

#### Biost 518: Applied Biostatistics II  
 #### Emerson, Winter 2006

#### Homework #4 Key  
 #### Annotated Stata Log File  
 #### February 6, 2006

#### The following output was used to generate the numbers that I wanted to present  
 #### in tables, as well as the plots I wanted to present as figures in the paper.  
 #### I note that Stata does not present its output in a form suitable for presentation.  
 #### Numbers need to be rounded to an interesting number of significant digits, and  
 #### the columns and rows need to facilitate comparison of relevant measures.  
 #### I used Excel to manipulate this output into the form I wanted, then copied the  
 #### resulting tables to the MS-Word document.

#### Comments edited into the log file produced by Stata are  
 #### on the lines that start with the four '#' signs and are  
 #### printed in italics.

#### The Stata commands are put in **bold face**.

#### Stata output is displayed in **regular typeface in blue**.

#### Create age categories.

```
. summ age
Variable |      Obs      Mean   Std. Dev.   Min       Max
-----+-----
      age |     5000    72.8304    5.596418      65      100
```

. **g** agectg=age

. **recode** agectg 65/69.99=65 70/74.99=70 75/79.99=75 80/84.99=85 85/89.99=85 90/101=90  
 (4153 changes made)

#### Descriptive statistics by sex and age.

```
. twoway (scatter crp age if gender==0, mc("pink") ms("O") jitter(1)) (scatter crp age if
gender==1, mc("blue") ms("X") jitter(1)) (lowess crp age if gender==0, lc("pink")) (lowess
crp age if gender==1, lc("blue"))
```

. **tabstat** crp if gender==0, by(agectg) stat(n me sd min q max)

Summary for variables: crp  
 by categories of: agectg

agectg	N	mean	sd	min	p25	p50	p75	max
65	1054	3.914791	6.402524	.07	1.02	2.115	3.71	86.36
70	889	3.514938	4.633591	.07	1.12	2.11	3.65	62.79
75	581	3.420189	5.037682	.1	.93	1.94	3.35	50.06
80	244	3.592172	5.73564	.16	.775	1.67	3.405	41.77
85	74	2.760135	3.014518	.21	.7	1.475	3.06	12.58
90	19	1.862632	1.282783	.31	.86	1.48	3.08	4.55
Total	2861	3.619095	5.479621	.07	.98	2.02	3.59	86.36

. **tabstat** crp if gender==1, by(agectg) stat(n me sd min q max)

Summary for variables: crp  
 by categories of: agectg

agectg	N	mean	sd	min	p25	p50	p75	max
--------	---	------	----	-----	-----	-----	-----	-----

65	644	3.466522	7.545038	.19	.93	1.76	3.07	107.97
70	688	3.135916	5.100867	.07	.93	1.72	2.98	47.82
75	431	3.903318	7.326444	.2	.89	1.78	3.49	82.95
80	219	4.092055	7.54786	.26	.87	1.76	3.09	51.45
85	70	4.537429	8.1201	.17	.91	1.975	3.88	53.14
90	20	6.505	16.6208	.39	.725	2.365	3.335	75.97
-----								
Total	2072	3.579228	6.95783	.07	.915	1.76	3.11	107.97
-----								

#### Regression for 1b.

. regress crp gender, robust

Regression with robust standard errors

Number of obs = 4933  
 F( 1, 4931) = 0.05  
 Prob > F = 0.8285  
 R-squared = 0.0000  
 Root MSE = 6.1439

crp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
gender	-.0398669	.1840065	-0.22	0.828	-.4006015	.3208676
_cons	3.619095	.1024481	35.33	0.000	3.418251	3.819939

#### Regression for 1c.

. regress crp age, robust

Regression with robust standard errors

Number of obs = 4933  
 F( 1, 4931) = 0.00  
 Prob > F = 0.9693  
 R-squared = 0.0000  
 Root MSE = 6.144

crp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age	.0007067	.0183824	0.04	0.969	-.035331	.0367444
_cons	3.550901	1.33932	2.65	0.008	.9252384	6.176565

