdzfcumdose1 |          Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval
> ]

```

```

> -
stdzfbsipos~p |    .2303623    .051216     4.50   0.000     .129643    .331081
> 6
      _cons |    2.34e-09    .0511455     0.00   1.000    -.1005804    .100580
> 5

```

```

> -

```

Source	SS	df	MS	Number of obs =	339
Model	2.86695119	1	2.86695119	F(1, 337) =	2.88
Residual	335.133028	337	.994460023	Prob > F =	0.0904
				R-squared =	0.0085
				Adj R-squared =	0.0055
Total	337.999979	338	.999999937	Root MSE =	.99723

stdzmcumdo~1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzmbasianx	.0920983	.054242	1.70	0.090	-.0145971	.1987938
_cons	-1.98e-09	.0541619	-0.00	1.000	-.106538	.106538

Source	SS	df	MS	Number of obs =	363
Model	19.0939287	1	19.0939287	F(1, 361) =	20.10
Residual	342.906039	361	.949878224	Prob > F =	0.0000
				R-squared =	0.0527
				Adj R-squared =	0.0501
Total	361.999968	362	.999999911	Root MSE =	.97462

stdzfcumdo~1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfbasianx	.2296642	.0512247	4.48	0.000	.1289279	.3304006
_cons	-1.31e-08	.0511541	-0.00	1.000	-.1005975	.1005975

Source	SS	df	MS	Number of obs =	339
Model	.20240744	1	.20240744	F(1, 337) =	0.20
Residual	337.797571	337	1.00236668	Prob > F =	0.6535
				R-squared =	0.0006
				Adj R-squared =	-0.0024
Total	337.999979	338	.999999937	Root MSE =	1.0012

stdzmcumdo~1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzmbsidep	.0244712	.0544572	0.45	0.653	-.0826476	.1315899
_cons	3.25e-10	.0543768	0.00	1.000	-.1069607	.1069607

Source	SS	df	MS	Number of obs =	363
Model	14.6950173	1	14.6950173	F(1, 361) =	15.27
Residual	347.30495	361	.962063574	Prob > F =	0.0001
				R-squared =	0.0406
				Adj R-squared =	0.0379
Total	361.999968	362	.999999911	Root MSE =	.98085

stdzfcumdo~1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfbsidep	.2014795	.0515522	3.91	0.000	.100099	.3028599
_cons	-2.07e-08	.0514812	-0.00	1.000	-.1012407	.1012407

Source	SS	df	MS	Number of obs =	339
Model	1.57267134	1	1.57267134	F(1, 337) =	1.58
Residual	336.427313	337	.998300633	Prob > F =	0.2103
				R-squared =	0.0047
				Adj R-squared =	0.0017
Total	337.999985	338	.999999954	Root MSE =	.99915

> -						
stdzmcumdose2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval	
>]						
> -						
stdzmbisipos~p	.068212	.0543466	1.26	0.210	-.0386893	.175113
> 3						
_cons	-4.42e-09	.0542664	-0.00	1.000	-.1067435	.106743
> 5						

> -

Source	SS	df	MS	Number of obs =	363
Model	15.8086166	1	15.8086166	F(1, 361) =	16.48
Residual	346.191357	361	.958978827	Prob > F =	0.0001
				R-squared =	0.0437
				Adj R-squared =	0.0410
Total	361.999973	362	.999999926	Root MSE =	.97927

