

Demographic study (Females vs. Males, Professionals vs. Laymen, Young vs. Old) - MATLAB *t*-test results

<i>Attribute</i>	<i>Parameter</i>	Column# in results
Time	% playing time	2
	% idle time	4
	% start time	46
	% concurrent	3
	total (minutes)	1
Notes/ Keys	# of presses	10
	% used	11
	presses per key	29
	play per key (sec)	12
	% black presses	34
	% white presses	35
Intensity [†]	average	9
	lowest (minimum)	7
	highest (maximum)	8
	most used	5
Octave	average	21
	lowest (minimum)	19
	highest (maximum)	20
	most used	17
Cluster of notes	# of instances	24
	max pressed [‡]	28
	most pressed [§]	25
	% most played	26
Transit- ions	% diminuendo	41
	% crescendo	42
	% same intensity	43
	% accelerando	44
	% ritardando	45
	% white to black	37
	% black to white	38
	% black to black	39
	% white to white	40
Pitch classes	% playing time: C,C#,D,D#,E,F,F#, G,G#,A,A#,B	48-59

[†] 1-pppp ; 2-ppp ; 3-pp ; 4-p ; 5-mp ; 6-mf ; 7-f ; 8-ff ; 9-fff ; 10-ffff

[‡] configuration of maximum number of keys pressed ; [§] most pressed configuration ;

^{||} relative playing time of the most pressed configuration;

<https://www.mathworks.com/help/stats/ttest2.html>

Variable	Definition
<i>Parameters matrix representation</i>	
F	Females mean
M	Males mean
L	Laymen mean
P	Professional mean
Y	Young mean
O	Old mean
d	Cohen's D size effect
Test the alternative hypothesis that the population means are not equal.	
h	Hypothesis test result, returned as 1 or 0
p	<i>p</i> -value of the test
ci	Confidence interval for the <i>difference</i> in population means of x and y
stats.tstat	Value of the test statistic
stats.df	Degrees of freedom of the test
stats.sd	Unpooled estimates of the population SD
Test the alternative hypothesis that the population mean of x is greater than the population mean of y.	
hr	Hypothesis test result, returned as 1 or 0
pr	<i>p</i> -value of the test
cir	Confidence interval for the <i>difference</i> in population means of x and y
statsr.tstat	Value of the test statistic
statsr.df	Degrees of freedom of the test
statsr.sd	Unpooled estimates of the population SD
Test the alternative hypothesis that the population mean of x is less than the population mean of y.	
hl	Hypothesis test result, returned as 1 or 0
pl	<i>p</i> -value of the test
cil	Confidence interval for the <i>difference</i> in population means of x and y
statsl.tstat	Value of the test statistic
statsl.df	Degrees of freedom of the test
statsl.sd	Unpooled estimates of the population SD

Females vs. Males

>> F

F =

Columns 1 through 10

0.7590	69.7429	257.0637	30.2571	6.2311	40.3637	2.4292	8.1321	5.9245	117.7217
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Columns 11 through 20

26.8698	0.4167	336.3042	58.7547	3.4953	18.8439	3.5377	56.6241	2.2972	5.1745
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Columns 21 through 30

3.6368	4.0613	26.2401	218.5047	2.4387	56.6632	1.0000	5.5613	4.6783	15.5075
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Columns 31 through 40

18.9892	34.6943	81.0127	16.5165	83.4844	0.2340	9.3382	9.1736	7.1783	74.3151
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Columns 41 through 50

46.5090	49.7179	3.7759	11.0726	88.9151	17.9722	63.7099	15.3123	2.3882	11.5458
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Columns 51 through 60

2.8679	12.8811	11.4660	3.4915	13.7288	2.8217	10.3887	3.1297	9.9731	NaN
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>> M

M =

Columns 1 through 10

0.9542	67.3893	259.8360	32.6107	6.4907	39.2084	2.2290	8.4439	6.1028	206.3178
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Columns 11 through 20

30.8762	0.3740	336.6682	58.6028	3.5140	18.5252	3.5421	52.9986	2.1636	5.4252
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Columns 21 through 30

3.5981	4.2430	26.6009	381.1869	2.2710	55.1678	1.0000	5.9439	7.1720	18.8322
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Columns 31 through 40

18.4804	39.1780	81.5210	15.5322	84.4682	0.3280	8.7780	8.5799	6.7542	75.8916
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Columns 41 through 50

46.9294 49.5977 3.4724 11.0640 88.9150 18.1808 58.4701 15.1215 2.6136 11.9500

Columns 51 through 60

2.9065 13.0383 11.5014 2.8150 12.2463 2.8953 12.0486 2.8477 10.0103 NaN

>> h

h =

Columns 1 through 18

0 0 0 0 0 0 0 1 0 1 1 0 0 0 0 0 0 1

Columns 19 through 36

0 0 0 0 0 1 0 0 NaN 0 1 0 0 1 0 0 0 0

Columns 37 through 54

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Columns 55 through 60

0 0 1 0 0 NaN

>> p

p =

Columns 1 through 10

0.1336 0.2573 0.8774 0.2573 0.1052 0.3274 0.1753 0.0106 0.1687 0.0335

Columns 11 through 20

0.0311 0.2307 0.9942 0.9265 0.8934 0.7730 0.9744 0.0408 0.2933 0.0628

Columns 21 through 30

0.7341 0.5605 0.7542 0.0423 0.4422 0.5471 NaN 0.3695 0.0051 0.1241

Columns 31 through 40

0.7861 0.0303 0.7863 0.6080 0.6082 0.2035 0.5853 0.5582 0.7371 0.5718

Columns 41 through 50

0.4559	0.8415	0.4069	0.9931	0.9999	0.8977	0.0762	0.8774	0.6043	0.6191
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Columns 51 through 60

0.9448	0.8665	0.9687	0.1931	0.0832	0.8813	0.0377	0.5820	0.9623	NaN
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>> ci

ci =

Columns 1 through 10

-0.4506	-1.7245	-38.0858	-6.4318	-0.5737	-1.1606	-0.0897	-0.5508	-0.4324	-170.2451
0.0601	6.4318	32.5412	1.7245	0.0547	3.4711	0.4902	-0.0729	0.0759	-6.9470

Columns 11 through 20

-7.6463	-0.0273	-97.9204	-3.0818	-0.2934	-1.8511	-0.2685	0.1528	-0.1160	-0.5149
-0.3664	0.1128	97.1924	3.3856	0.2560	2.4884	0.2598	7.0982	0.3832	0.0135

Columns 21 through 30

-0.1849	-0.7947	-2.6244	-319.6356	-0.2610	-3.3826	NaN	-1.2198	-4.2309	-7.5654
0.2623	0.4313	1.9027	-5.7288	0.5963	6.3735	NaN	0.4546	-0.7564	0.9160

Columns 31 through 40

-3.1748	-8.5398	-4.1918	-2.7848	-4.7528	-0.2394	-1.4563	-1.3975	-2.0574	-7.0525
4.1923	-0.4276	3.1752	4.7533	2.7852	0.0512	2.5766	2.5849	2.9056	3.8995

Columns 41 through 50

-1.5280	-1.0609	-0.4152	-1.9404	-1.9553	-3.3965	-0.5543	-2.2381	-1.0794	-2.0014
0.6870	1.3015	1.0222	1.9576	1.9556	2.9791	11.0339	2.6196	0.6288	1.1929

Columns 51 through 60

-1.1344	-1.9935	-1.8059	-0.3437	-0.1953	-1.0420	-3.2250	-0.7242	-1.5820	NaN
1.0571	1.6792	1.7352	1.6968	3.1604	0.8948	-0.0948	1.2883	1.5076	NaN

>> stats.tstat

ans =

Columns 1 through 10

-1.5031	1.1344	-0.1543	-1.1344	-1.6236	0.9805	1.3576	-2.5658	-1.3788	-2.1352
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Columns 11 through 20

-2.1636 1.2004 -0.0073 0.0923 -0.1341 0.2887 -0.0321 2.0520 1.0523 -1.8655

Columns 21 through 30

0.3399 -0.5825 -0.3134 -2.0396 0.7694 0.6026 NaN -0.8983 -2.8260 -1.5411

Columns 31 through 40

0.2715 -2.1729 -0.2712 0.5133 -0.5131 -1.2749 0.5460 0.5861 0.3360 -0.5659

Columns 41 through 50

-0.7463 0.2001 0.8303 0.0087 0.0001 -0.1287 1.7776 0.1544 -0.5186 -0.4975

Columns 51 through 60

-0.0693 -0.1683 -0.0393 1.3036 1.7370 -0.1494 -2.0847 0.5510 -0.0473 NaN

>> stats.df

ans =

Columns 1 through 10

417.7926 423.9781 422.9375 423.9781 422.5963 422.5755 419.2995 423.9988 422.7089 304.2942

Columns 11 through 20

412.6516 403.8743 385.2267 423.1365 422.5309 396.7257 423.7724 423.9777 420.8204 419.7811

Columns 21 through 30

423.7515 423.6452 414.7243 304.7293 341.7154 423.9703 NaN 423.9130 269.9686 415.3424

Columns 31 through 40

420.8359 419.9029 420.8390 421.6248 421.6266 270.5086 419.8334 419.6895 408.1686 422.6593

Columns 41 through 50

423.5113 422.8458 389.3274 423.7112 423.6242 423.3816 422.5603 399.4475 423.7061 421.7840

Columns 51 through 60

423.4015 421.7565 421.8504 401.1543 407.3811 423.6396 421.6604 423.5592 412.7178 NaN

>> stats.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0014	0.0214	0.1891	0.0214	0.0017	0.0124	0.0016	0.0012	0.0014	0.2592
0.0013	0.0214	0.1816	0.0214	0.0016	0.0119	0.0014	0.0013	0.0013	0.5483

Columns 11 through 20

0.0174	0.0004	0.5853	0.0165	0.0014	0.0097	0.0014	0.0182	0.0014	0.0014
0.0207	0.0003	0.4256	0.0174	0.0015	0.0129	0.0014	0.0183	0.0013	0.0013

Columns 21 through 30

0.0012	0.0032	0.0109	0.4993	0.0027	0.0256	0	0.0043	0.0045	0.0205
0.0012	0.0033	0.0128	1.0535	0.0016	0.0256	0	0.0044	0.0121	0.0239

Columns 31 through 40

0.0201	0.0201	0.0201	0.0204	0.0204	0.0004	0.0111	0.0109	0.0142	0.0294
0.0186	0.0224	0.0186	0.0191	0.0191	0.0010	0.0101	0.0100	0.0117	0.0281

Columns 41 through 50

0.0059	0.0060	0.0043	0.0101	0.0101	0.0170	0.0312	0.0110	0.0045	0.0080
0.0057	0.0064	0.0032	0.0104	0.0105	0.0165	0.0297	0.0143	0.0044	0.0087

Columns 51 through 60

0.0056	0.0099	0.0096	0.0059	0.0096	0.0050	0.0079	0.0053	0.0074	NaN
0.0059	0.0093	0.0090	0.0047	0.0079	0.0052	0.0086	0.0052	0.0088	NaN