#### Regression for 1d and 1e.

. regress crp age gender, robust

Regression with robust standard errors

Number of obs = 4933  
 F( 2, 4930) = 0.03  
 Prob > F = 0.9725  
 R-squared = 0.0000  
 Root MSE = 6.1446

crp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
age	.0009124	.0182429	0.05	0.960	-.0348519	.0366767
gender	-.0404565	.182107	-0.22	0.824	-.3974674	.3165544
_cons	3.55292	1.341169	2.65	0.008	.9236315	6.182209

#### Regression for 1f.

. regress crp age if gender==0, robust

Regression with robust standard errors

Number of obs = 2861  
 F( 1, 2859) = 7.95  
 Prob > F = 0.0048  
 R-squared = 0.0026  
 Root MSE = 5.4734

```
-----+-----
```

	crp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
	age	-.0510617	.018112	-2.82	0.005	-.0865755	-.0155479
	_cons	7.322454	1.34269	5.45	0.000	4.689714	9.955193

```
-----+-----
```

#### Regression for lg.

. regress crp age if gender==1, robust

Regression with robust standard errors

Number of obs = 2072  
 F( 1, 2070) = 3.99  
 Prob > F = 0.0459  
 R-squared = 0.0031  
 Root MSE = 6.9486

```
-----+-----
```

	crp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
	age	.0689655	.0345218	2.00	0.046	.0012644	.1366667
	_cons	-1.467205	2.5053	-0.59	0.558	-6.380375	3.445964

```
-----+-----
```

#### Regression for lh.

. g agesex= age \* gender

. regress crp age gender agesex, robust

Regression with robust standard errors

Number of obs = 4933  
 F( 3, 4929) = 3.98  
 Prob > F = 0.0076  
 R-squared = 0.0029  
 Root MSE = 6.1363

```
-----+-----
```

	crp	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
	age	-.0510617	.018113	-2.82	0.005	-.0865712	-.0155522
	gender	-8.789659	2.842283	-3.09	0.002	-14.3618	-3.217518
	agesex	.1200273	.0389827	3.08	0.002	.0436038	.1964508
	_cons	7.322454	1.342765	5.45	0.000	4.690035	9.954872

```
-----+-----
```

#### Problem 2.

#### Categories for cholesterol.

. tabstat chol, stat(me sd min q max)

variable	mean	sd	min	p25	p50	p75	max
cholest	211.6893	39.28814	73	186	210	236	430

```
-----+-----
```

. g cholctg=cholest

(47 missing values generated)

. recode cholctg 0/160=0 160/180=1 180/200=2 200/220=3 220/240=4 240/260=5 260/500=6

(4953 changes made)

#### Descriptive statistics by cholesterol category.

. tabstat crp, by(cholctg) stat(n me sd min q max)

Summary for variables: crp

by categories of: cholctg

cholctg	N	mean	sd	min	p25	p50	p75	max
0	404	5.324876	11.20052	.1	.75	1.9	3.635	99.71
1	586	4.311075	8.461507	.07	.97	1.94	3.53	107.97
2	960	3.439906	5.326833	.1	.885	1.805	3.235	53.96

3	1028	3.453745	5.23887	.1	.95	1.875	3.425	66.47
4	859	2.913923	3.833884	.07	.96	1.82	3.22	62.79
5	541	3.581128	5.233808	.16	1.1	2.11	3.51	56.83
6	552	3.229511	3.990233	.17	1.03	2.03	3.23	29.61
-----								
Total	4930	3.601103	6.143637	.07	.95	1.9	3.38	107.97
-----								

. twoway (scatter crp\_cholest) (lowess crp\_cholest)

#### Regression for 2b.

. regress crp\_cholest, robust

Regression with robust standard errors

Number of obs = 4930  
 F( 1, 4928) = 15.18  
 Prob > F = 0.0001  
 R-squared = 0.0060  
 Root MSE = 6.1258

crp_cholest	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cholest	-.0121279	.0031129	-3.90	0.000	-.0182306	-.0060253
_cons	6.16838	.7063241	8.73	0.000	4.78367	7.55309

#### Regression for 2c.

. g cholsqr=cholest^2

(47 missing values generated)