```

> -
stdzfcumdose2 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
> ]
+-----+-----+-----+-----+-----+-----+
> -
stdzfbisipos~p |      .2089742   .0514695     4.06   0.000     .1077564     .31019
> 2
      _cons |     -2.30e-09   .0513986     -0.00   1.000     -.1010783     .101078
> 3
+-----+-----+-----+-----+-----+-----+
> -

```

Source	SS	df	MS	Number of obs =	339
Model	2.23877139	1	2.23877139	F(1, 337) =	2.25
Residual	335.761213	337	.996324075	Prob > F =	0.1348
				R-squared =	0.0066
				Adj R-squared =	0.0037
Total	337.999985	338	.999999954	Root MSE =	.99816

stdzmcumdo~2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
stdzmbisianx	.0813854	.0542928	1.50	0.135	-.02541 .1881808
_cons	-7.74e-09	.0542126	-0.00	1.000	-.1066378 .1066378

Source	SS	df	MS	Number of obs =	363
Model	14.9327293	1	14.9327293	F(1, 361) =	15.53
Residual	347.067244	361	.961405108	Prob > F =	0.0001
				R-squared =	0.0413
				Adj R-squared =	0.0386
Total	361.999973	362	.999999926	Root MSE =	.98051

stdzfcumdo~2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
stdzfbisianx	.2031025	.0515346	3.94	0.000	.1017568 .3044483
_cons	-1.64e-08	.0514636	-0.00	1.000	-.1012061 .101206

Source	SS	df	MS	Number of obs =	339
Model	.809531255	1	.809531255	F(1, 337) =	0.81
Residual	337.190453	337	1.00056514	Prob > F =	0.3690
				R-squared =	0.0024
				Adj R-squared =	-0.0006
Total	337.999985	338	.999999954	Root MSE =	1.0003

stdzmcumdo~2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzmbsidep	.0489394	.0544082	0.90	0.369	-.0580831	.1559618
_cons	-5.28e-09	.0543279	-0.00	1.000	-.1068645	.1068645

Source	SS	df	MS	Number of obs = 363		
Model	12.7944462	1	12.7944462	F(1, 361) =	13.23	
Residual	349.205527	361	.96732833	Prob > F =	0.0003	
				R-squared =	0.0353	
				Adj R-squared =	0.0327	
Total	361.999973	362	.999999926	Root MSE =	.98353	

stdzfcumdo~2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfbsidep	.1879994	.0516931	3.64	0.000	.0863419	.2896569
_cons	-2.33e-08	.0516219	-0.00	1.000	-.1015174	.1015173

Source	SS	df	MS	Number of obs = 339		
Model	1.76386384	1	1.76386384	F(1, 337) =	1.77	
Residual	336.236132	337	.99773333	Prob > F =	0.1845	
				R-squared =	0.0052	
				Adj R-squared =	0.0023	
Total	337.999996	338	.999999988	Root MSE =	.99887	

> -						
stdzmcumdose3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
>]						
> -						
stdzmbisipos~p	.0722394	.0543311	1.33	0.185	-.0346315	.179110
> 3						
_cons	1.68e-08	.054251	0.00	1.000	-.1067131	.106713
> 2						

> -						
Source	SS	df	MS	Number of obs = 363		
Model	14.378436	1	14.378436	F(1, 361) =	14.93	
Residual	347.621547	361	.962940573	Prob > F =	0.0001	
				R-squared =	0.0397	
				Adj R-squared =	0.0371	
Total	361.999983	362	.999999953	Root MSE =	.9813	

```

> -
stdzfcumdose3 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
> ]
+-----+-----+
> -
stdzfbisipos~p |      .1992974   .0515757     3.86   0.000     .0978707     .30072
> 4
      _cons |     -1.28e-08   .0515046     -0.00   1.000     -.1012868     .101286
> 8
+-----+-----+
> -

```

Source	SS	df	MS	Number of obs =	339
Model	2.56866209	1	2.56866209	F(1, 337) =	2.58
Residual	335.431334	337	.995345204	Prob > F =	0.1091
Total	337.999996	338	.999999988	R-squared =	0.0076
				Adj R-squared =	0.0047
				Root MSE =	.99767

stdzmcumdo~3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
stdzmbisianx	.0871756	.0542661	1.61	0.109	-.0195673 .1939186
_cons	1.33e-08	.054186	0.00	1.000	-.1065854 .1065854

Source	SS	df	MS	Number of obs =	363
Model	13.8710932	1	13.8710932	F(1, 361) =	14.38
Residual	348.12889	361	.964345955	Prob > F =	0.0002
Total	361.999983	362	.999999953	R-squared =	0.0383
				Adj R-squared =	0.0357
				Root MSE =	.98201

stdzfcumdo~3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
stdzfbisianx	.1957497	.0516134	3.79	0.000	.0942491 .2972503
_cons	-2.62e-08	.0515422	-0.00	1.000	-.1013607 .1013607

Source	SS	df	MS	Number of obs =	339
Model	1.12903404	1	1.12903404	F(1, 337) =	1.13
Residual	336.870962	337	.999617098	Prob > F =	0.2887
Total	337.999996	338	.999999988	R-squared =	0.0033
				Adj R-squared =	0.0004
				Root MSE =	.99981

stdzmcumdo~3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzmbsidep	.0577957	.0543824	1.06	0.289	-.0491761	.1647674
_cons	1.60e-08	.0543021	0.00	1.000	-.1068138	.1068139

Source	SS	df	MS	Number of obs = 363		
Model	11.4521852	1	11.4521852	F(1, 361) = 11.79		
Residual	350.547798	361	.971046531	Prob > F = 0.0007		
Total	361.999983	362	.999999953	R-squared = 0.0316		
				Adj R-squared = 0.0290		
				Root MSE = .98542		

stdzfcumdo~3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfbsidep	.1778648	.0517924	3.43	0.001	.0760121	.2797174
_cons	-3.28e-08	.051721	-0.00	1.000	-.1017123	.1017122