>>

```
>> hr
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```
hr =
```

```
Columns 1 through 18
```

```
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1
```

```
Columns 19 through 36
```

```
0 0 0 0 0 0 0 0 NaN 0 0 0 0 0 0 0 0 0
```

```
Columns 37 through 54
```

```
0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0
```

```
Columns 55 through 60
```

```
1 0 0 0 0 NaN
```

```
>> pr
```

```
pr =
```

```
Columns 1 through 10
```

```
0.9332 0.1286 0.5613 0.8714 0.9474 0.1637 0.0877 0.9947 0.9157 0.9832
```

```
Columns 11 through 20
```

```
0.9845 0.1154 0.5029 0.4632 0.5533 0.3865 0.5128 0.0204 0.1466 0.9686
```

```
Columns 21 through 30
```

```
0.3671 0.7197 0.6229 0.9789 0.2211 0.2736 NaN 0.8152 0.9975 0.9380
```

```
Columns 31 through 40
```

```
0.3931 0.9848 0.6068 0.3040 0.6959 0.8983 0.2927 0.2791 0.3685 0.7141
```

```
Columns 41 through 50
```

```
0.7720 0.4207 0.2034 0.4965 0.4999 0.5512 0.0381 0.4387 0.6978 0.6904
```

```
Columns 51 through 60
```

```
0.5276 0.5668 0.5156 0.0966 0.0416 0.5594 0.9812 0.2910 0.5188 NaN
```

```
>> cir
```

cir =

Columns 1 through 10

-0.4094	-1.0665	-32.3884	-5.7739	-0.5230	-0.7869	-0.0429	-0.5122	-0.3914	-157.0540
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 11 through 20

-7.0590	-0.0160	-82.1754	-2.5601	-0.2491	-1.5010	-0.2259	0.7130	-0.0757	-0.4722
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 21 through 30

-0.1489	-0.6958	-2.2592	-294.2785	-0.1918	-2.5956	NaN	-1.0847	-3.9501	-6.8812
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 31 through 40

-2.5805	-7.8853	-3.5975	-2.1767	-4.1447	-0.2159	-1.1310	-1.0762	-1.6570	-6.1690
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 41 through 50

-1.3493	-0.8704	-0.2992	-1.6259	-1.6398	-2.8821	0.3805	-1.8461	-0.9416	-1.7437
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 51 through 60

-0.9576	-1.6973	-1.5202	-0.1791	0.0754	-0.8858	-2.9725	-0.5618	-1.3327	NaN
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

>> statsr.tstat

ans =

Columns 1 through 10

-1.5031	1.1344	-0.1543	-1.1344	-1.6236	0.9805	1.3576	-2.5658	-1.3788	-2.1352
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Columns 11 through 20

-2.1636	1.2004	-0.0073	0.0923	-0.1341	0.2887	-0.0321	2.0520	1.0523	-1.8655
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Columns 21 through 30

0.3399	-0.5825	-0.3134	-2.0396	0.7694	0.6026	NaN	-0.8983	-2.8260	-1.5411
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Columns 31 through 40

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0.2715 -2.1729 -0.2712 0.5133 -0.5131 -1.2749 0.5460 0.5861 0.3360 -0.5659
Columns 41 through 50
-0.7463 0.2001 0.8303 0.0087 0.0001 -0.1287 1.7776 0.1544 -0.5186 -0.4975
Columns 51 through 60
-0.0693 -0.1683 -0.0393 1.3036 1.7370 -0.1494 -2.0847 0.5510 -0.0473 NaN
>> statsr.df
ans =
Columns 1 through 10
417.7926 423.9781 422.9375 423.9781 422.5963 422.5755 419.2995 423.9988 422.7089 304.2942
Columns 11 through 20
412.6516 403.8743 385.2267 423.1365 422.5309 396.7257 423.7724 423.9777 420.8204 419.7811
Columns 21 through 30
423.7515 423.6452 414.7243 304.7293 341.7154 423.9703 NaN 423.9130 269.9686 415.3424
Columns 31 through 40
420.8359 419.9029 420.8390 421.6248 421.6266 270.5086 419.8334 419.6895 408.1686 422.6593
Columns 41 through 50
423.5113 422.8458 389.3274 423.7112 423.6242 423.3816 422.5603 399.4475 423.7061 421.7840
Columns 51 through 60
423.4015 421.7565 421.8504 401.1543 407.3811 423.6396 421.6604 423.5592 412.7178 NaN
>> statsr.sd
ans =
1.0e+03 *
Columns 1 through 10
0.0014 0.0214 0.1891 0.0214 0.0017 0.0124 0.0016 0.0012 0.0014 0.2592
0.0013 0.0214 0.1816 0.0214 0.0016 0.0119 0.0014 0.0013 0.0013 0.5483

```

Columns 11 through 20

0.0174	0.0004	0.5853	0.0165	0.0014	0.0097	0.0014	0.0182	0.0014	0.0014
0.0207	0.0003	0.4256	0.0174	0.0015	0.0129	0.0014	0.0183	0.0013	0.0013

Columns 21 through 30

0.0012	0.0032	0.0109	0.4993	0.0027	0.0256	0	0.0043	0.0045	0.0205
0.0012	0.0033	0.0128	1.0535	0.0016	0.0256	0	0.0044	0.0121	0.0239

Columns 31 through 40

0.0201	0.0201	0.0201	0.0204	0.0204	0.0004	0.0111	0.0109	0.0142	0.0294
0.0186	0.0224	0.0186	0.0191	0.0191	0.0010	0.0101	0.0100	0.0117	0.0281

Columns 41 through 50

0.0059	0.0060	0.0043	0.0101	0.0101	0.0170	0.0312	0.0110	0.0045	0.0080
0.0057	0.0064	0.0032	0.0104	0.0105	0.0165	0.0297	0.0143	0.0044	0.0087

Columns 51 through 60

0.0056	0.0099	0.0096	0.0059	0.0096	0.0050	0.0079	0.0053	0.0074	NaN
0.0059	0.0093	0.0090	0.0047	0.0079	0.0052	0.0086	0.0052	0.0088	NaN

>> hl

hl =

Columns 1 through 18

0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0
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Columns 19 through 36

0	1	0	0	0	1	0	0	NaN	0	1	0	0	1	0	0	0	0
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Columns 37 through 54

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Columns 55 through 60

0	0	1	0	0	NaN
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>> pl

pl =

Columns 1 through 10

0.0668	0.8714	0.4387	0.1286	0.0526	0.8363	0.9123	0.0053	0.0843	0.0168
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Columns 11 through 20

0.0155	0.8846	0.4971	0.5368	0.4467	0.6135	0.4872	0.9796	0.8534	0.0314
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Columns 21 through 30

0.6329	0.2803	0.3771	0.0211	0.7789	0.7264	NaN	0.1848	0.0025	0.0620
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Columns 31 through 40

0.6069	0.0152	0.3932	0.6960	0.3041	0.1017	0.7073	0.7209	0.6315	0.2859
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Columns 41 through 50

0.2280	0.5793	0.7966	0.5035	0.5001	0.4488	0.9619	0.5613	0.3022	0.3096
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Columns 51 through 60

0.4724	0.4332	0.4844	0.9034	0.9584	0.4406	0.0188	0.7090	0.4812	NaN
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>> cil

cil =

Columns 1 through 10

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.0189	5.7739	26.8438	1.0665	0.0040	3.0975	0.4435	-0.1115	0.0349	-20.1381

Columns 11 through 20

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-0.9537	0.1015	81.4474	2.8639	0.2116	2.1383	0.2172	6.5379	0.3429	-0.0292

Columns 21 through 30

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.2262	0.3324	1.5375	-31.0859	0.5271	5.5865	NaN	0.3195	-1.0372	0.2318

Columns 31 through 40

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
3.5980	-1.0820	2.5809	4.1452	2.1771	0.0277	2.2513	2.2636	2.5052	3.0160

Columns 41 through 50

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
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```
0.5083 1.1109 0.9062 1.6432 1.6401 2.4648 10.0991 2.2277 0.4910 0.9353
```

```
Columns 51 through 60
```

```
-Inf -Inf -Inf -Inf -Inf -Inf -Inf -Inf -Inf -Inf  
0.8803 1.3829 1.4495 1.5322 2.8896 0.7385 -0.3473 1.1259 1.2584 NaN
```

```
>> statsl.tstat
```

```
ans =
```

```
Columns 1 through 10
```

```
-1.5031 1.1344 -0.1543 -1.1344 -1.6236 0.9805 1.3576 -2.5658 -1.3788 -2.1352
```

```
Columns 11 through 20
```

```
-2.1636 1.2004 -0.0073 0.0923 -0.1341 0.2887 -0.0321 2.0520 1.0523 -1.8655
```

```
Columns 21 through 30
```

```
0.3399 -0.5825 -0.3134 -2.0396 0.7694 0.6026 NaN -0.8983 -2.8260 -1.5411
```

```
Columns 31 through 40
```

```
0.2715 -2.1729 -0.2712 0.5133 -0.5131 -1.2749 0.5460 0.5861 0.3360 -0.5659
```

```
Columns 41 through 50
```

```
-0.7463 0.2001 0.8303 0.0087 0.0001 -0.1287 1.7776 0.1544 -0.5186 -0.4975
```

```
Columns 51 through 60
```

```
-0.0693 -0.1683 -0.0393 1.3036 1.7370 -0.1494 -2.0847 0.5510 -0.0473 NaN
```

```
>> statsl.df
```

```
ans =
```

```
Columns 1 through 10
```

```
417.7926 423.9781 422.9375 423.9781 422.5963 422.5755 419.2995 423.9988 422.7089 304.2942
```

```
Columns 11 through 20
```

```
412.6516 403.8743 385.2267 423.1365 422.5309 396.7257 423.7724 423.9777 420.8204 419.7811
```

```
Columns 21 through 30
```

```
423.7515 423.6452 414.7243 304.7293 341.7154 423.9703 NaN 423.9130 269.9686 415.3424
```

Columns 31 through 40

420.8359	419.9029	420.8390	421.6248	421.6266	270.5086	419.8334	419.6895	408.1686	422.6593
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 41 through 50

423.5113	422.8458	389.3274	423.7112	423.6242	423.3816	422.5603	399.4475	423.7061	421.7840
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 51 through 60

423.4015	421.7565	421.8504	401.1543	407.3811	423.6396	421.6604	423.5592	412.7178	NaN
----------	----------	----------	----------	----------	----------	----------	----------	----------	-----

```
>> statsl.sd
```

```
ans =
```

```
1.0e+03 *
```

Columns 1 through 10

0.0014	0.0214	0.1891	0.0214	0.0017	0.0124	0.0016	0.0012	0.0014	0.2592
0.0013	0.0214	0.1816	0.0214	0.0016	0.0119	0.0014	0.0013	0.0013	0.5483

Columns 11 through 20

0.0174	0.0004	0.5853	0.0165	0.0014	0.0097	0.0014	0.0182	0.0014	0.0014
0.0207	0.0003	0.4256	0.0174	0.0015	0.0129	0.0014	0.0183	0.0013	0.0013

Columns 21 through 30

0.0012	0.0032	0.0109	0.4993	0.0027	0.0256	0	0.0043	0.0045	0.0205
0.0012	0.0033	0.0128	1.0535	0.0016	0.0256	0	0.0044	0.0121	0.0239

Columns 31 through 40

0.0201	0.0201	0.0201	0.0204	0.0204	0.0004	0.0111	0.0109	0.0142	0.0294
0.0186	0.0224	0.0186	0.0191	0.0191	0.0010	0.0101	0.0100	0.0117	0.0281

Columns 41 through 50

0.0059	0.0060	0.0043	0.0101	0.0101	0.0170	0.0312	0.0110	0.0045	0.0080
0.0057	0.0064	0.0032	0.0104	0.0105	0.0165	0.0297	0.0143	0.0044	0.0087

