

Stata Textbook Examples
Introductory Econometrics: A Modern Approach by Jeffrey M. Wooldridge (1st & 2nd eds.)
Chapter 8 - Heteroskedasticity

Example 8.1: Log Wage Equation with Heteroscedasticity-Robust Standard Errors

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/WAGE2
```

```
gen single=(~married)
```

```
gen male=(~female)
```

```
gen marrmale=male*married
```

```
gen marrfem=female*married
```

```
gen singfem=single*female
```

```
reg lwage marrmale marrfem singfem educ exper expersq tenure tenursq, robust
```

Regression with robust standard errors

Number of obs = 526
 F(8, 517) = 51.70
 Prob > F = 0.0000
 R-squared = 0.4609
 Root MSE = .39329

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
marrmale	.2126756	.0571419	3.72	0.000	.1004167	.3249345
marrfem	-.1982676	.05877	-3.37	0.001	-.313725	-.0828102
singfem	-.1103502	.0571163	-1.93	0.054	-.2225587	.0018583
educ	.0789103	.0074147	10.64	0.000	.0643437	.0934769
exper	.0268006	.0051391	5.22	0.000	.0167044	.0368967
expersq	-.0005352	.0001063	-5.03	0.000	-.0007442	-.0003263
tenure	.0290875	.0069409	4.19	0.000	.0154516	.0427234
tenursq	-.0005331	.0002437	-2.19	0.029	-.0010119	-.0000544
_cons	.321378	.109469	2.94	0.003	.1063193	.5364368

```
reg lwage marrmale marrfem singfem educ exper expersq tenure tenursq
```

Source	SS	df	MS	Number of obs =	526
Model	68.3617614	8	8.54522017	F(8, 517) =	55.25
Residual	79.9680004	517	.154676983	Prob > F =	0.0000
				R-squared =	0.4609
				Adj R-squared =	0.4525
Total	148.329762	525	.28253288	Root MSE =	.39329

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
marrmale	.2126756	.0553572	3.84	0.000	.103923	.3214283
marrfem	-.1982676	.0578355	-3.43	0.001	-.3118891	-.0846462
singfem	-.1103502	.0557421	-1.98	0.048	-.219859	-.0008414
educ	.0789103	.0066945	11.79	0.000	.0657585	.0920621
exper	.0268006	.0052428	5.11	0.000	.0165007	.0371005
expersq	-.0005352	.0001104	-4.85	0.000	-.0007522	-.0003183
tenure	.0290875	.006762	4.30	0.000	.0158031	.0423719
tenursq	-.0005331	.0002312	-2.31	0.022	-.0009874	-.0000789
_cons	.321378	.100009	3.21	0.001	.1249041	.517852

Example 8.2: Heteroscedastisity-Robust F Statistics

use <http://fmwww.bc.edu/ec-p/data/wooldridge/GPA3>

```
reg cumgpa sat hsperc tothrs female black white if term==2, robust
```

Regression with robust standard errors

Number of obs = 366
 F(6, 359) = 39.30
 Prob > F = 0.0000
 R-squared = 0.4006
 Root MSE = .46929

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cumgpa						
sat	.0011407	.0001915	5.96	0.000	.0007641	.0015174
hsperc	-.0085664	.0014179	-6.04	0.000	-.0113548	-.0057779
tothrs	.002504	.0007406	3.38	0.001	.0010475	.0039605
female	.3034333	.0591378	5.13	0.000	.1871332	.4197334
black	-.1282837	.1192413	-1.08	0.283	-.3627829	.1062155
white	-.0587217	.111392	-0.53	0.598	-.2777846	.1603411
_cons	1.470065	.2206802	6.66	0.000	1.036076	1.904053