```

138 .
139 . forvalues i=1/3 {
      2. foreach var in whpsleep whpel whppa {
      3. regress stdzmcumdose`i' stdzm`var'
      4. regress stdzfcumdose`i' stdzf`var'
      5. }
      6. }

```

Source	SS	df	MS	Number of obs = 339		
Model	5.50635681	1	5.50635681	F(1, 337) = 5.58		
Residual	332.493622	337	.986627959	Prob > F = 0.0187		
Total	337.999979	338	.999999937	R-squared = 0.0163		
				Adj R-squared = 0.0134		
				Root MSE = .99329		

stdzmcumdose1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
_cons	1.30e-09	.0539482	0.00	1.000	-.1061176	.106117
stdzwmhpsleep	.1276362	.0540279	2.36	0.019	.0213617	.233910

Source	SS	df	MS	Number of obs =	363
Model	11.0042986	1	11.0042986	F(1, 361) =	11.32
Residual	350.995669	361	.972287172	Prob > F =	0.0008
				R-squared =	0.0304
				Adj R-squared =	0.0277
Total	361.999968	362	.999999911	Root MSE =	.98605

```
> -
stdzfcumdose1 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval
> ]
```

```
> -
stdzfwbpsleep |      .174352   .0518254     3.36   0.001     .0724343     .276269
> 7
      _cons |     -2.09e-08   .051754     -0.00   1.000     -.1017772     .101777
> 2
```

```
> -
```

Source	SS	df	MS	Number of obs =	339
Model	2.64101387	1	2.64101387	F(1, 337) =	2.65
Residual	335.358965	337	.99513046	Prob > F =	0.1042
				R-squared =	0.0078
				Adj R-squared =	0.0049
Total	337.999979	338	.999999937	Root MSE =	.99756

```
stdzmcumdo~1 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
stdzwmwhpel |      .0883949   .0542602     1.63   0.104     -.0183366     .1951263
      _cons |     -2.40e-09   .0541801     -0.00   1.000     -.1065739     .1065739
```

Source	SS	df	MS	Number of obs =	363
Model	5.39580715	1	5.39580715	F(1, 361) =	5.46
Residual	356.604161	361	.987823159	Prob > F =	0.0200
				R-squared =	0.0149
				Adj R-squared =	0.0122
Total	361.999968	362	.999999911	Root MSE =	.99389