Columns 51 through 60

0.0056	0.0099	0.0096	0.0059	0.0096	0.0050	0.0079	0.0053	0.0074	NaN
0.0059	0.0093	0.0090	0.0047	0.0079	0.0052	0.0086	0.0052	0.0088	NaN

>>

>> d

d =

Columns 1 through 10

-0.1457	0.1099	-0.0150	-0.1099	-0.1574	0.0950	0.1316	-0.2486	-0.1336	-0.2063
---------	--------	---------	---------	---------	--------	--------	---------	---------	---------

Columns 11 through 20

-0.2095	0.1164	-0.0007	0.0089	-0.0130	0.0279	-0.0031	0.1988	0.1020	-0.1808
---------	--------	---------	--------	---------	--------	---------	--------	--------	---------

Columns 21 through 30

0.0329	-0.0564	-0.0303	-0.1971	0.0747	0.0584	NaN	-0.0870	-0.2729	-0.1492
--------	---------	---------	---------	--------	--------	-----	---------	---------	---------

Columns 31 through 40

0.0263	-0.2104	-0.0263	0.0498	-0.0497	-0.1231	0.0529	0.0568	0.0326	-0.0548
--------	---------	---------	--------	---------	---------	--------	--------	--------	---------

Columns 41 through 50

-0.0723	0.0194	0.0806	0.0008	0.0000	-0.0125	0.1723	0.0149	-0.0503	-0.0482
---------	--------	--------	--------	--------	---------	--------	--------	---------	---------

Columns 51 through 59

-0.0067	-0.0163	-0.0038	0.1265	0.1685	-0.0145	-0.2019	0.0534	-0.0046
---------	---------	---------	--------	--------	---------	---------	--------	---------

>>

Laymen vs. Professionals

>> L

L =

Columns 1 through 10

0.4662	62.2880	210.9745	37.7120	6.1806	42.0468	2.5926	7.9028	5.8981	82.3796
--------	---------	----------	---------	--------	---------	--------	--------	--------	---------

Columns 11 through 20

22.7611	0.3870	339.1255	60.6204	3.6481	20.7620	3.6204	59.9884	2.4259	5.2824
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.7315	4.3148	25.6940	141.2130	1.8981	64.4861	1.0000	4.6528	4.0426	7.8736
--------	--------	---------	----------	--------	---------	--------	--------	--------	--------

Columns 31 through 40

9.4148	33.0125	90.5875	7.4634	92.5375	0.1676	4.0000	3.8796	3.4639	88.6616
--------	---------	---------	--------	---------	--------	--------	--------	--------	---------

Columns 41 through 50

45.4542	50.9514	3.5968	7.8120	92.1667	20.3880	56.0171	14.9875	1.1190	12.6255
---------	---------	--------	--------	---------	---------	---------	---------	--------	---------

Columns 51 through 60

1.3838	14.8458	13.2407	1.5361	13.1042	1.1421	12.4602	1.2366	12.3167	NaN
--------	---------	---------	--------	---------	--------	---------	--------	---------	-----

>> P

P =

Columns 1 through 10

1.2524	75.2671	304.4671	24.7329	6.5190	37.5205	2.0667	8.6524	6.1048	241.9571
--------	---------	----------	---------	--------	---------	--------	--------	--------	----------

Columns 11 through 20

34.8090	0.4034	319.9724	56.4238	3.3381	16.5186	3.4476	49.3629	2.0381	5.3048
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.4905	3.9810	27.1548	459.6714	2.8143	47.1857	1.0000	6.8095	7.8476	26.2410
--------	--------	---------	----------	--------	---------	--------	--------	--------	---------

Columns 31 through 40

28.0552 40.7181 71.9457 24.5543 75.4462 0.4071 14.3681 14.1162 10.1857 61.3348

Columns 41 through 50

48.0024 48.3805 3.6181 14.3500 85.6381 15.7590 66.7319 15.6200 3.8186 10.8590

Columns 51 through 60

4.4905 10.9571 9.7000 4.6629 12.9052 4.6000 10.0100 4.8200 7.5467 NaN

>> h

h =

Columns 1 through 18

1 1 1 1 1 1 1 1 0 1 1 0 0 1 1 1 0 1

Columns 19 through 36

1 0 1 0 0 1 1 1 NaN 1 1 1 1 1 1 1 1 1

Columns 37 through 54

1 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1

Columns 55 through 60

0 1 1 1 1 NaN

>> p

p =

Columns 1 through 10

0.0000 0.0000 0.0000 0.0000 0.0332 0.0001 0.0003 0.0000 0.1103 0.0002

Columns 11 through 20

0.0000 0.6446 0.6898 0.0101 0.0254 0.0001 0.1952 0.0000 0.0020 0.8677

Columns 21 through 30

0.0327 0.2861 0.2057 0.0001 0.0000 0.0000 NaN 0.0000 0.0000 0.0000

Columns 31 through 40

0.0000 0.0002 0.0000 0.0000 0.0000 0.0011 0.0000 0.0000 0.0000 0.0000

Columns 41 through 50

0.0000	0.0000	0.9533	0.0000	0.0000	0.0040	0.0002	0.6093	0.0000	0.0297
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.0000	0.0000	0.0001	0.0000	0.8163	0.0000	0.0021	0.0000	0.0000	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> ci

ci =

Columns 1 through 10

-1.0343	-16.8441	-127.4908	9.1142	-0.6499	2.2572	0.2401	-0.9780	-0.4604	-241.3875
-0.5381	-9.1142	-59.4944	16.8441	-0.0270	6.7954	0.8117	-0.5212	0.0472	-77.7676

Columns 11 through 20

-15.4950	-0.0862	-75.0995	1.0049	0.0385	2.1155	-0.0890	7.2955	0.1426	-0.2860
-8.6009	0.0534	113.4056	7.3882	0.5816	6.3714	0.4345	13.9556	0.6330	0.2413

Columns 21 through 30

0.0199	-0.2805	-3.7261	-475.4959	-1.3349	12.7183	NaN	-2.9635	-5.5476	-22.1837
0.4621	0.9483	0.8046	-161.4211	-0.4973	21.8825	NaN	-1.3500	-2.0625	-14.5510

Columns 31 through 40

-21.8078	-11.6722	15.4745	-20.4260	13.7563	-0.3822	-12.1353	-11.9806	-8.9754	22.5239
-15.4731	-3.7390	21.8091	-13.7557	20.4263	-0.0969	-8.6009	-8.4926	-4.4683	32.1297

Columns 41 through 50

-3.6225	1.4256	-0.7367	-8.3801	4.6794	1.4848	-16.4018	-3.0632	-3.4806	0.1743
-1.4740	3.7162	0.6941	-4.6958	8.3777	7.7731	-5.0278	1.7982	-1.9186	3.3585

Columns 51 through 60

-4.1700	2.0825	1.8021	-4.0995	-1.4829	-4.3733	0.8904	-4.5471	3.2924	NaN
-2.0434	5.6949	5.2794	-2.1540	1.8807	-2.5424	4.0099	-2.6197	6.2476	NaN

>> stats.tstat

ans =

Columns 1 through 10

-6.2410	-6.6009	-5.4054	6.6009	-2.1362	3.9210	3.6173	-6.4497	-1.6000	-3.8408
---------	---------	---------	--------	---------	--------	--------	---------	---------	---------

Columns 11 through 20

-6.8706 -0.4617 0.3994 2.5861 2.2451 3.9201 1.2980 6.2731 3.1107 -0.1667

Columns 21 through 30

2.1439 1.0682 -1.2676 -3.9934 -4.3002 7.4215 NaN -5.2569 -4.3006 -9.4636

Columns 31 through 40

-11.5696 -3.8184 11.5707 -10.0764 10.0770 -3.3037 -11.5362 -11.5413 -5.8660 11.1872

Columns 41 through 50

-4.6652 4.4149 -0.0586 -6.9763 6.9398 2.8940 -3.7034 -0.5115 -6.8018 2.1809

Columns 51 through 60

-5.7475 4.2324 4.0030 -6.3217 0.2325 -7.4328 3.0877 -7.3184 6.3467 NaN

>> stats.df

ans =

Columns 1 through 10

247.8120 421.1950 419.6467 421.1950 423.9979 416.6873 414.4881 423.8976 420.1435 262.6222

Columns 11 through 20

411.8252 407.8769 423.3349 345.4193 356.8056 408.2729 349.6014 394.9389 362.4195 378.6862

Columns 21 through 30

340.8986 411.7077 406.1502 257.3486 413.3590 421.3262 NaN 374.5004 248.7106 374.2474

Columns 31 through 40

401.1507 423.7269 401.1136 374.5946 374.5884 327.6824 376.1750 375.6713 356.3053 378.9181

Columns 41 through 50

353.3992 348.8631 421.9465 420.6196 421.0572 413.4553 422.1894 416.2372 307.4682 418.7417

Columns 51 through 60

331.9718 406.4755 420.8793 353.3748 417.0100 306.2627 423.9694 292.0078 393.0200 NaN

>> stats.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0005	0.0214	0.1717	0.0214	0.0017	0.0128	0.0016	0.0012	0.0014	0.2072
0.0017	0.0192	0.1848	0.0192	0.0016	0.0109	0.0014	0.0012	0.0012	0.5664

Columns 11 through 20

0.0167	0.0004	0.4919	0.0206	0.0017	0.0124	0.0017	0.0200	0.0015	0.0016
0.0193	0.0003	0.4976	0.0119	0.0011	0.0099	0.0010	0.0147	0.0010	0.0011

Columns 21 through 30

0.0014	0.0030	0.0107	0.3793	0.0020	0.0253	0	0.0034	0.0038	0.0163
0.0008	0.0034	0.0129	1.0934	0.0023	0.0227	0	0.0049	0.0122	0.0231

Columns 31 through 40

0.0147	0.0209	0.0147	0.0142	0.0142	0.0009	0.0076	0.0075	0.0091	0.0208
0.0183	0.0208	0.0183	0.0202	0.0202	0.0005	0.0107	0.0105	0.0140	0.0289

Columns 41 through 50

0.0069	0.0074	0.0037	0.0094	0.0094	0.0180	0.0312	0.0120	0.0026	0.0080
0.0041	0.0043	0.0038	0.0100	0.0100	0.0149	0.0284	0.0134	0.0051	0.0087

Columns 51 through 60

0.0039	0.0086	0.0089	0.0039	0.0084	0.0030	0.0083	0.0030	0.0089	NaN
0.0068	0.0103	0.0094	0.0061	0.0093	0.0060	0.0080	0.0065	0.0065	NaN