```
reg cumgpa sat hsperc tothrs female black white if term==2
```

Source	SS	df	MS	Number of obs = 366		
Model	52.831358	6	8.80522634	F(6, 359) = 39.98	Prob > F = 0.0000	
Residual	79.062328	359	.220229326	R-squared = 0.4006	Adj R-squared = 0.3905	
Total	131.893686	365	.361352564	Root MSE = .46929		

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
cumgpa						
sat	.0011407	.0001786	6.39	0.000	.0007896	.0014919
hsperc	-.0085664	.0012404	-6.91	0.000	-.0110058	-.006127
tothrs	.002504	.000731	3.43	0.001	.0010664	.0039415
female	.3034333	.0590203	5.14	0.000	.1873643	.4195023
black	-.1282837	.1473701	-0.87	0.385	-.4181009	.1615335
white	-.0587217	.1409896	-0.42	0.677	-.3359909	.2185475
_cons	1.470065	.2298031	6.40	0.000	1.018135	1.921994

Example 8.3: Heteroskedasticity-Robust LM Statistic

use <http://fmwww.bc.edu/ec-p/data/wooldridge/CRIME1>

```
gen avgsensq=avgsen*avgsen
```

```
reg narr86 pcnv avgsen avgsensq ptime86 qemp86 inc86 black hispan, robust
```

Regression with robust standard errors

Number of obs = 2725
 F(8, 2716) = 29.84
 Prob > F = 0.0000
 R-squared = 0.0728
 Root MSE = .82843

narr86	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
pcnv	-.1355954	.0336218	-4.03	0.000	-.2015223	-.0696685
avgsen	.0178411	.0101233	1.76	0.078	-.0020091	.0376913
avgsensq	-.0005163	.0002077	-2.49	0.013	-.0009236	-.0001091
ptime86	-.03936	.0062236	-6.32	0.000	-.0515634	-.0271566
qemp86	-.0505072	.0142015	-3.56	0.000	-.078354	-.0226603
inc86	-.0014797	.0002295	-6.45	0.000	-.0019297	-.0010296
black	.3246024	.0585135	5.55	0.000	.2098669	.439338
hispan	.19338	.0402983	4.80	0.000	.1143616	.2723985
_cons	.5670128	.0402756	14.08	0.000	.4880389	.6459867

Turning point for avgsen

```
di _b[avgsen]/(2*_b[avgsensq])
-17.276862
```

```
reg narr86 pcnv ptime86 qemp86 inc86 black hispan
```

Source	SS	df	MS	Number of obs = 2725	
Model	143.977563	6	23.9962606	F(6, 2718)	= 34.95
Residual	1866.36959	2718	.686670196	Prob > F	= 0.0000
				R-squared	= 0.0716
				Adj R-squared	= 0.0696
Total	2010.34716	2724	.738012906	Root MSE	= .82866

narr86	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pcnv	-.1322784	.0403406	-3.28	0.001	-.2113797	-.0531771
ptime86	-.0377953	.008497	-4.45	0.000	-.0544566	-.021134
qemp86	-.0509814	.0144359	-3.53	0.000	-.0792878	-.022675
inc86	-.00149	.0003404	-4.38	0.000	-.0021575	-.0008224
black	.3296885	.0451778	7.30	0.000	.2411022	.4182748
hispan	.1954509	.0396929	4.92	0.000	.1176195	.2732823
_cons	.5703344	.0360073	15.84	0.000	.49973	.6409388