```
stdzfcumdo~1 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
stdzfwwhpel |      .1220883   .0522379     2.34   0.020     .0193595     .224817
      _cons |     -1.81e-08   .0521659     -0.00   1.000     -.1025871     .1025871
```

Source	SS	df	MS	Number of obs =	339
Model	.013528215	1	.013528215	F(1, 337) =	0.01
Residual	337.986451	337	1.00292715	Prob > F =	0.9076
				R-squared =	0.0000
				Adj R-squared =	-0.0029
Total	337.999979	338	.999999937	Root MSE =	1.0015

stdzmcumdo~1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzwmwhppa	-.0063265	.0544724	-0.12	0.908	-.1134752	.1008222
_cons	-8.25e-11	.054392	-0.00	1.000	-.1069906	.1069906

Source	SS	df	MS	Number of obs =	363
Model	8.47437271	1	8.47437271	F(1, 361) =	8.65
Residual	353.525595	361	.979295277	Prob > F =	0.0035
				R-squared =	0.0234
				Adj R-squared =	0.0207
Total	361.999968	362	.999999911	Root MSE =	.98959

stdzfcumdo~1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfwwhppa	.1530028	.0520119	2.94	0.003	.0507185	.2552872
_cons	-1.91e-08	.0519402	-0.00	1.000	-.1021434	.1021433

Source	SS	df	MS	Number of obs =	339
Model	3.6139341	1	3.6139341	F(1, 337) =	3.64
Residual	334.38605	337	.992243473	Prob > F =	0.0572
				R-squared =	0.0107
				Adj R-squared =	0.0078
Total	337.999985	338	.999999954	Root MSE =	.99611

> -						
stdzmcumdose2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval	
>]						
> -						
stdzwmwhpsleep	.1034027	.0541815	1.91	0.057	-.0031738	.209979
> 2						
_cons	-4.94e-09	.0541015	-0.00	1.000	-.1064192	.106419
> 2						
> -						

Source	SS	df	MS	Number of obs =	363
Model	7.61743899	1	7.61743899	F(1, 361) =	7.76
Residual	354.382534	361	.98166907	Prob > F =	0.0056
				R-squared =	0.0210
				Adj R-squared =	0.0183
Total	361.999973	362	.999999926	Root MSE =	.99079

```
> -
stdzfcumdose2 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval
> ]
```

```
> -
stdzfwbpsleep |   .1450608   .0520749     2.79   0.006   .0426526   .247469
> 1
      _cons |  -2.31e-08   .0520031    -0.00   1.000   -.1022671   .10226
> 7
```

```
> -
```

Source	SS	df	MS	Number of obs =	339
Model	7.47496444	1	7.47496444	F(1, 337) =	7.62
Residual	330.52502	337	.98078641	Prob > F =	0.0061
				R-squared =	0.0221
				Adj R-squared =	0.0192
Total	337.999985	338	.999999954	Root MSE =	.99035

```
stdzmcumdo~2 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
stdzwmwhpel |   .1487121   .0538678     2.76   0.006   .0427527   .2546715
      _cons |  -9.99e-09   .0537882    -0.00   1.000   -.105803   .105803
```

Source	SS	df	MS	Number of obs =	363
Model	4.85252123	1	4.85252123	F(1, 361) =	4.90
Residual	357.147452	361	.989328122	Prob > F =	0.0274
				R-squared =	0.0134
				Adj R-squared =	0.0107
Total	361.999973	362	.999999926	Root MSE =	.99465

```
stdzfcumdo~2 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
stdzfwwhpel |   .1157789   .0522776     2.21   0.027   .012972   .2185859
      _cons |  -2.09e-08   .0522056    -0.00   1.000   -.1026653   .1026652
```

Source	SS	df	MS	Number of obs =	339
Model	.085450561	1	.085450561	F(1, 337) =	0.09
Residual	337.914534	337	1.00271375	Prob > F =	0.7705
Total	337.999985	338	.999999954	R-squared =	0.0003
				Adj R-squared =	-0.0027
				Root MSE =	1.0014

stdzmcumdo~2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzwmwhppa	.0159001	.0544666	0.29	0.771	-.0912372	.1230374
_cons	-5.96e-09	.0543862	-0.00	1.000	-.1069792	.1069792

Source	SS	df	MS	Number of obs =	363
Model	7.65907069	1	7.65907069	F(1, 361) =	7.80
Residual	354.340903	361	.981553747	Prob > F =	0.0055
Total	361.999973	362	.999999926	R-squared =	0.0212
				Adj R-squared =	0.0184
				Root MSE =	.99073

stdzfcumdo~2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfwwhppa	.1454567	.0520718	2.79	0.005	.0430545	.2478589
_cons	-2.18e-08	.052	-0.00	1.000	-.1022611	.102261

Source	SS	df	MS	Number of obs =	339
Model	3.86957302	1	3.86957302	F(1, 337) =	3.90
Residual	334.130423	337	.991484934	Prob > F =	0.0490
Total	337.999996	338	.999999988	R-squared =	0.0114
				Adj R-squared =	0.0085
				Root MSE =	.99573

> -						
stdzmcumdose3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
>]						
> -						
stdzwmwhpsleep	.1069974	.0541608	1.98	0.049	.0004617	.213533
> 1						
_cons	1.62e-08	.0540808	0.00	1.000	-.1063785	.106378
> 5						
> -						

Source	SS	df	MS	Number of obs =	363
Model	7.26277295	1	7.26277295	F(1, 361) =	7.39
Residual	354.73721	361	.982651551	Prob > F =	0.0069
				R-squared =	0.0201
				Adj R-squared =	0.0173
Total	361.999983	362	.999999953	Root MSE =	.99129