>>

```
>> hr
```

```
hr =
```

```
Columns 1 through 18
```

```
0 0 0 1 0 1 1 0 0 0 0 0 0 1 1 1 0 1
```

```
Columns 19 through 36
```

```
1 0 1 0 0 0 0 1 NaN 0 0 0 0 0 1 0 1 0
```

```
Columns 37 through 54
```

```
0 0 0 1 0 1 0 0 1 1 0 0 0 1 0 1 1 0
```

```
Columns 55 through 60
```

```
0 0 1 0 1 NaN
```

```
>> pr
```

```
pr =
```

```
Columns 1 through 10
```

```
1.0000 1.0000 1.0000 0.0000 0.9834 0.0001 0.0002 1.0000 0.9448 0.9999
```

```
Columns 11 through 20
```

```
1.0000 0.6777 0.3449 0.0051 0.0127 0.0001 0.0976 0.0000 0.0010 0.5662
```

```
Columns 21 through 30
```

```
0.0164 0.1430 0.8972 1.0000 1.0000 0.0000 NaN 1.0000 1.0000 1.0000
```

```
Columns 31 through 40
```

```
1.0000 0.9999 0.0000 1.0000 0.0000 0.9995 1.0000 1.0000 1.0000 0.0000
```

```
Columns 41 through 50
```

```
1.0000 0.0000 0.5234 1.0000 0.0000 0.0020 0.9999 0.6954 1.0000 0.0149
```

```
Columns 51 through 60
```

```
1.0000 0.0000 0.0000 1.0000 0.4081 1.0000 0.0011 1.0000 0.0000 NaN
```

```
>> cir
```

```
cir =
```

```
Columns 1 through 10
```

-0.9942	-16.2206	-122.0054	9.7378	-0.5997	2.6233	0.2862	-0.9412	-0.4195	-228.1601
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

```
Columns 11 through 20
```

-14.9388	-0.0749	-59.8930	1.5202	0.0823	2.4589	-0.0468	7.8329	0.1822	-0.2434
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

```
Columns 21 through 30
```

0.0556	-0.1814	-3.3606	-450.1025	-1.2674	13.4576	NaN	-2.8333	-5.2658	-21.5677
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

```
Columns 31 through 40
```

-21.2967	-11.0322	15.9856	-19.8877	14.2946	-0.3592	-11.8500	-11.6991	-8.6116	23.2991
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

```
Columns 41 through 50
```

-3.4490	1.6105	-0.6213	-8.0829	4.9778	1.9921	-15.4842	-2.6710	-3.3544	0.4312
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

```
Columns 51 through 60
```

-3.9983	2.3740	2.0826	-3.9424	-1.2115	-4.2254	1.1421	-4.3914	3.5308	NaN
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

```
>> statsr.tstat
```

```
ans =
```

```
Columns 1 through 10
```

-6.2410	-6.6009	-5.4054	6.6009	-2.1362	3.9210	3.6173	-6.4497	-1.6000	-3.8408
---------	---------	---------	--------	---------	--------	--------	---------	---------	---------

```
Columns 11 through 20
```

-6.8706	-0.4617	0.3994	2.5861	2.2451	3.9201	1.2980	6.2731	3.1107	-0.1667
---------	---------	--------	--------	--------	--------	--------	--------	--------	---------

```
Columns 21 through 30
```

2.1439	1.0682	-1.2676	-3.9934	-4.3002	7.4215	NaN	-5.2569	-4.3006	-9.4636
--------	--------	---------	---------	---------	--------	-----	---------	---------	---------

Columns 31 through 40

-11.5696 -3.8184 11.5707 -10.0764 10.0770 -3.3037 -11.5362 -11.5413 -5.8660 11.1872

Columns 41 through 50

-4.6652 4.4149 -0.0586 -6.9763 6.9398 2.8940 -3.7034 -0.5115 -6.8018 2.1809

Columns 51 through 60

-5.7475 4.2324 4.0030 -6.3217 0.2325 -7.4328 3.0877 -7.3184 6.3467 NaN

>> statsr.df

ans =

Columns 1 through 10

247.8120 421.1950 419.6467 421.1950 423.9979 416.6873 414.4881 423.8976 420.1435 262.6222

Columns 11 through 20

411.8252 407.8769 423.3349 345.4193 356.8056 408.2729 349.6014 394.9389 362.4195 378.6862

Columns 21 through 30

340.8986 411.7077 406.1502 257.3486 413.3590 421.3262 NaN 374.5004 248.7106 374.2474

Columns 31 through 40

401.1507 423.7269 401.1136 374.5946 374.5884 327.6824 376.1750 375.6713 356.3053 378.9181

Columns 41 through 50

353.3992 348.8631 421.9465 420.6196 421.0572 413.4553 422.1894 416.2372 307.4682 418.7417

Columns 51 through 60

331.9718 406.4755 420.8793 353.3748 417.0100 306.2627 423.9694 292.0078 393.0200 NaN

>> statsr.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0005 0.0214 0.1717 0.0214 0.0017 0.0128 0.0016 0.0012 0.0014 0.2072

0.0017	0.0192	0.1848	0.0192	0.0016	0.0109	0.0014	0.0012	0.0012	0.5664
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.0167	0.0004	0.4919	0.0206	0.0017	0.0124	0.0017	0.0200	0.0015	0.0016
0.0193	0.0003	0.4976	0.0119	0.0011	0.0099	0.0010	0.0147	0.0010	0.0011

Columns 21 through 30

0.0014	0.0030	0.0107	0.3793	0.0020	0.0253	0	0.0034	0.0038	0.0163
0.0008	0.0034	0.0129	1.0934	0.0023	0.0227	0	0.0049	0.0122	0.0231

Columns 31 through 40

0.0147	0.0209	0.0147	0.0142	0.0142	0.0009	0.0076	0.0075	0.0091	0.0208
0.0183	0.0208	0.0183	0.0202	0.0202	0.0005	0.0107	0.0105	0.0140	0.0289

Columns 41 through 50

0.0069	0.0074	0.0037	0.0094	0.0094	0.0180	0.0312	0.0120	0.0026	0.0080
0.0041	0.0043	0.0038	0.0100	0.0100	0.0149	0.0284	0.0134	0.0051	0.0087

Columns 51 through 60

0.0039	0.0086	0.0089	0.0039	0.0084	0.0030	0.0083	0.0030	0.0089	NaN
0.0068	0.0103	0.0094	0.0061	0.0093	0.0060	0.0080	0.0065	0.0065	NaN

>> hl

hl =

Columns 1 through 18

1	1	1	0	1	0	0	1	0	1	1	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	1	1	0	NaN	1	1	1	1	1	0	1	0	1
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

1	1	1	0	1	0	0	1	0	0	1	0	1	0	1	0	0	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

0	1	0	1	0	NaN
---	---	---	---	---	-----

>> pl

pl =

Columns 1 through 10

0.0000	0.0000	0.0000	1.0000	0.0166	0.9999	0.9998	0.0000	0.0552	0.0001
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.0000	0.3223	0.6551	0.9949	0.9873	0.9999	0.9024	1.0000	0.9990	0.4338
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.9836	0.8570	0.1028	0.0000	0.0000	1.0000	NaN	0.0000	0.0000	0.0000
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

0.0000	0.0001	1.0000	0.0000	1.0000	0.0005	0.0000	0.0000	0.0000	1.0000
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.0000	1.0000	0.4766	0.0000	1.0000	0.9980	0.0001	0.3046	0.0000	0.9851
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.0000	1.0000	1.0000	0.0000	0.5919	0.0000	0.9989	0.0000	1.0000	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> cil

cil =

Columns 1 through 10

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-0.5782	-9.7378	-64.9798	16.2206	-0.0773	6.4293	0.7656	-0.5580	0.0063	-90.9949

Columns 11 through 20

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-9.1571	0.0421	98.1991	6.8729	0.5378	6.0280	0.3923	13.4182	0.5934	0.1987

Columns 21 through 30

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.4264	0.8491	0.4390	-186.8144	-0.5649	21.1432	NaN	-1.4802	-2.3443	-15.1670

Columns 31 through 40

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-15.9842	-4.3790	21.2980	-14.2941	19.8880	-0.1199	-8.8861	-8.7741	-4.8321	31.3545

Columns 41 through 50

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-1.6474	3.5313	0.5786	-4.9931	8.0794	7.2657	-5.9453	1.4060	-2.0448	3.1016

Columns 51 through 60

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-2.2151	5.4034	4.9989	-2.3111	1.6094	-2.6903	3.7583	-2.7755	6.0092	NaN

```
>> statsl.tstat
```

```
ans =
```

Columns 1 through 10

-6.2410	-6.6009	-5.4054	6.6009	-2.1362	3.9210	3.6173	-6.4497	-1.6000	-3.8408
---------	---------	---------	--------	---------	--------	--------	---------	---------	---------

Columns 11 through 20

-6.8706	-0.4617	0.3994	2.5861	2.2451	3.9201	1.2980	6.2731	3.1107	-0.1667
---------	---------	--------	--------	--------	--------	--------	--------	--------	---------

Columns 21 through 30

2.1439	1.0682	-1.2676	-3.9934	-4.3002	7.4215	NaN	-5.2569	-4.3006	-9.4636
--------	--------	---------	---------	---------	--------	-----	---------	---------	---------

Columns 31 through 40

-11.5696	-3.8184	11.5707	-10.0764	10.0770	-3.3037	-11.5362	-11.5413	-5.8660	11.1872
----------	---------	---------	----------	---------	---------	----------	----------	---------	---------

Columns 41 through 50

-4.6652	4.4149	-0.0586	-6.9763	6.9398	2.8940	-3.7034	-0.5115	-6.8018	2.1809
---------	--------	---------	---------	--------	--------	---------	---------	---------	--------

Columns 51 through 60

-5.7475	4.2324	4.0030	-6.3217	0.2325	-7.4328	3.0877	-7.3184	6.3467	NaN
---------	--------	--------	---------	--------	---------	--------	---------	--------	-----

```
>> statsl.df
```

```
ans =
```

Columns 1 through 10

247.8120	421.1950	419.6467	421.1950	423.9979	416.6873	414.4881	423.8976	420.1435	262.6222
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 11 through 20

411.8252	407.8769	423.3349	345.4193	356.8056	408.2729	349.6014	394.9389	362.4195	378.6862
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 21 through 30

340.8986 411.7077 406.1502 257.3486 413.3590 421.3262 NaN 374.5004 248.7106 374.2474

Columns 31 through 40

401.1507 423.7269 401.1136 374.5946 374.5884 327.6824 376.1750 375.6713 356.3053 378.9181

Columns 41 through 50

353.3992 348.8631 421.9465 420.6196 421.0572 413.4553 422.1894 416.2372 307.4682 418.7417

Columns 51 through 60

331.9718 406.4755 420.8793 353.3748 417.0100 306.2627 423.9694 292.0078 393.0200 NaN

>> statsl.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0005	0.0214	0.1717	0.0214	0.0017	0.0128	0.0016	0.0012	0.0014	0.2072
0.0017	0.0192	0.1848	0.0192	0.0016	0.0109	0.0014	0.0012	0.0012	0.5664

Columns 11 through 20

0.0167	0.0004	0.4919	0.0206	0.0017	0.0124	0.0017	0.0200	0.0015	0.0016
0.0193	0.0003	0.4976	0.0119	0.0011	0.0099	0.0010	0.0147	0.0010	0.0011

Columns 21 through 30

0.0014	0.0030	0.0107	0.3793	0.0020	0.0253	0	0.0034	0.0038	0.0163
0.0008	0.0034	0.0129	1.0934	0.0023	0.0227	0	0.0049	0.0122	0.0231

Columns 31 through 40

0.0147	0.0209	0.0147	0.0142	0.0142	0.0009	0.0076	0.0075	0.0091	0.0208
0.0183	0.0208	0.0183	0.0202	0.0202	0.0005	0.0107	0.0105	0.0140	0.0289

Columns 41 through 50

0.0069	0.0074	0.0037	0.0094	0.0094	0.0180	0.0312	0.0120	0.0026	0.0080
0.0041	0.0043	0.0038	0.0100	0.0100	0.0149	0.0284	0.0134	0.0051	0.0087