```
predict ubar1, resid
```

```
quiete reg avgsen pcnv ptime86 qemp86 inc86 black hispan
```

```
predict r1, r
```

```
quiete reg avgsensq pcnv ptime86 qemp86 inc86 black hispan
```

```
predict r2, r
```

```
quiete gen ur1 = ubar1*r1
```

```
quiete gen ur2 = ubar1*r2
```

```
gen iota = 1
```

```
reg iota ur1 ur2, noconstant
```

Source	SS	df	MS	Number of obs = 2725	
Model	3.99708536	2	1.99854268	F(2, 2723)	= 2.00
Residual	2721.00291	2723	.999266586	Prob > F	= 0.1355
				R-squared	= 0.0015
				Adj R-squared	= 0.0007
Total	2725.00	2725	1.00	Root MSE	= .99963

iota	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ur1	.0277846	.0140598	1.98	0.048	.0002156	.0553537
ur2	-.0010447	.0005479	-1.91	0.057	-.002119	.0000296

scalar hetlm = e(N)-e(rss)

scalar pval = chi2tail(2,hetlm)

display _n "Robust LM statistic : " %6.3f hetlm /*

> */ _n "Under H0, distrib Chi2(2), p-value: " %5.3f pval

Robust LM statistic : 3.997

Under H0, distrib Chi2(2), p-value: 0.136

reg narr86 pcnv ptime86 qemp86 inc86 black hispan

Source	SS	df	MS	Number of obs = 2725		
Model	143.977563	6	23.9962606	F(6, 2718)	=	34.95
Residual	1866.36959	2718	.686670196	Prob > F	=	0.0000
				R-squared	=	0.0716
				Adj R-squared	=	0.0696
				Root MSE	=	.82866

narr86	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pcnv	-.1322784	.0403406	-3.28	0.001	-.2113797	-.0531771
ptime86	-.0377953	.008497	-4.45	0.000	-.0544566	-.021134
qemp86	-.0509814	.0144359	-3.53	0.000	-.0792878	-.022675
inc86	-.00149	.0003404	-4.38	0.000	-.0021575	-.0008224
black	.3296885	.0451778	7.30	0.000	.2411022	.4182748
hispan	.1954509	.0396929	4.92	0.000	.1176195	.2732823
_cons	.5703344	.0360073	15.84	0.000	.49973	.6409388

predict ubar2, resid

reg ubar2 pcnv avgsen avgsensq ptime86 qemp86 inc86 black hispan

Source	SS	df	MS	Number of obs = 2725		
Model	2.37155739	8	.296444674	F(8, 2716)	=	0.43
Residual	1863.99804	2716	.686302664	Prob > F	=	0.9025
				R-squared	=	0.0013
				Adj R-squared	=	-0.0017
				Root MSE	=	.82843

ubar1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pcnv	-.003317	.0403699	-0.08	0.935	-.0824758	.0758418
avgsen	.0178411	.009696	1.84	0.066	-.0011713	.0368534
avgsensq	-.0005163	.000297	-1.74	0.082	-.0010987	.0000661
ptime86	-.0015647	.0086935	-0.18	0.857	-.0186112	.0154819
qemp86	.0004742	.0144345	0.03	0.974	-.0278295	.0287779
inc86	.0000103	.0003405	0.03	0.976	-.0006574	.000678
black	-.0050861	.0454188	-0.11	0.911	-.094145	.0839729
hispan	-.0020709	.0397035	-0.05	0.958	-.0799229	.0757812
_cons	-.0033216	.0360573	-0.09	0.927	-.0740242	.0673809

scalar lm1 = e(N)*e(r2)

```
display _n "LM statistic : " %6.3f lml /*
```

LM statistic : 3.5425

Example 8.4: Heteroscedasticity in Housing Price Equation

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/HPRICE1
```

```
reg price lotsize sqrft bdrms
```

Source	SS	df	MS			
Model	617130.701	3	205710.234	Number of obs =	88	
Residual	300723.805	84	3580.0453	F(3, 84) =	57.46	
Total	917854.506	87	10550.0518	Prob > F =	0.0000	
				R-squared =	0.6724	
				Adj R-squared =	0.6607	
				Root MSE =	59.833	

	price	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lotsize		.0020677	.0006421	3.22	0.002	.0007908	.0033446
sqrft		.1227782	.0132374	9.28	0.000	.0964541	.1491022
bdrms		13.85252	9.010145	1.54	0.128	-4.06514	31.77018
_cons		-21.77031	29.47504	-0.74	0.462	-80.38466	36.84404

```
whitetst, fitted
```

White's special test statistic : 16.26842 Chi-sq(2) P-value = 2.9e-04

```
reg lprice llotsize lsqrft bdrms
```