. regress crp\_cholest cholsqr, robust

Regression with robust standard errors

Number of obs = 4930  
 F( 2, 4927) = 9.52  
 Prob > F = 0.0001  
 R-squared = 0.0150  
 Root MSE = 6.0986

crp_cholest	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cholest	-.1151435	.0291478	-3.95	0.000	-.1722861	-.0580009
cholsqr	.0002354	.0000623	3.78	0.000	.0001133	.0003574
_cons	17.06689	3.34314	5.11	0.000	10.51284	23.62093

#### Finding the minimum: If  $Y = Ax^2 + Bx + C$ , then the minimum (or maximum) occurs at

####  $x = -B / (2*A)$

#### (this is a minimum if A is positive, a maximum if A is negative)

. display - (-.1151435/.0002354/2)

244.56988

#### Problem 3.

#### Descriptive statistics.

. tabstat cholest, by(cholctg) stat(n me sd min q max)

Summary for variables: cholest

by categories of: cholctg

cholctg	N	mean	sd	min	p25	p50	p75	max
0	406	143.5936	14.20832	73	136	148	154	159
1	591	170.6447	5.632139	160	166	171	176	179
2	963	190.2388	5.694315	180	186	190	195	199
3	1033	209.8025	5.612979	200	205	210	215	219
4	862	229.0893	5.730709	220	224	229	234	239
5	543	248.5378	5.664836	240	244	248	253	259
6	555	282.8649	23.22892	260	266	276	292	430

```
-----
Total |      4953  211.6893  39.28814          73      186      210      236      430
-----
```

```
. stset ttodth, fail(death)
      failure event:  death ~= 0 & death ~= .
obs. time interval:  (0, ttodth]
exit on or before:  failure
```

```
-----
5000 total obs.
      0 exclusions
-----
5000 obs. remaining, representing
1121 failures in single record/single failure data
1.18e+07 total analysis time at risk, at risk from t =      0
          earliest observed entry t =      0
          last observed exit t =      2942
```

```
. sts graph, by(cholctg)
. sts list, by(cholctg) at(365 730 1826 2922)
```

```
      failure _d:  death
analysis time _t:  ttodth
```

Time	Beg. Total	Fail	Survivor Function	Std. Error	[95% Conf. Int.]	
cholctg=0						
365	394	13	0.9680	0.0087	0.9455	0.9813
730	384	10	0.9433	0.0115	0.9160	0.9620
1826	278	62	0.7845	0.0208	0.7404	0.8221
2922	12	49	0.6060	0.0305	0.5434	0.6628
cholctg=1						
365	577	15	0.9746	0.0065	0.9583	0.9846
730	562	15	0.9492	0.0090	0.9282	0.9642
1826	441	66	0.8343	0.0155	0.8014	0.8623
2922	15	68	0.6889	0.0214	0.6448	0.7287
cholctg=2						
365	951	13	0.9865	0.0037	0.9769	0.9921
730	929	22	0.9637	0.0060	0.9497	0.9738
1826	729	110	0.8453	0.0118	0.8205	0.8670
2922	28	82	0.7378	0.0156	0.7058	0.7669
cholctg=3						
365	1014	20	0.9806	0.0043	0.9702	0.9875
730	990	24	0.9574	0.0063	0.9432	0.9681
1826	802	82	0.8753	0.0104	0.8532	0.8942
2922	25	103	0.7277	0.0256	0.6737	0.7743
cholctg=4						
365	852	11	0.9872	0.0038	0.9771	0.9929
730	837	15	0.9698	0.0058	0.9560	0.9794
1826	693	55	0.9043	0.0101	0.8824	0.9223
2922	27	71	0.8046	0.0146	0.7741	0.8314
cholctg=5						
365	535	9	0.9834	0.0055	0.9684	0.9913
730	522	13	0.9595	0.0085	0.9391	0.9731
1826	437	43	0.8773	0.0143	0.8462	0.9025
2922	16	30	0.7988	0.0202	0.7557	0.8352
cholctg=6						
365	550	6	0.9892	0.0044	0.9761	0.9951
730	538	12	0.9676	0.0075	0.9490	0.9794
1826	448	42	0.8897	0.0135	0.8602	0.9133
2922	14	50	0.7745	0.0206	0.7309	0.8119

```
. #### Regression for 3b.
. stcox cholest
```

```

failure _d: death
analysis time _t: ttodth
No. of subjects = 4953          Number of obs = 4953
No. of failures = 1111
Time at risk = 11757827
Log likelihood = -9173.1039    LR chi2(1) = 47.48
                                Prob > chi2 = 0.0000
    
```