Columns 51 through 60

0.0039	0.0086	0.0089	0.0039	0.0084	0.0030	0.0083	0.0030	0.0089	NaN
0.0068	0.0103	0.0094	0.0061	0.0093	0.0060	0.0080	0.0065	0.0065	NaN

```
>> d
```

```
d =
```

```
Columns 1 through 10
```

```
-0.6119 -0.6387 -0.5244  0.6387 -0.2069  0.3791  0.3497 -0.6247 -0.1548 -0.3762
```

```
Columns 11 through 20
```

```
-0.6672 -0.0446  0.0387  0.2489  0.2162  0.3787  0.1249  0.6054  0.2996 -0.0161
```

```
Columns 21 through 30
```

```
 0.2063  0.1037 -0.1232 -0.3913 -0.4175  0.7181   NaN -0.5119 -0.4216 -0.9215
```

```
Columns 31 through 40
```

```
-1.1246 -0.3700  1.1247 -0.9812  0.9812 -0.3176 -1.1232 -1.1237 -0.5718  1.0890
```

```
Columns 41 through 50
```

```
-0.4491  0.4249 -0.0057 -0.6767  0.6731  0.2797 -0.3584 -0.0496 -0.6647  0.2116
```

```
Columns 51 through 59
```

```
-0.5610  0.4112  0.3882 -0.6163  0.0226 -0.7264  0.2991 -0.7158  0.6124
```

```
>>
```

Young vs. Old

Y =

Columns 1 through 10

0.8306	69.6402	224.6469	30.3598	6.3923	40.8909	2.2632	8.1722	6.0191	182.7416
--------	---------	----------	---------	--------	---------	--------	--------	--------	----------

Columns 11 through 20

27.2809	0.3845	288.0756	58.7081	3.4928	18.5545	3.5120	54.4775	2.2967	5.3349
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.6364	4.2344	26.0536	337.8852	2.0000	58.8024	1.0000	5.0670	6.2115	14.0493
--------	--------	---------	----------	--------	---------	--------	--------	--------	---------

Columns 31 through 40

15.0373	36.3943	84.9641	12.1986	87.8019	0.2522	7.2732	7.0981	4.9263	80.7110
---------	---------	---------	---------	---------	--------	--------	--------	--------	---------

Columns 41 through 50

46.8952	49.6177	3.4885	10.3928	89.5823	16.5947	58.9713	14.4828	1.7627	12.2120
---------	---------	--------	---------	---------	---------	---------	---------	--------	---------

Columns 51 through 60

2.3177	14.5019	10.9962	2.5852	13.5837	2.0335	11.8627	2.2325	11.4321	NaN
--------	---------	---------	--------	---------	--------	---------	--------	---------	-----

>> O

O =

Columns 1 through 10

0.8820	67.5207	291.0194	32.4793	6.3318	38.7166	2.3917	8.4009	6.0092	142.4700
--------	---------	----------	---------	--------	---------	--------	--------	--------	----------

Columns 11 through 20

30.4249	0.4056	383.1138	58.6498	3.5161	18.8083	3.5668	55.1161	2.1659	5.2673
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.5991	4.0737	26.7756	263.9585	2.6959	53.1281	1.0000	6.4147	5.6608	20.1908
--------	--------	---------	----------	--------	---------	--------	--------	--------	---------

Columns 31 through 40

22.2935	37.4788	77.7083	19.7046	80.2963	0.3092	10.7747	10.5871	8.9290	69.7097
---------	---------	---------	---------	---------	--------	---------	---------	--------	---------

Columns 41 through 50

46.5516 49.6959 3.7535 11.7189 88.2724 19.5046 63.1065 15.9230 3.2129 11.3028

Columns 51 through 60

3.4359 11.4751 11.9535 3.6972 12.4065 3.6535 10.6060 3.7157 8.6046 NaN

>> h

h =

Columns 1 through 18

0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Columns 19 through 36

0 0 0 0 0 0 1 1 NaN 1 0 1 1 0 1 1 1 0

Columns 37 through 54

1 1 1 1 0 0 0 0 0 0 0 0 1 0 1 1 0 1

Columns 55 through 60

0 1 0 1 1 NaN

>> p

p =

Columns 1 through 10

0.6934 0.3069 0.0002 0.3069 0.7048 0.0648 0.3836 0.0610 0.9389 0.3421

Columns 11 through 20

0.0912 0.5521 0.0525 0.9718 0.8681 0.8176 0.6845 0.7193 0.3046 0.6170

Columns 21 through 30

0.7445 0.6061 0.5306 0.3641 0.0012 0.0222 NaN 0.0014 0.5431 0.0043

Columns 31 through 40

0.0001 0.6013 0.0001 0.0001 0.0001 0.4473 0.0006 0.0005 0.0013 0.0001

Columns 41 through 50

```
0.5411 0.8964 0.4666 0.1803 0.1872 0.0711 0.1615 0.2430 0.0007 0.2625
```

```
Columns 51 through 60
```

```
0.0442 0.0012 0.2858 0.0314 0.1703 0.0009 0.1160 0.0034 0.0003 NaN
```

```
>> ci
```

```
ci =
```

```
Columns 1 through 10
```

```
-0.3075 -1.9527 -100.8163 -6.1916 -0.2534 -0.1338 -0.4183 -0.4680 -0.2442 -43.0220  
0.2047 6.1916 -31.9286 1.9527 0.3745 4.4825 0.1612 0.0106 0.2641 123.5651
```

```
Columns 11 through 20
```

```
-6.7944 -0.0908 -191.1231 -3.1887 -0.2991 -2.4152 -0.3201 -4.1283 -0.1193 -0.1980  
0.5064 0.0486 1.0466 3.3054 0.2525 1.9077 0.2104 2.8511 0.3808 0.3333
```

```
Columns 21 through 30
```

```
-0.1875 -0.4514 -2.9830 -86.1265 -1.1140 0.8143 NaN -2.1701 -1.2291 -10.3519  
0.2620 0.7729 1.5390 233.9797 -0.2777 10.5343 NaN -0.5254 2.3304 -1.9311
```

```
Columns 31 through 40
```

```
-10.8612 -5.1611 3.6508 -11.1914 3.8203 -0.2046 -5.4859 -5.4479 -6.4360 5.6421  
-3.6512 2.9920 10.8608 -3.8207 11.1909 0.0905 -1.5170 -1.5302 -1.5695 16.3605
```

```
Columns 41 through 50
```

```
-0.7605 -1.2567 -0.9797 -3.2683 -0.6391 -6.0709 -9.9311 -3.8616 -2.2878 -0.6836  
1.4477 1.1004 0.4498 0.6162 3.2590 0.2511 1.6608 0.9811 -0.6126 2.5020
```

```
Columns 51 through 60
```

```
-2.2072 1.2060 -2.7180 -2.1243 -0.5076 -2.5716 -0.3115 -2.4741 1.3044 NaN  
-0.0293 4.8476 0.8034 -0.0999 2.8621 -0.6683 2.8248 -0.4922 4.3505 NaN
```

```
>> stats.tstat
```

```
ans =
```

```
Columns 1 through 10
```

```
-0.3945 1.0230 -3.7898 -1.0230 0.3791 1.8516 -0.8722 -1.8783 0.0767 0.9516
```

```
Columns 11 through 20
```

```

-1.6929 -0.5952 -1.9455  0.0353 -0.1661 -0.2308 -0.4066 -0.3597  1.0279  0.5005

Columns 21 through 30

 0.3262  0.5160 -0.6276  0.9091 -3.2742  2.2950    NaN -3.2226  0.6089 -2.8671

Columns 31 through 40

-3.9566 -0.5229  3.9564 -4.0037  4.0036 -0.7610 -3.4681 -3.5011 -3.2346  4.0351

Columns 41 through 50

 0.6117 -0.1303 -0.7287 -1.3420  1.3211 -1.8097 -1.4024 -1.1692 -3.4042  1.1220

Columns 51 through 60

-2.0185  3.2680 -1.0688 -2.1597  1.3736 -3.3465  1.5752 -2.9425  3.6490    NaN

>> stats.df

ans =

Columns 1 through 10

420.6534 422.1926 351.7396 422.1926 414.4241 423.8548 422.4341 421.6016 421.3924 288.4702

Columns 11 through 20

423.6512 397.7719 339.8302 403.5670 405.7895 400.1669 402.1948 423.5199 416.0716 414.2345

Columns 21 through 30

393.0563 422.5145 423.0120 288.6391 318.4177 416.4523    NaN 373.7940 293.8197 423.6941

Columns 31 through 40

414.9638 423.9874 414.9654 408.8514 408.8435 305.5234 421.5183 420.8847 377.0153 416.6657

Columns 41 through 50

415.5922 418.8838 408.7500 422.8181 423.0525 404.5937 423.8907 419.0496 382.1155 421.6371

Columns 51 through 60

422.4259 399.2492 409.9297 414.8662 403.2914 402.1315 423.9925 392.8391 422.6070    NaN

>> sd
Undefined function or variable 'sd'.

>> stats.sd

```

ans =

1.0e+03 *

Columns 1 through 10

0.0014	0.0203	0.1301	0.0203	0.0015	0.0120	0.0014	0.0012	0.0013	0.5585
0.0013	0.0225	0.2213	0.0225	0.0018	0.0122	0.0016	0.0013	0.0014	0.2546

Columns 11 through 20

0.0191	0.0003	0.3472	0.0185	0.0016	0.0096	0.0015	0.0183	0.0014	0.0015
0.0192	0.0004	0.6266	0.0153	0.0013	0.0129	0.0012	0.0184	0.0012	0.0013

Columns 21 through 30

0.0013	0.0031	0.0114	1.0729	0.0014	0.0267	0	0.0034	0.0119	0.0214
0.0010	0.0034	0.0124	0.4897	0.0028	0.0242	0	0.0051	0.0056	0.0228

Columns 31 through 40

0.0171	0.0209	0.0171	0.0170	0.0170	0.0010	0.0098	0.0096	0.0100	0.0257
0.0206	0.0219	0.0206	0.0215	0.0215	0.0005	0.0110	0.0109	0.0151	0.0305

Columns 41 through 50

0.0053	0.0057	0.0033	0.0097	0.0098	0.0144	0.0296	0.0118	0.0035	0.0079
0.0063	0.0066	0.0042	0.0107	0.0107	0.0186	0.0312	0.0136	0.0052	0.0088

Columns 51 through 60

0.0054	0.0105	0.0082	0.0048	0.0096	0.0043	0.0081	0.0043	0.0081	NaN
0.0060	0.0085	0.0102	0.0058	0.0079	0.0056	0.0084	0.0060	0.0079	NaN

>> hr

hr =

Columns 1 through 18

0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	0	0	1	NaN	0	0	0	0	0	1	0	1	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

0	0	0	0	1	NaN
---	---	---	---	---	-----

>> pr

pr =

Columns 1 through 10

0.6533	0.1534	0.9999	0.8466	0.3524	0.0324	0.8082	0.9695	0.4694	0.1710
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.9544	0.7240	0.9737	0.4859	0.5659	0.5912	0.6578	0.6404	0.1523	0.3085
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.3722	0.3030	0.7347	0.1820	0.9994	0.0111	NaN	0.9993	0.2715	0.9978
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