Source	SS	df	MS			
Model	5.15504028	3	1.71834676	Number of obs =	88	
Residual	2.86256324	84	.034078134	F(3, 84) =	50.42	
Total	8.01760352	87	.092156362	Prob > F =	0.0000	
				R-squared =	0.6430	
				Adj R-squared =	0.6302	
				Root MSE =	.1846	

	lprice	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
llotsize		.1679667	.0382812	4.39	0.000	.0918404	.244093
lsqrft		.7002324	.0928652	7.54	0.000	.5155597	.8849051
bdrms		.0369584	.0275313	1.34	0.183	-.0177906	.0917074
_cons		-1.297042	.6512836	-1.99	0.050	-2.592191	-.0018931

```
whitetst, fitted
```

White's special test statistic : 3.447243 Chi-sq(2) P-value = .1784

Example 8.5: Special Form of the White Test in the Log Housing Price Equation

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/HPRICE1
```

```
reg lprice llotsize lsqrft bdrms
```

Source	SS	df	MS			
Model	5.15504028	3	1.71834676	Number of obs =	88	
Residual	2.86256324	84	.034078134	F(3, 84) =	50.42	

Model		5.15506425	3	1.71835475	Prob > F	=	0.0000
Residual		2.86255771	84	.034078068	R-squared	=	0.6430
-----+							
Total		8.01762195	87	.092156574	Adj R-squared	=	0.6302

lprice		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----+							
llotsize		.167968	.0382811	4.39	0.000	.0918418	.2440941
lsqrft		.7002326	.0928652	7.54	0.000	.5155601	.8849051
bdrms		.0369585	.0275313	1.34	0.183	-.0177905	.0917075
_cons		5.6107	.6512829	8.61	0.000	4.315553	6.905848

whitetst, fitted

White's special test statistic : 3.447286 Chi-sq(2) P-value = .1784

Example 8.6: Family Saving Equation

use <http://fmwww.bc.edu/ec-p/data/wooldridge/SAVING>

reg sav inc

Source		SS	df	MS	Number of obs =	100	
-----+							
Model		66368437.0	1	66368437.0	F(1, 98) =	6.49	
Residual		1.0019e+09	98	10223460.8	Prob > F	= 0.0124	
-----+							
Total		1.0683e+09	99	10790581.8	R-squared	= 0.0621	

sav		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----+							
inc		.1466283	.0575488	2.55	0.012	.0324247	.260832
_cons		124.8424	655.3931	0.19	0.849	-1175.764	1425.449

reg sav inc [aw = 1/inc]

(sum of wgt is 1.3877e-02)

Source		SS	df	MS	Number of obs =	100	
-----+							
Model		58142339.8	1	58142339.8	F(1, 98) =	9.14	
Residual		623432468	98	6361555.80	Prob > F	= 0.0032	
-----+							
Total		681574808	99	6884594.02	R-squared	= 0.0853	

sav		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----+							
inc		.1717555	.0568128	3.02	0.003	.0590124	.2844986
_cons		-124.9528	480.8606	-0.26	0.796	-1079.205	829.2994

reg sav inc size educ age black

Source		SS	df	MS	Number of obs =	100	
-----+							
Model		88426246.4	5	17685249.3	F(5, 94) =	1.70	
Residual		979841351	94	10423844.2	Prob > F	= 0.1430	

-----+-----				Adj R-squared = 0.0340		
Total		1.0683e+09	99	10790581.8	Root MSE = 3228.6	
-----+-----						
sav		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----+-----						
inc		.109455	.0714317	1.53	0.129	-.0323742 .2512842
size		67.66119	222.9642	0.30	0.762	-375.0395 510.3619
educ		151.8235	117.2487	1.29	0.199	-80.97646 384.6235
age		.2857217	50.03108	0.01	0.995	-99.05217 99.62361
black		518.3934	1308.063	0.40	0.693	-2078.796 3115.583
_cons		-1605.416	2830.707	-0.57	0.572	-7225.851 4015.019
-----+-----						

reg sav inc size educ age black [aw = 1/inc]

(sum of wgt is 1.3877e-02)

-----+-----				Number of obs = 100	
Source		SS	df	MS	F(5, 94) = 2.19
Model		71020334.9	5	14204067.0	Prob > F = 0.0621
Residual		610554473	94	6495260.35	R-squared = 0.1042
-----+-----					
Total		681574808	99	6884594.02	Adj R-squared = 0.0566
					Root MSE = 2548.6

-----+-----						
sav		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----+-----						
inc		.1005179	.0772511	1.30	0.196	-.052866 .2539017
size		-6.868501	168.4327	-0.04	0.968	-341.2956 327.5586
educ		139.4802	100.5362	1.39	0.169	-60.1368 339.0972
age		21.74721	41.30598	0.53	0.600	-60.26678 103.7612
black		137.2842	844.5941	0.16	0.871	-1539.677 1814.246
_cons		-1854.814	2351.797	-0.79	0.432	-6524.362 2814.734
-----+-----						

Example 8.7: Demand for Cigarettes

use <http://fmwww.bc.edu/ec-p/data/wooldridge/SMOKE>

reg cigs lncome lcigpric educ age agesq restaurn

-----+-----				Number of obs = 807	
Source		SS	df	MS	F(6, 800) = 7.42
Model		8003.02506	6	1333.83751	Prob > F = 0.0000
Residual		143750.658	800	179.688322	R-squared = 0.0527
-----+-----					
Total		151753.683	806	188.280003	Adj R-squared = 0.0456
					Root MSE = 13.405

-----+-----						
cigs		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----+-----						
lncome		.8802689	.7277838	1.21	0.227	-.5483223 2.30886
lcigpric		-.7508498	5.773343	-0.13	0.897	-12.08354 10.58184
educ		-.5014982	.1670772	-3.00	0.003	-.8294597 -.1735368
age		.7706936	.1601223	4.81	0.000	.456384 1.085003
agesq		-.0090228	.001743	-5.18	0.000	-.0124443 -.0056013
restaurn		-2.825085	1.111794	-2.54	0.011	-5.007462 -.642708
_cons		-3.639884	24.07866	-0.15	0.880	-50.9047 43.62493
-----+-----						

Change in cigs if income increases by 10%