_____t						
_____d	Haz. Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
cholest	.9945688	.0007941	-6.82	0.000	.9930136	.9961265

```

. display .9945688^50
.76162564
    
```

```

. display .9930136^50
.70430346
    
```

```

. display .9961256^50
.82357863
    
```

```

#### Regression for 3c.
. g cenchol= cholest - 200
(47 missing values generated)
    
```

```

. g cenchol2= cenchol^2
(47 missing values generated)
    
```

```

. stcox cenchol cenchol2, robust
failure _d: death
analysis time _t: ttodth
No. of subjects = 4953          Number of obs = 4953
No. of failures = 1111
Time at risk = 11757827
Log likelihood = -9168.2642    Wald chi2(2) = 63.20
                                Prob > chi2 = 0.0000
    
```

_____t		Robust				
_____d	Haz. Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
cenchol	.9937509	.0007865	-7.92	0.000	.9922106	.9952937
cenchol2	1.000037	.0000112	3.31	0.001	1.000015	1.000059

```

#### The following code will produce the estimated hazard ratios.
. g fitHR = exp(log(.9937509) * cenchol + log(1.000037) * cenchol2)
    
```

```

#### The following code will produce the estimated hazard ratios with more
#### precision (less roundoff error).
. predict fHR
(option hr assumed; relative hazard)
    
```

```

. summ fHR
Variable | Obs      Mean      Std. Dev.      Min      Max
-----+-----
fHR | 4953    1.014085    .2536373    .7680746    4.041481
    
```

```

. list fHR cholest if fHR<.76808
fHR      cholest
868.    .7680746      284
    
```

```
2410. .7680746      284
4028. .7680746      284
```

```
. scatter fHR cholest
```

```
. #### Problem 4.
. #### Descriptive statistics.
. centile crp, cen(10 20 30 40 50 60 70 80 90)
```

Variable	Obs	Percentile	Centile	-- Binom. Interp. -- [95% Conf. Interval]	
crp	4933	10	0.52	0.50	0.54
		20	0.78	0.75	0.82
		30	1.13	1.09	1.17
		40	1.50	1.43	1.56
		50	1.90	1.84	1.96
		60	2.40	2.33	2.47
		70	2.97	2.89	3.05
		80	4.13	3.84	4.55
		90	8.21	7.64	8.82

```
. g crpctg= crp
(67 missing values generated)
. recode crpctg 0/.5= 0 .5/1=1 1.001/2=2 2.001/4=4 4.001/8=8 8.001/110=16
(4906 changes made)
```

```
. tabstat crp, by(crpctg) stat(n me sd min q max)
Summary for variables: crp
by categories of: crpctg
```

crpctg	N	mean	sd	min	p25	p50	p75	max
0	428	.3663551	.0896874	.07	.31	.38	.44	.49
1	885	.7288475	.1495545	.5	.6	.71	.86	1
2	1265	1.486711	.2857354	1.01	1.23	1.47	1.73	2
4	1355	2.793129	.5251494	2.01	2.35	2.73	3.18	4
8	486	5.822922	1.068466	4.01	4.92	5.8	6.72	7.99
16	514	16.4849	12.41304	8.01	9.79	12.205	17.39	107.97
Total	4933	3.602349	6.143344	.07	.95	1.9	3.38	107.97

```
. sts graph, by(crpctg)
. sts list, by(crpctg) at(365 730 1826 2922)
failure _d: death
analysis time _t: ttodth
```