1.0000	0.6994	0.0000	1.0000	0.0000	0.7764	0.9997	0.9997	0.9993	0.0000
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.2705	0.5518	0.7667	0.9098	0.0936	0.9645	0.9192	0.8785	0.9996	0.1313
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.9779	0.0006	0.8571	0.9843	0.0852	0.9996	0.0580	0.9983	0.0001	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> cir

cir =

Columns 1 through 10

-0.2662	-1.2957	-95.2552	-5.5346	-0.2028	0.2386	-0.3715	-0.4294	-0.2032	-29.5616
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 11 through 20

-6.2055	-0.0795	-175.6076	-2.6647	-0.2546	-2.0664	-0.2773	-3.5653	-0.0789	-0.1552
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 21 through 30

-0.1512	-0.3527	-2.6182	-60.2616	-1.0464	1.5984	NaN	-2.0374	-0.9415	-9.6726
---------	---------	---------	----------	---------	--------	-----	---------	---------	---------

```

    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 31 through 40

-10.2796 -4.5034  4.2325 -10.5968  4.4149 -0.1808 -5.1658 -5.1318 -6.0432  6.5068
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 41 through 50

-0.5824 -1.0665 -0.8644 -2.9549 -0.3246 -5.5608 -8.9960 -3.4710 -2.1527 -0.4266
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 51 through 60

-2.0315  1.4998 -2.4339 -1.9609 -0.2357 -2.4180 -0.0585 -2.3142  1.5501   NaN
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
>>
>> cir

cir =

Columns 1 through 10

-0.2662 -1.2957 -95.2552 -5.5346 -0.2028  0.2386 -0.3715 -0.4294 -0.2032 -29.5616
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 11 through 20

-6.2055 -0.0795 -175.6076 -2.6647 -0.2546 -2.0664 -0.2773 -3.5653 -0.0789 -0.1552
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 21 through 30

-0.1512 -0.3527 -2.6182 -60.2616 -1.0464  1.5984   NaN -2.0374 -0.9415 -9.6726
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 31 through 40

-10.2796 -4.5034  4.2325 -10.5968  4.4149 -0.1808 -5.1658 -5.1318 -6.0432  6.5068
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 41 through 50

-0.5824 -1.0665 -0.8644 -2.9549 -0.3246 -5.5608 -8.9960 -3.4710 -2.1527 -0.4266
    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf    Inf
Columns 51 through 60

-2.0315  1.4998 -2.4339 -1.9609 -0.2357 -2.4180 -0.0585 -2.3142  1.5501   NaN

```

Inf Inf Inf Inf Inf Inf Inf Inf Inf Inf

```
>> statsr.tstat
```

```
ans =
```

Columns 1 through 10

-0.3945 1.0230 -3.7898 -1.0230 0.3791 1.8516 -0.8722 -1.8783 0.0767 0.9516

Columns 11 through 20

-1.6929 -0.5952 -1.9455 0.0353 -0.1661 -0.2308 -0.4066 -0.3597 1.0279 0.5005

Columns 21 through 30

0.3262 0.5160 -0.6276 0.9091 -3.2742 2.2950 NaN -3.2226 0.6089 -2.8671

Columns 31 through 40

-3.9566 -0.5229 3.9564 -4.0037 4.0036 -0.7610 -3.4681 -3.5011 -3.2346 4.0351

Columns 41 through 50

0.6117 -0.1303 -0.7287 -1.3420 1.3211 -1.8097 -1.4024 -1.1692 -3.4042 1.1220

Columns 51 through 60

-2.0185 3.2680 -1.0688 -2.1597 1.3736 -3.3465 1.5752 -2.9425 3.6490 NaN

```
>> statsr.df
```

```
ans =
```

Columns 1 through 10

420.6534 422.1926 351.7396 422.1926 414.4241 423.8548 422.4341 421.6016 421.3924 288.4702

Columns 11 through 20

423.6512 397.7719 339.8302 403.5670 405.7895 400.1669 402.1948 423.5199 416.0716 414.2345

Columns 21 through 30

393.0563 422.5145 423.0120 288.6391 318.4177 416.4523 NaN 373.7940 293.8197 423.6941

Columns 31 through 40

414.9638 423.9874 414.9654 408.8514 408.8435 305.5234 421.5183 420.8847 377.0153 416.6657

Columns 41 through 50

415.5922	418.8838	408.7500	422.8181	423.0525	404.5937	423.8907	419.0496	382.1155	421.6371
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 51 through 60

422.4259	399.2492	409.9297	414.8662	403.2914	402.1315	423.9925	392.8391	422.6070	NaN
----------	----------	----------	----------	----------	----------	----------	----------	----------	-----

```
>> statsr.sd
```

ans =

1.0e+03 *

Columns 1 through 10

0.0014	0.0203	0.1301	0.0203	0.0015	0.0120	0.0014	0.0012	0.0013	0.5585
0.0013	0.0225	0.2213	0.0225	0.0018	0.0122	0.0016	0.0013	0.0014	0.2546

Columns 11 through 20

0.0191	0.0003	0.3472	0.0185	0.0016	0.0096	0.0015	0.0183	0.0014	0.0015
0.0192	0.0004	0.6266	0.0153	0.0013	0.0129	0.0012	0.0184	0.0012	0.0013

Columns 21 through 30

0.0013	0.0031	0.0114	1.0729	0.0014	0.0267	0	0.0034	0.0119	0.0214
0.0010	0.0034	0.0124	0.4897	0.0028	0.0242	0	0.0051	0.0056	0.0228

Columns 31 through 40

0.0171	0.0209	0.0171	0.0170	0.0170	0.0010	0.0098	0.0096	0.0100	0.0257
0.0206	0.0219	0.0206	0.0215	0.0215	0.0005	0.0110	0.0109	0.0151	0.0305

Columns 41 through 50

0.0053	0.0057	0.0033	0.0097	0.0098	0.0144	0.0296	0.0118	0.0035	0.0079
0.0063	0.0066	0.0042	0.0107	0.0107	0.0186	0.0312	0.0136	0.0052	0.0088

Columns 51 through 60

0.0054	0.0105	0.0082	0.0048	0.0096	0.0043	0.0081	0.0043	0.0081	NaN
0.0060	0.0085	0.0102	0.0058	0.0079	0.0056	0.0084	0.0060	0.0079	NaN

```
>> hl
```

hl =

Columns 1 through 18

0 0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 0 0

Columns 19 through 36

0 0 0 0 0 0 1 0 NaN 1 0 1 1 0 0 1 0 0

Columns 37 through 54

1 1 1 0 0 0 0 0 0 1 0 0 1 0 1 0 0 1

Columns 55 through 60

0 1 0 1 0 NaN

>> pl

pl =

Columns 1 through 10

0.3467 0.8466 0.0001 0.1534 0.6476 0.9676 0.1918 0.0305 0.5306 0.8290

Columns 11 through 20

0.0456 0.2760 0.0263 0.5141 0.4341 0.4088 0.3422 0.3596 0.8477 0.6915

Columns 21 through 30

0.6278 0.6970 0.2653 0.8180 0.0006 0.9889 NaN 0.0007 0.7285 0.0022

Columns 31 through 40

0.0000 0.3006 1.0000 0.0000 1.0000 0.2236 0.0003 0.0003 0.0007 1.0000

Columns 41 through 50

0.7295 0.4482 0.2333 0.0902 0.9064 0.0355 0.0808 0.1215 0.0004 0.8687

Columns 51 through 60

0.0221 0.9994 0.1429 0.0157 0.9148 0.0004 0.9420 0.0017 0.9999 NaN

>> cil

cil =

Columns 1 through 10

-Inf -Inf -Inf -Inf -Inf -Inf -Inf -Inf -Inf -Inf
0.1634 5.5346 -37.4897 1.2957 0.3239 4.1101 0.1144 -0.0280 0.2231 110.1047

Columns 11 through 20

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf		
-0.0826	0.0373	-14.4688	2.7814	0.2080	1.5589	0.1676	2.2881	0.3404	0.2905		

Columns 21 through 30

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf		
0.2258	0.6741	1.1742	208.1149	-0.3453	9.7501	NaN	-0.6581	2.0428	-2.6104		

Columns 31 through 40

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf		
-4.2329	2.3343	10.2791	-4.4153	10.5963	0.0667	-1.8371	-1.8462	-1.9622	15.4958		

Columns 41 through 50

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf		
1.2696	0.9102	0.3345	0.3028	2.9445	-0.2589	0.7257	0.5904	-0.7478	2.2450		

Columns 51 through 60

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf		
-0.2050	4.5538	0.5193	-0.2632	2.5903	-0.8219	2.5718	-0.6521	4.1048	NaN		

>> statsl.tstat

ans =

Columns 1 through 10

-0.3945	1.0230	-3.7898	-1.0230	0.3791	1.8516	-0.8722	-1.8783	0.0767	0.9516
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Columns 11 through 20

-1.6929	-0.5952	-1.9455	0.0353	-0.1661	-0.2308	-0.4066	-0.3597	1.0279	0.5005
---------	---------	---------	--------	---------	---------	---------	---------	--------	--------

Columns 21 through 30

0.3262	0.5160	-0.6276	0.9091	-3.2742	2.2950	NaN	-3.2226	0.6089	-2.8671
--------	--------	---------	--------	---------	--------	-----	---------	--------	---------

Columns 31 through 40

-3.9566	-0.5229	3.9564	-4.0037	4.0036	-0.7610	-3.4681	-3.5011	-3.2346	4.0351
---------	---------	--------	---------	--------	---------	---------	---------	---------	--------

Columns 41 through 50

0.6117	-0.1303	-0.7287	-1.3420	1.3211	-1.8097	-1.4024	-1.1692	-3.4042	1.1220
--------	---------	---------	---------	--------	---------	---------	---------	---------	--------

Columns 51 through 60

-2.0185 3.2680 -1.0688 -2.1597 1.3736 -3.3465 1.5752 -2.9425 3.6490 NaN

>> statsl.df

ans =

Columns 1 through 10

420.6534 422.1926 351.7396 422.1926 414.4241 423.8548 422.4341 421.6016 421.3924 288.4702

Columns 11 through 20

423.6512 397.7719 339.8302 403.5670 405.7895 400.1669 402.1948 423.5199 416.0716 414.2345

Columns 21 through 30

393.0563 422.5145 423.0120 288.6391 318.4177 416.4523 NaN 373.7940 293.8197 423.6941

Columns 31 through 40

414.9638 423.9874 414.9654 408.8514 408.8435 305.5234 421.5183 420.8847 377.0153 416.6657

Columns 41 through 50

415.5922 418.8838 408.7500 422.8181 423.0525 404.5937 423.8907 419.0496 382.1155 421.6371

Columns 51 through 60

422.4259 399.2492 409.9297 414.8662 403.2914 402.1315 423.9925 392.8391 422.6070 NaN

>> statsl.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0014 0.0203 0.1301 0.0203 0.0015 0.0120 0.0014 0.0012 0.0013 0.5585
0.0013 0.0225 0.2213 0.0225 0.0018 0.0122 0.0016 0.0013 0.0014 0.2546

Columns 11 through 20

0.0191 0.0003 0.3472 0.0185 0.0016 0.0096 0.0015 0.0183 0.0014 0.0015
0.0192 0.0004 0.6266 0.0153 0.0013 0.0129 0.0012 0.0184 0.0012 0.0013

Columns 21 through 30

0.0013	0.0031	0.0114	1.0729	0.0014	0.0267	0	0.0034	0.0119	0.0214
0.0010	0.0034	0.0124	0.4897	0.0028	0.0242	0	0.0051	0.0056	0.0228