```
display _b[lincome]*10/100
.08802689
```

Turnover point for age

```
display _b[age]/2/_b[agesq]
-42.708116
```

```
whitetst, fitted
```

```
White's special test statistic : 26.57258 Chi-sq( 2) P-value = 1.7e-06
```

```
gen lubar=log(ub*ub)
```

```
qui reg lubar lincome lcigpric educ age agesq restaurn
```

```
predict cigsh, xb
```

```
gen cigse = exp(cigsh)
```

```
reg cigs lincome lcigpric educ age agesq restaurn [aw=1/cigse]
```

```
(sum of wgt is 1.9977e+01)
```

Source	SS	df	MS	Number of obs =	807
Model	10302.6415	6	1717.10692	F(6, 800) =	17.06
Residual	80542.0684	800	100.677586	Prob > F =	0.0000
				R-squared =	0.1134
				Adj R-squared =	0.1068
Total	90844.71	806	112.710558	Root MSE =	10.034

cigs	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
lincome	1.295241	.4370118	2.96	0.003	.4374154 2.153066
lcigpric	-2.94028	4.460142	-0.66	0.510	-11.69524 5.814684
educ	-.4634462	.1201586	-3.86	0.000	-.6993095 -.2275829
age	.4819474	.0968082	4.98	0.000	.2919194 .6719755
agesq	-.0056272	.0009395	-5.99	0.000	-.0074713 -.0037831
restaurn	-3.461066	.7955047	-4.35	0.000	-5.022589 -1.899543
_cons	5.63533	17.80313	0.32	0.752	-29.31103 40.58169

Example 8.8: Labor Force Participation of Married Women

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/MROZ
```

```
reg inlf nwifeinc educ exper expersq age kidslt6 kidsge6
```