Time	Beg. Total	Fail	Survivor Function	Std. Error	[95% Conf. Int.]	
crpctg=0						
365	428	1	0.9977	0.0023	0.9835	0.9997
730	422	6	0.9836	0.0061	0.9660	0.9922
1826	359	32	0.9064	0.0143	0.8740	0.9307
2922	14	41	0.7892	0.0219	0.7424	0.8285
crpctg=1						
365	878	8	0.9910	0.0032	0.9820	0.9955
730	862	16	0.9729	0.0055	0.9598	0.9817
1826	742	61	0.9024	0.0101	0.8807	0.9203
2922	25	76	0.7727	0.0278	0.7125	0.8220
crpctg=2						
365	1253	13	0.9897	0.0028	0.9824	0.9940
730	1241	12	0.9802	0.0039	0.9709	0.9866

1826	1015	109	0.8908	0.0089	0.8720	0.9071
2922	40	102	0.7913	0.0125	0.7655	0.8147
crpctg=4						
365	1328	28	0.9793	0.0039	0.9702	0.9857
730	1293	35	0.9535	0.0057	0.9409	0.9635
1826	1042	130	0.8550	0.0097	0.8348	0.8728
2922	40	132	0.7315	0.0135	0.7040	0.7570
crpctg=8						
365	466	21	0.9568	0.0092	0.9345	0.9716
730	448	18	0.9198	0.0123	0.8918	0.9407
1826	326	61	0.7901	0.0187	0.7506	0.8241
2922	5	46	0.6436	0.0285	0.5848	0.6962
crpctg=16						
365	499	16	0.9689	0.0077	0.9497	0.9808
730	476	23	0.9241	0.0117	0.8976	0.9440
1826	330	66	0.7869	0.0186	0.7477	0.8207
2922	13	56	0.6196	0.0286	0.5608	0.6729

Note: Survivor function is calculated over full data and evaluated at indicated times; it is not calculated from aggregates shown at left.

. summ fib

Variable	Obs	Mean	Std. Dev.	Min	Max
fib	4915	322.978	67.28736	109	872

. g fibctg= fib

(85 missing values generated)

. recode fibctg 0/250=250 250/275=275 275/300=300 300/325=325 325/350=350 350/375=375  
375/400=400 400/1000=450  
(4915 changes made)

. tabstat fib, by(fibctg) stat(n me sd min q max)

Summary for variables: fib

by categories of: fibctg

fibctg	N	mean	sd	min	p25	p50	p75	max
250	479	223.8747	20.35781	109	217	230	238	249
275	692	262.1329	7.564271	250	253	266	270	274
300	673	286.2169	4.69459	275	281	285	289	299
325	797	308.6913	4.830035	300	307	307	311	324
350	776	333.8338	5.449067	325	331	334	337	349
375	631	361.8384	5.125645	350	358	361	367	374
400	298	390.4564	5.757131	375	387	393	395	398
800	569	450.6555	58.03154	400	407	436	464	872
Total	4915	322.978	67.28736	109	281	311	361	872

. sts graph, by(fibctg)

. sts list, by(fibctg) at(365 730 1826 2922)

failure \_d: death  
analysis time \_t: ttodth

Time	Beg. Total	Fail	Survivor Function	Std. Error	[95% Conf. Int.]
fibctg=250					
365	476	4	0.9916	0.0042	0.9779 0.9969
730	469	7	0.9770	0.0068	0.9589 0.9872
1826	400	36	0.8996	0.0139	0.8686 0.9236