Columns 31 through 40

0.0171	0.0209	0.0171	0.0170	0.0170	0.0010	0.0098	0.0096	0.0100	0.0257
0.0206	0.0219	0.0206	0.0215	0.0215	0.0005	0.0110	0.0109	0.0151	0.0305

Columns 41 through 50

0.0053	0.0057	0.0033	0.0097	0.0098	0.0144	0.0296	0.0118	0.0035	0.0079
0.0063	0.0066	0.0042	0.0107	0.0107	0.0186	0.0312	0.0136	0.0052	0.0088

Columns 51 through 60

0.0054	0.0105	0.0082	0.0048	0.0096	0.0043	0.0081	0.0043	0.0081	NaN
0.0060	0.0085	0.0102	0.0058	0.0079	0.0056	0.0084	0.0060	0.0079	NaN

>> d

d =

Columns 1 through 10

-0.0383	0.0990	-0.3640	-0.0990	0.0366	0.1794	-0.0844	-0.1817	0.0074	0.0934
---------	--------	---------	---------	--------	--------	---------	---------	--------	--------

Columns 11 through 20

-0.1640	-0.0574	-0.1867	0.0034	-0.0162	-0.0222	-0.0396	-0.0349	0.0998	0.0486
---------	---------	---------	--------	---------	---------	---------	---------	--------	--------

Columns 21 through 30

0.0318	0.0499	-0.0607	0.0892	-0.3137	0.2228	NaN	-0.3100	0.0597	-0.2775
--------	--------	---------	--------	---------	--------	-----	---------	--------	---------

Columns 31 through 40

-0.3821	-0.0506	0.3821	-0.3864	0.3863	-0.0746	-0.3354	-0.3385	-0.3112	0.3898
---------	---------	--------	---------	--------	---------	---------	---------	---------	--------

Columns 41 through 50

0.0591	-0.0126	-0.0703	-0.1298	0.1278	-0.1745	-0.1358	-0.1130	-0.3277	0.1085
--------	---------	---------	---------	--------	---------	---------	---------	---------	--------

Columns 51 through 59

-0.1953	0.3180	-0.1031	-0.2086	0.1336	-0.3227	0.1525	-0.2835	0.3538
---------	--------	---------	---------	--------	---------	--------	---------	--------

>>

Lay Females vs. Lay Males

>> F

F =

Columns 1 through 10

0.4111	66.5931	201.9500	33.4069	5.6944	40.7750	2.4861	7.6250	5.4861	52.4167
--------	---------	----------	---------	--------	---------	--------	--------	--------	---------

Columns 11 through 20

21.7542	0.4619	336.4472	61.2500	3.6944	19.2958	3.6389	59.6222	2.4306	5.0833
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.7083	4.3333	24.6153	92.3472	1.9028	62.4431	1.0000	4.4583	3.1472	7.3958
--------	--------	---------	---------	--------	---------	--------	--------	--------	--------

Columns 31 through 40

10.7069	31.6333	89.2972	8.1361	91.8653	0.1278	4.5944	4.5125	3.5417	87.3556
---------	---------	---------	--------	---------	--------	--------	--------	--------	---------

Columns 41 through 50

46.3958	50.3486	3.2597	10.0722	89.9292	18.3056	59.5069	14.4958	1.4292	13.4556
---------	---------	--------	---------	---------	---------	---------	---------	--------	---------

Columns 51 through 60

1.2569	14.8069	13.4236	1.7069	12.7667	1.3194	12.4431	1.1986	11.6833	NaN
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>> M

M =

Columns 1 through 10

0.4472	55.6514	189.0681	44.3486	6.4583	41.9167	2.5972	8.0694	6.1250	82.9722
--------	---------	----------	---------	--------	---------	--------	--------	--------	---------

Columns 11 through 20

22.4181	0.3119	377.3750	62.1250	3.8333	21.9361	3.7639	60.2181	2.4722	5.3472
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.8472	4.0694	26.3597	136.3056	1.6111	67.6542	1.0000	4.5000	4.8042	5.4236
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Columns 31 through 40

5.8514 34.1333 94.1500 4.6569 95.3444 0.0708 2.3361 2.1514 2.3208 93.1958

Columns 41 through 50

45.4278 51.3361 3.2347 4.8111 95.1889 24.5875 53.7208 17.4903 0.7111 12.8250

Columns 51 through 60

1.0736 13.2333 13.6931 0.4986 13.0347 0.8000 12.4347 0.8667 13.3292 NaN

>> h

h =

Columns 1 through 18

0 1 0 1 1 0 0 1 1 1 0 1 0 0 0 0 0 0

Columns 19 through 36

0 0 0 0 0 0 0 0 NaN 0 1 0 1 0 1 0 0 0

Columns 37 through 54

0 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 1

Columns 55 through 60

0 0 0 0 0 NaN

>> p

p =

Columns 1 through 10

0.5358 0.0030 0.5673 0.0030 0.0029 0.5759 0.6697 0.0185 0.0029 0.0274

Columns 11 through 20

0.7899 0.0492 0.6655 0.7939 0.6226 0.2332 0.6489 0.8587 0.8671 0.3346

Columns 21 through 30

0.5482 0.6025 0.3643 0.0628 0.2975 0.2149 NaN 0.9375 0.0044 0.3773

Columns 31 through 40

0.0370 0.4610 0.0371 0.1093 0.1093 0.1548 0.0627 0.0475 0.3095 0.0754

Columns 41 through 50

0.4206	0.4432	0.9642	0.0009	0.0009	0.0480	0.2456	0.1724	0.1104	0.6410
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.7565	0.2169	0.8613	0.0113	0.8336	0.2694	0.9948	0.4495	0.2881	NaN
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>> ci

ci =

Columns 1 through 10

-0.1513	3.7857	-31.5319	-18.0977	-1.2626	-5.1665	-0.6249	-0.8130	-1.0563	-57.6354
0.0790	18.0977	57.2958	-3.7857	-0.2652	2.8831	0.4027	-0.0759	-0.2215	-3.4757

Columns 11 through 20

-5.5835	0.0006	-228.0220	-7.4843	-0.6955	-7.0063	-0.6665	-7.2039	-0.5329	-0.8028
4.2558	0.2995	146.1664	5.7343	0.4177	1.7257	0.4165	6.0122	0.4495	0.2750

Columns 21 through 30

-0.5951	-0.7357	-5.5361	-90.3163	-0.2600	-13.4807	NaN	-1.0909	-2.7852	-2.4307
0.3173	1.2635	2.0472	2.3997	0.8434	3.0584	NaN	1.0075	-0.5287	6.3751

Columns 31 through 40

0.2965	-9.1886	-9.4108	-0.7901	-7.7480	-0.0218	-0.1216	0.0260	-1.1456	-12.2871
9.4146	4.1886	-0.2948	7.7485	0.7897	0.1357	4.6383	4.6962	3.5873	0.6065

Columns 41 through 50

-1.4017	-3.5271	-1.0735	2.1971	-8.3239	-12.5078	-4.0245	-7.3151	-0.1661	-2.0366
3.3378	1.5521	1.1235	8.3252	-2.1956	-0.0561	15.5967	1.3262	1.6022	3.2977

Columns 51 through 60

-0.9850	-0.9347	-3.3121	0.2795	-2.7851	-0.4067	-2.5128	-0.5336	-4.7004	NaN
1.3517	4.0819	2.7732	2.1372	2.2490	1.4456	2.5295	1.1975	1.4087	NaN

>> stats.tstat

ans =

Columns 1 through 10

-0.6209	3.0227	0.5734	-3.0227	-3.0289	-0.5607	-0.4275	-2.3850	-3.0261	-2.2404
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Columns 11 through 20

-0.2670 1.9922 -0.4334 -0.2617 -0.4933 -1.1989 -0.4563 -0.1784 -0.1677 -0.9681

Columns 21 through 30

-0.6019 0.5220 -0.9106 -1.8812 1.0460 -1.2457 NaN -0.0786 -2.9097 0.8858

Columns 31 through 40

2.1067 -0.7394 -2.1060 1.6121 -1.6123 1.4312 1.8779 2.0012 1.0198 -1.7927

Columns 41 through 50

0.8078 -0.7691 0.0450 3.3997 -3.3987 -1.9952 1.1659 -1.3731 1.6084 0.4673

Columns 51 through 60

0.3108 1.2402 -0.1751 2.5818 -0.2105 1.1087 0.0065 0.7585 -1.0671 NaN

>> stats.df

ans =

Columns 1 through 10

120.0755 141.6154 141.1618 141.6154 137.1104 141.9412 141.4601 136.4577 140.4277 93.8414

Columns 11 through 20

127.6305 96.5533 112.5066 141.7035 141.9256 106.3335 141.8211 132.3436 141.6491 140.5049

Columns 21 through 30

141.6487 139.6185 123.6132 100.2931 128.0440 141.3784 NaN 130.3369 112.2214 136.1428

Columns 31 through 40

132.2714 130.4898 132.2809 131.1106 131.1044 129.8495 125.4029 124.7454 141.7133 126.7592

Columns 41 through 50

136.8954 133.8293 137.7952 119.5468 119.5437 137.6679 141.9812 112.5033 116.8749 141.9947

Columns 51 through 60

116.8592 141.5188 137.6793 96.9580 141.8824 141.5315 132.4506 134.1500 117.4942 NaN

>> stats.sd

ans =

Columns 1 through 10

0.2641	21.1458	139.8948	21.1458	1.6499	12.0910	1.5105	0.9991	1.3321	43.5799
0.4169	22.2781	129.5000	22.2781	1.3629	12.3397	1.6068	1.2256	1.1979	107.2060

Columns 11 through 20

12.1600	0.5867	696.6963	20.5137	1.7086	8.5719	1.6725	17.1243	1.5275	1.7178
17.2396	0.2532	395.7992	19.5959	1.6699	16.6047	1.6141	22.5897	1.4532	1.5488

Columns 21 through 30

1.4186	2.8284	9.0086	83.5513	1.9295	24.2524	0	2.6640	2.3791	11.8928
1.3496	3.2255	13.5297	179.8130	1.3692	25.9175	0	3.6270	4.2056	14.6789

Columns 31 through 40

15.5917	17.0087	15.5873	14.6968	14.6958	0.2728	8.4263	8.2915	7.3423	22.6843
11.8057	23.1027	11.8041	10.9248	10.9230	0.1989	5.7552	5.6102	7.0191	15.7987

Columns 41 through 50

6.4588	6.6850	3.6126	11.1164	11.1168	17.1342	29.6050	9.1401	3.2407	8.1202
7.8538	8.6036	3.0281	6.9892	6.9892	20.4988	29.9481	16.0894	1.9617	8.0705

Columns 51 through 60

2.5919	7.8317	10.0170	3.6414	7.5288	2.8907	6.5407	2.9262	6.8214	NaN
4.2827	7.3876	8.3749	1.5846	7.7488	2.7289	8.6133	2.2862	11.1695	NaN