```
> -
stdzfcumdose3 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval
> ]
```

```
> -
stdzfwbpsleep |   .1416436   .0521009     2.72   0.007    .0391841    .244103
> 1
      _cons |  -3.27e-08   .0520291    -0.00   1.000   - .1023183    .102318
> 2
```

```
> -
```

Source	SS	df	MS	Number of obs =	339
Model	7.54803597	1	7.54803597	F(1, 337) =	7.70
Residual	330.45196	337	.980569614	Prob > F =	0.0058
				R-squared =	0.0223
				Adj R-squared =	0.0194
Total	337.999996	338	.999999988	Root MSE =	.99024

```
stdzmcumdo~3 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
stdzwmwhpel |   .1494372   .0538618     2.77   0.006    .0434895    .2553848
      _cons |  1.11e-08   .0537823     0.00   1.000   - .1057913    .1057913
```

Source	SS	df	MS	Number of obs =	363
Model	3.55944487	1	3.55944487	F(1, 361) =	3.58
Residual	358.440538	361	.992910078	Prob > F =	0.0591
				R-squared =	0.0098
				Adj R-squared =	0.0071
Total	361.999983	362	.999999953	Root MSE =	.99645

```
stdzfcumdo~3 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
stdzfwwhpel |   .0991601   .0523722     1.89   0.059   - .0038328    .202153
      _cons |  -3.05e-08   .0523     -0.00   1.000   - .102851    .1028509
```

Source	SS	df	MS	Number of obs =	339
Model	.189415478	1	.189415478	F(1, 337) =	0.19
Residual	337.81058	337	1.00240528	Prob > F =	0.6641
				R-squared =	0.0006
				Adj R-squared =	-0.0024
Total	337.999996	338	.999999988	Root MSE =	1.0012

stdzmcumdo~3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzwmwhppa	.0236728	.0544582	0.43	0.664	-.083448	.1307936
_cons	1.52e-08	.0543778	0.00	1.000	-.1069627	.1069627

Source	SS	df	MS	Number of obs =	363
Model	6.98459739	1	6.98459739	F(1, 361) =	7.10
Residual	355.015386	361	.983422121	Prob > F =	0.0080
				R-squared =	0.0193
				Adj R-squared =	0.0166
Total	361.999983	362	.999999953	Root MSE =	.99168

stdzfcumdo~3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
stdzfwwhppa	.1389045	.0521214	2.67	0.008	.0364049	.2414042
_cons	-3.14e-08	.0520495	-0.00	1.000	-.1023584	.1023583

```

140 .
141 .
142 .
143 . // test of weak nowcast rationality for BSI and whp endogenous variables
144 . // 1
145 . regress depagw1 fdepagw1 if gender==2

```

Source	SS	df	MS	Number of obs =	363
Model	114390.736	1	114390.736	F(1, 361) =	238.73
Residual	172975.104	361	479.155414	Prob > F =	0.0000
				R-squared =	0.3981
				Adj R-squared =	0.3964
Total	287365.84	362	793.828288	Root MSE =	21.89

depagw1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fdepagw1	1	.0647206	15.45	0.000	.8727232	1.127277
_cons	-7.51e-09	1.408506	-0.00	1.000	-2.769908	2.769908