2922	11	47	0.7611	0.0261	0.7051	0.8078
fibctg=275						
365	687	6	0.9913	0.0035	0.9808	0.9961
730	679	8	0.9798	0.0054	0.9661	0.9880
1826	597	48	0.9092	0.0110	0.8851	0.9285
2922	11	54	0.8000	0.0208	0.7555	0.8372
fibctg=300						
365	670	4	0.9941	0.0030	0.9842	0.9978
730	657	13	0.9747	0.0060	0.9597	0.9842
1826	540	59	0.8846	0.0125	0.8576	0.9068
2922	15	55	0.7483	0.0401	0.6594	0.8172
fibctg=325						
365	789	9	0.9887	0.0037	0.9784	0.9941
730	776	13	0.9724	0.0058	0.9584	0.9817
1826	635	66	0.8871	0.0114	0.8627	0.9074
2922	17	71	0.7746	0.0165	0.7403	0.8051
fibctg=350						
365	764	13	0.9832	0.0046	0.9713	0.9902
730	745	19	0.9588	0.0071	0.9422	0.9707
1826	605	76	0.8584	0.0126	0.8315	0.8813
2922	27	68	0.7540	0.0165	0.7199	0.7846
fibctg=375						
365	622	10	0.9842	0.0050	0.9707	0.9914
730	607	15	0.9604	0.0078	0.9419	0.9731
1826	476	68	0.8481	0.0146	0.8170	0.8743
2922	22	60	0.7242	0.0204	0.6818	0.7620
fibctg=400						
365	288	11	0.9631	0.0109	0.9343	0.9794
730	281	7	0.9396	0.0138	0.9058	0.9615
1826	203	31	0.8291	0.0224	0.7800	0.8682
2922	16	28	0.7074	0.0288	0.6467	0.7596
fibctg=450						
365	543	27	0.9525	0.0089	0.9316	0.9672
730	516	27	0.9051	0.0123	0.8779	0.9265
1826	352	72	0.7708	0.0181	0.7330	0.8039
2922	20	66	0.5978	0.0265	0.5439	0.6475

-----  
 Note: Survivor function is calculated over full data and evaluated at indicated times; it is not calculated from aggregates shown at left.

```
. #### Regression for 4b.
. stcox crp age gender, robust
      failure _d: death
      analysis time _t: ttodth
No. of subjects =          4933           Number of obs   =          4933
No. of failures =           1109
Time at risk   =       11713276
Log likelihood =    -8888.3849
Wald chi2(3)   =           606.77
Prob > chi2    =           0.0000
```

	_t		Robust				
	_d	Haz. Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
crp		1.020546	.0038909	5.33	0.000	1.012948	1.0282
age		1.107258	.0052212	21.61	0.000	1.097072	1.117539
gender		1.761739	.1067056	9.35	0.000	1.564537	1.983798

```
. #### Regression for 4c.
. stcox fib age gender, robust
      failure _d: death
      analysis time _t: ttodth
```

```
No. of subjects =      4915          Number of obs   =      4915
No. of failures =      1098
Time at risk    =     11682465
Log likelihood  =    -8782.6313      Wald chi2(3)    =     676.08
                                          Prob > chi2     =     0.0000
```

---

	<u>t</u> <u>d</u>	Haz. Ratio	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
fib		1.0033	.000415	7.96	0.000	1.002487	1.004114
age		1.105707	.0051649	21.51	0.000	1.095631	1.115877
gender		1.806946	.1103815	9.69	0.000	1.603052	2.036774

---

```
. g fib100= fib/100
(85 missing values generated)
```

```
. stcox fib100 gender age, robust
```

```
failure _d: death
analysis time _t: ttodth
No. of subjects =      4915          Number of obs   =      4915
No. of failures =      1098
Time at risk    =     11682465
Log likelihood  =    -8782.6313      Wald chi2(3)    =     676.08
                                          Prob > chi2     =     0.0000
```

---

	<u>t</u> <u>d</u>	Haz. Ratio	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
fib100		1.390201	.0575017	7.96	0.000	1.281947	1.507597
gender		1.806946	.1103815	9.69	0.000	1.603052	2.036774
age		1.105707	.0051649	21.51	0.000	1.095631	1.115877

---

```
. #### Regression for 4d.
```

```
. stcox crp fib age gender, robust
```

```
failure _d: death
analysis time _t: ttodth
No. of subjects =      4899          Number of obs   =      4899
No. of failures =      1096
Time at risk    =     11644078
Log likelihood  =    -8759.4104      Wald chi2(4)    =     661.35
                                          Prob > chi2     =     0.0000
```

---

	<u>t</u> <u>d</u>	Haz. Ratio	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
crp		1.009063	.0044856	2.03	0.042	1.00031	1.017893
fib		1.002699	.0004932	5.48	0.000	1.001733	1.003666
age		1.106065	.0052128	21.39	0.000	1.095895	1.116329
gender		1.789276	.1096797	9.49	0.000	1.586719	2.017691

---

```
. pwcorr crp fib
```

---

	crp	fib
crp	1.0000	
fib	0.4809	1.0000

---