Source	SS	df	MS	Number of obs =	753
Model	48.8080578	7	6.97257968	F(7, 745) =	38.22
Residual	135.919698	745	.182442547	Prob > F =	0.0000
				R-squared =	0.2642
				Adj R-squared =	0.2573
Total	184.727756	752	.245648611	Root MSE =	.42713

inlf	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
nwifeinc	-.0034052	.0014485	-2.35	0.019	-.0062488 -.0005616
educ	.0379953	.007376	5.15	0.000	.023515 .0524756
exper	.0394924	.0056727	6.96	0.000	.0283561 .0506287


```

expersq | -.0005963 .0001848 -3.23 0.001 -.0009591 -.0002335
age | -.0160908 .0024847 -6.48 0.000 -.0209686 -.011213
kidslt6 | -.2618105 .0335058 -7.81 0.000 -.3275875 -.1960335
kidsge6 | .0130122 .013196 0.99 0.324 -.0128935 .0389179
_cons | .5855192 .154178 3.80 0.000 .2828442 .8881943

```

```
reg inlf nwifeinc educ exper expersq age kidslt6 kidsge6, robust
```

```

Regression with robust standard errors
Number of obs = 753
F( 7, 745) = 62.48
Prob > F = 0.0000
R-squared = 0.2642
Root MSE = .42713

```

```

-----
            |           Robust
            |           Coef.   Std. Err.   t    P>|t|   [95% Conf. Interval]
-----+-----
nwifeinc | -.0034052   .0015249   -2.23  0.026   -0.0063988   -0.0004115
educ     | .0379953   .007266    5.23  0.000    .023731    .0522596
exper    | .0394924   .00581     6.80  0.000    .0280864    .0508983
expersq  | -.0005963   .00019    -3.14  0.002   -0.0009693   -0.0002233
age      | -.0160908   .002399   -6.71  0.000   -0.0208004   -0.0113812
kidslt6  | -.2618105   .0317832  -8.24  0.000   -0.3242058   -0.1994152
kidsge6  | .0130122   .0135329   0.96  0.337   -0.013555    .0395795
_cons    | .5855192   .1522599   3.85  0.000    .2866098    .8844287
-----

```

Example 8.9: Determinants of Personal Computer Ownership

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/GPA1
```

```
gen parcoll = (mothcoll | fathcoll)
```

```
reg PC hsGPA ACT parcoll
```

```

Source |           SS           df           MS           Number of obs = 141
-----+-----
Model |  1.40186813           3   .467289377   F( 3, 137) = 1.98
Residual | 32.3569971          137   .236182461   Prob > F = 0.1201
-----+-----
Total | 33.7588652          140   .241134752   R-squared = 0.0415
                                           Adj R-squared = 0.0205
                                           Root MSE = .48599

```

```

-----
            PC |           Coef.   Std. Err.   t    P>|t|   [95% Conf. Interval]
-----+-----
hsGPA | .0653943   .1372576    0.48  0.635   -0.2060231    .3368118
ACT | .0005645   .0154967    0.04  0.971   -0.0300792    .0312082
parcoll | .2210541   .092957    2.38  0.019    .037238    .4048702
_cons | -.0004322   .4905358   -0.00  0.999   -0.970433    .9695686
-----

```

```
predict phat
```

```
gen h=phat*(1-phat)
```

```
reg PC hsGPA ACT parcoll [aw=1/h]
```

```
(sum of wgt is 6.2818e+02)
```

```

Source |           SS           df           MS           Number of obs = 141
-----+-----
Model |  1.54663033           3   .515543445   F( 3, 137) = 2.22
Prob > F = 0.0882

```

Residual		31.7573194	137	.231805251		R-squared	=	0.0464

Total		33.3039497	140	.237885355		Adj R-squared	=	0.0256

						Root MSE	=	.48146

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

hsGPA		.0327029	.1298817	0.25	0.802	-.2241292		.289535
ACT		.004272	.0154527	0.28	0.783	-.0262847		.0348286
parcoll		.2151862	.0862918	2.49	0.014	.04455		.3858224
_cons		.0262099	.4766498	0.05	0.956	-.9163323		.9687521

This page prepared by Oleksandr Talavera (revised 8 Nov 2002)

Send your questions/comments/suggestions to Kit Baum at **baum@bc.edu**
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