```
146 .      test _b[fdepagw1] == 1
```

```
( 1)  fdepagw1 = 1
```

```
      F( 1, 361) =    0.00
      Prob > F =    1.0000
```

```
147 .      test _b[_cons] == 0, accum
```

```
( 1)  fdepagw1 = 1
```

```
( 2)  _cons = 0
```

```
      F( 2, 361) =    0.00
      Prob > F =    1.0000
```

```
148 .
```

```
149 .
```

```
150 . //2
```

```
151 . regress depagw2 fdepagw2 if gender==2
```

Source	SS	df	MS	Number of obs = 363		
Model	71645.5695	1	71645.5695	F(1, 361) = 402.28		
Residual	64294.1372	361	178.100103	Prob > F = 0.0000		
Total	135939.707	362	375.524052	R-squared = 0.5270		
				Adj R-squared = 0.5257		
				Root MSE = 13.345		

depagw2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fdepagw2	1	.0498583	20.06	0.000	.9019508	1.098049
_cons	5.87e-08	.85464	0.00	1.000	-1.680698	1.680698

```
152 .      test _b[fdepagw2] == 1
```

```
( 1)  fdepagw2 = 1
```

```
      F( 1, 361) =    0.00
      Prob > F =    1.0000
```



```
153 .      test _b[_cons] == 0, accum
```

```
( 1)  fdepagw2 = 1
```

```
( 2)  _cons = 0
```

```
      F( 2, 361) =    0.00
      Prob > F =    1.0000
```

```
154 .
```

```
155 .
```

```
156 . //3
```

```
157 .
```

```
158 . regress BSIanx fBSIanx if gender==2
```

Source	SS	df	MS	Number of obs = 363		
Model	1748.32396	1	1748.32396	F(1, 361) = 204.29		
Residual	3089.49973	361	8.558171	Prob > F = 0.0000		
Total	4837.82369	362	13.3641538	R-squared = 0.3614		
				Adj R-squared = 0.3596		
				Root MSE = 2.9254		

BSIanx	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fBSIanx	1	.0699648	14.29	0.000	.8624102	1.13759
_cons	2.81e-07	.6466356	0.00	1.000	-1.271645	1.271646

```
159 .      test _b[fBSIanx]==1
```

```
( 1)  fBSIanx = 1
```

```
      F( 1, 361) =    0.00
      Prob > F =    1.0000
```

```
160 .      test _b[_cons]==0, accum
```

```
( 1)  fBSIanx = 1
```

```
( 2)  _cons = 0
```

```
      F( 2, 361) =    0.00
      Prob > F =    1.0000
```

```

161 .
162 .
163 . // 4
164 .
165 . regress medcow3 fmedcow3 if gender==2

```

Source	SS	df	MS	Number of obs = 361		
Model	4016.38439	1	4016.38439	F(1, 359) = 262.77		
Residual	5487.3386	359	15.2850657	Prob > F = 0.0000		
Total	9503.72299	360	26.3992305	R-squared = 0.4226		
				Adj R-squared = 0.4210		
				Root MSE = 3.9096		

medcow3	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fmedcow3	1	.0616902	16.21	0.000	.8786805	1.12132
_cons	-8.65e-09	.3199864	-0.00	1.000	-.6292834	.6292833

```

166 .      test _b[fmedcow3]==1

( 1)  fmedcow3 = 1

      F( 1, 359) = 0.00
      Prob > F = 1.0000

```

```

167 .      test _b[_cons]==0, accum

( 1)  fmedcow3 = 1
( 2)  _cons = 0

      F( 2, 359) = 0.00
      Prob > F = 1.0000

```

```

168 .
169 .

```

```

170 .
171 . // 9
172 . regress BSIdep fBSIdep if gender==2

```

Source	SS	df	MS	Number of obs =	363
Model	3475.14937	1	3475.14937	F(1, 361) =	759.03
Residual	1652.80655	361	4.57841151	Prob > F =	0.0000
Total	5127.95592	362	14.1656241	R-squared =	0.6777
				Adj R-squared =	0.6768
				Root MSE =	2.1397

BSIdep	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fBSIdep	1	.036297	27.55	0.000	.9286199	1.07138
_cons	5.85e-08	.3680253	0.00	1.000	-.7237427	.7237428

```

173 . test _b[fBSIdep]==1

( 1)  fBSIdep = 1

F( 1, 361) = 0.00
Prob > F = 1.0000

```

```

174 . test _b[_cons]==0, accum

( 1)  fBSIdep = 1
( 2)  _cons = 0

F( 2, 361) = 0.00
Prob > F = 1.0000

```

```

175 .
176 .
177 .
178 . //10

```

```

179 .
180 . regress BSiposymp fBSiposymp if gender==2

```

Source	SS	df	MS	Number of obs = 363		
Model	245067.19	1	245067.19	F(1, 361) = 2138.31		
Residual	41373.5429	361	114.608152	Prob > F = 0.0000		
Total	286440.733	362	791.272742	R-squared = 0.8556		
				Adj R-squared = 0.8552		
				Root MSE = 10.706		

BSiposymp	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fBSiposymp	1	.0216255	46.24	0.000	.9574723	1.042528
_cons	7.64e-07	1.953313	0.00	1.000	-3.841301	3.841302

```

181 . test _b[fBSiposymp]==1

( 1) fBSiposymp = 1

F( 1, 361) = 0.00
Prob > F = 1.0000

```

```

182 . test _b[_cons]==0, accum

( 1) fBSiposymp = 1
( 2) _cons = 0

F( 2, 361) = 0.00
Prob > F = 1.0000

```

```

183 .
184 .
185 . // 11 whpsleep
186 .
187 . regress whpsleep fwpsleep

```

Source	SS	df	MS	Number of obs = 699		
Model	242567.455	1	242567.455	F(1, 697) = 520.74		
Residual	324668.545	697	465.80853	Prob > F = 0.0000		
Total	567236	698	812.659026	R-squared = 0.4276		
				Adj R-squared = 0.4268		
				Root MSE = 21.583		

whpsleep	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fwhpsleep	.9629172	.0421965	22.82	0.000	.8800697	1.045765
_cons	1.323828	1.217431	1.09	0.277	-1.066444	3.714101

188 . test _b[fwhpsleep]==1

(1) **fwhpsleep = 1**

 F(1, 697) = **0.77**
 Prob > F = **0.3798**

189 . test _b[_cons]==0, accum

(1) **fwhpsleep = 1**

(2) **_cons = 0**

 F(2, 697) = **0.60**
 Prob > F = **0.5507**

190 .

191 .

192 . // 17

193 . regress whppa fwhppa

Source	SS	df	MS	Number of obs =	700
Model	104106.793	1	104106.793	F(1, 698) =	492.25
Residual	147620.313	698	211.490419	Prob > F =	0.0000
Total	251727.105	699	360.124614	R-squared =	0.4136
				Adj R-squared =	0.4127
				Root MSE =	14.543

whppa	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fwhppa	.9142083	.0412051	22.19	0.000	.8333075	.9951091
_cons	.1304452	.8375527	0.16	0.876	-1.513979	1.77487

```

194 .      test _b[fwhppa]==1

      ( 1)  fwhppa = 1

            F( 1, 698) =    4.33
            Prob > F =    0.0377

```

```

195 .      test _b[_cons]==0, accum

      ( 1)  fwhppa = 1
      ( 2)  _cons = 0

            F( 2, 698) =    4.49
            Prob > F =    0.0115

```

```

196 .
197 .
198 . // 21
199 .      regress whpel fwhpel

```

Source	SS	df	MS	Number of obs = 699		
Model	276278.2	1	276278.2	F(1, 697) = 413.93		
Residual	465209.644	697	667.445688	Prob > F = 0.0000		
Total	741487.845	698	1062.3035	R-squared = 0.3726		
				Adj R-squared = 0.3717		
				Root MSE = 25.835		

whpel	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
fwhpel	.9464286	.0465182	20.35	0.000	.8550961	1.037761
_cons	1.79758	1.60108	1.12	0.262	-1.345939	4.941098

```

200 .      test _b[fwhpel]==1

      ( 1)  fwhpel = 1

            F( 1, 697) =    1.33
            Prob > F =    0.2499

```

```
201 .      test _b[_cons]==0, accum

      ( 1)  fwhpel = 1
      ( 2)  _cons = 0

      F( 2, 697) =    0.72
      Prob > F =    0.4859
```

```
202 .
203 .
204 .
205 .
206 .
207 .
```