>> hr

hr =

Columns 1 through 18

0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	0	0	0	NaN	0	0	0	1	0	0	0	0	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

```

0  0  0  0  0 NaN
>> pr
pr =
Columns 1 through 10
    0.7321    0.0015    0.2836    0.9985    0.9985    0.7121    0.6652    0.9908    0.9985    0.9863
Columns 11 through 20
    0.6051    0.0246    0.6672    0.6030    0.6887    0.8834    0.6756    0.5706    0.5665    0.8327
Columns 21 through 30
    0.7259    0.3013    0.8179    0.9686    0.1488    0.8925     NaN    0.5313    0.9978    0.1886
Columns 31 through 40
    0.0185    0.7695    0.9815    0.0547    0.9453    0.0774    0.0314    0.0238    0.1548    0.9623
Columns 41 through 50
    0.2103    0.7784    0.4821    0.0005    0.9995    0.9760    0.1228    0.9138    0.0552    0.3205
Columns 51 through 60
    0.3783    0.1085    0.5694    0.0057    0.5832    0.1347    0.4974    0.2247    0.8559     NaN
>> cir
cir =
Columns 1 through 10
   -0.1325    4.9483  -24.3159  -16.9351   -1.1815   -4.5126   -0.5414   -0.7531   -0.9885  -53.2123
      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf
Columns 11 through 20
   -4.7833    0.0250 -197.5430   -6.4105   -0.6051   -6.2945   -0.5785   -6.1295   -0.4531   -0.7152
      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf
Columns 21 through 30
   -0.5209   -0.5733   -4.9191  -82.7521   -0.1703  -12.1371     NaN   -0.9203   -2.6014   -1.7150
      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf      Inf

```

Columns 31 through 40

1.0377	-8.1010	-8.6697	-0.0959	-7.0539	-0.0090	0.2656	0.4060	-0.7612	-11.2384
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf		

Columns 41 through 50

-1.0165	-3.1143	-0.8950	2.6958	-7.8251	-11.4960	-2.4306	-6.6112	-0.0221	-1.6033
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf		

Columns 51 through 60

-0.7948	-0.5272	-2.8176	0.4311	-2.3761	-0.2562	-2.1029	-0.3929	-4.2030	NaN
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf		

>> statsr.tstat

ans =

Columns 1 through 10

-0.6209	3.0227	0.5734	-3.0227	-3.0289	-0.5607	-0.4275	-2.3850	-3.0261	-2.2404
---------	--------	--------	---------	---------	---------	---------	---------	---------	---------

Columns 11 through 20

-0.2670	1.9922	-0.4334	-0.2617	-0.4933	-1.1989	-0.4563	-0.1784	-0.1677	-0.9681
---------	--------	---------	---------	---------	---------	---------	---------	---------	---------

Columns 21 through 30

-0.6019	0.5220	-0.9106	-1.8812	1.0460	-1.2457	NaN	-0.0786	-2.9097	0.8858
---------	--------	---------	---------	--------	---------	-----	---------	---------	--------

Columns 31 through 40

2.1067	-0.7394	-2.1060	1.6121	-1.6123	1.4312	1.8779	2.0012	1.0198	-1.7927
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Columns 41 through 50

0.8078	-0.7691	0.0450	3.3997	-3.3987	-1.9952	1.1659	-1.3731	1.6084	0.4673
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Columns 51 through 60

0.3108	1.2402	-0.1751	2.5818	-0.2105	1.1087	0.0065	0.7585	-1.0671	NaN
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>> statsr.df

ans =

Columns 1 through 10

120.0755	141.6154	141.1618	141.6154	137.1104	141.9412	141.4601	136.4577	140.4277	93.8414
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Columns 11 through 20

127.6305 96.5533 112.5066 141.7035 141.9256 106.3335 141.8211 132.3436 141.6491 140.5049

Columns 21 through 30

141.6487 139.6185 123.6132 100.2931 128.0440 141.3784 NaN 130.3369 112.2214 136.1428

Columns 31 through 40

132.2714 130.4898 132.2809 131.1106 131.1044 129.8495 125.4029 124.7454 141.7133 126.7592

Columns 41 through 50

136.8954 133.8293 137.7952 119.5468 119.5437 137.6679 141.9812 112.5033 116.8749 141.9947

Columns 51 through 60

116.8592 141.5188 137.6793 96.9580 141.8824 141.5315 132.4506 134.1500 117.4942 NaN

>> statsr.sd

ans =

Columns 1 through 10

0.2641 21.1458 139.8948 21.1458 1.6499 12.0910 1.5105 0.9991 1.3321 43.5799
0.4169 22.2781 129.5000 22.2781 1.3629 12.3397 1.6068 1.2256 1.1979 107.2060

Columns 11 through 20

12.1600 0.5867 696.6963 20.5137 1.7086 8.5719 1.6725 17.1243 1.5275 1.7178
17.2396 0.2532 395.7992 19.5959 1.6699 16.6047 1.6141 22.5897 1.4532 1.5488

Columns 21 through 30

1.4186 2.8284 9.0086 83.5513 1.9295 24.2524 0 2.6640 2.3791 11.8928
1.3496 3.2255 13.5297 179.8130 1.3692 25.9175 0 3.6270 4.2056 14.6789

Columns 31 through 40

15.5917 17.0087 15.5873 14.6968 14.6958 0.2728 8.4263 8.2915 7.3423 22.6843
11.8057 23.1027 11.8041 10.9248 10.9230 0.1989 5.7552 5.6102 7.0191 15.7987

Columns 41 through 50

6.4588 6.6850 3.6126 11.1164 11.1168 17.1342 29.6050 9.1401 3.2407 8.1202
7.8538 8.6036 3.0281 6.9892 6.9892 20.4988 29.9481 16.0894 1.9617 8.0705

Columns 51 through 60

2.5919	7.8317	10.0170	3.6414	7.5288	2.8907	6.5407	2.9262	6.8214	NaN
4.2827	7.3876	8.3749	1.5846	7.7488	2.7289	8.6133	2.2862	11.1695	NaN

>> hl

hl =

Columns 1 through 18

0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	1	0	0	NaN	0	1	0	0	0	1	0	0	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

0	0	0	0	0	NaN
---	---	---	---	---	-----

pl =

Columns 1 through 10

0.2679	0.9985	0.7164	0.0015	0.0015	0.2879	0.3348	0.0092	0.0015	0.0137
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.3949	0.9754	0.3328	0.3970	0.3113	0.1166	0.3244	0.4294	0.4335	0.1673
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.2741	0.6987	0.1821	0.0314	0.8512	0.1075	NaN	0.4687	0.0022	0.8114
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

0.9815	0.2305	0.0185	0.9453	0.0547	0.9226	0.9686	0.9762	0.8452	0.0377
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.7897	0.2216	0.5179	0.9995	0.0005	0.0240	0.8772	0.0862	0.9448	0.6795
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.6217	0.8915	0.4306	0.9943	0.4168	0.8653	0.5026	0.7753	0.1441	NaN
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```
>> cil
```

```
cil =
```

```
Columns 1 through 10
```

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.0603	16.9351	50.0798	-4.9483	-0.3462	2.2293	0.3192	-0.1358	-0.2893	-7.8988

```
Columns 11 through 20
```

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
3.4556	0.2751	115.6874	4.6605	0.3273	1.0139	0.3285	4.9378	0.3697	0.1874

```
Columns 21 through 30
```

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.2432	1.1010	1.4302	-5.1645	0.7536	1.7149	NaN	0.8369	-0.7125	5.6595

```
Columns 31 through 40
```

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
8.6734	3.1010	-1.0358	7.0543	0.0956	0.1229	4.2511	4.3163	3.2028	-0.4422

```
Columns 41 through 50
```

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
2.9526	1.1393	0.9450	7.8264	-2.6944	-1.0679	14.0029	0.6224	1.4582	2.8644

```
Columns 51 through 60
```

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
1.1615	3.6744	2.2787	1.9856	1.8400	1.2951	2.1196	1.0568	0.9114	NaN

```
>> statsl.tstat
```

```
ans =
```

```
Columns 1 through 10
```

-0.6209	3.0227	0.5734	-3.0227	-3.0289	-0.5607	-0.4275	-2.3850	-3.0261	-2.2404
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```
Columns 11 through 20
```

-0.2670	1.9922	-0.4334	-0.2617	-0.4933	-1.1989	-0.4563	-0.1784	-0.1677	-0.9681
---------	--------	---------	---------	---------	---------	---------	---------	---------	---------

```
Columns 21 through 30
```

-0.6019	0.5220	-0.9106	-1.8812	1.0460	-1.2457	NaN	-0.0786	-2.9097	0.8858
---------	--------	---------	---------	--------	---------	-----	---------	---------	--------

Columns 31 through 40

2.1067	-0.7394	-2.1060	1.6121	-1.6123	1.4312	1.8779	2.0012	1.0198	-1.7927
--------	---------	---------	--------	---------	--------	--------	--------	--------	---------

Columns 41 through 50

0.8078	-0.7691	0.0450	3.3997	-3.3987	-1.9952	1.1659	-1.3731	1.6084	0.4673
--------	---------	--------	--------	---------	---------	--------	---------	--------	--------

Columns 51 through 60

0.3108	1.2402	-0.1751	2.5818	-0.2105	1.1087	0.0065	0.7585	-1.0671	NaN
--------	--------	---------	--------	---------	--------	--------	--------	---------	-----

>> statsl.df

ans =

Columns 1 through 10

120.0755	141.6154	141.1618	141.6154	137.1104	141.9412	141.4601	136.4577	140.4277	93.8414
----------	----------	----------	----------	----------	----------	----------	----------	----------	---------

Columns 11 through 20

127.6305	96.5533	112.5066	141.7035	141.9256	106.3335	141.8211	132.3436	141.6491	140.5049
----------	---------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 21 through 30

141.6487	139.6185	123.6132	100.2931	128.0440	141.3784	NaN	130.3369	112.2214	136.1428
----------	----------	----------	----------	----------	----------	-----	----------	----------	----------

Columns 31 through 40

132.2714	130.4898	132.2809	131.1106	131.1044	129.8495	125.4029	124.7454	141.7133	126.7592
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 41 through 50

136.8954	133.8293	137.7952	119.5468	119.5437	137.6679	141.9812	112.5033	116.8749	141.9947
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 51 through 60

116.8592	141.5188	137.6793	96.9580	141.8824	141.5315	132.4506	134.1500	117.4942	NaN
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>> statsl.sd

ans =

Columns 1 through 10

0.2641	21.1458	139.8948	21.1458	1.6499	12.0910	1.5105	0.9991	1.3321	43.5799
0.4169	22.2781	129.5000	22.2781	1.3629	12.3397	1.6068	1.2256	1.1979	107.2060

Columns 11 through 20

12.1600	0.5867	696.6963	20.5137	1.7086	8.5719	1.6725	17.1243	1.5275	1.7178
17.2396	0.2532	395.7992	19.5959	1.6699	16.6047	1.6141	22.5897	1.4532	1.5488

Columns 21 through 30

1.4186	2.8284	9.0086	83.5513	1.9295	24.2524	0	2.6640	2.3791	11.8928
1.3496	3.2255	13.5297	179.8130	1.3692	25.9175	0	3.6270	4.2056	14.6789

Columns 31 through 40

15.5917	17.0087	15.5873	14.6968	14.6958	0.2728	8.4263	8.2915	7.3423	22.6843
11.8057	23.1027	11.8041	10.9248	10.9230	0.1989	5.7552	5.6102	7.0191	15.7987

Columns 41 through 50

6.4588	6.6850	3.6126	11.1164	11.1168	17.1342	29.6050	9.1401	3.2407	8.1202
7.8538	8.6036	3.0281	6.9892	6.9892	20.4988	29.9481	16.0894	1.9617	8.0705

Columns 51 through 60

2.5919	7.8317	10.0170	3.6414	7.5288	2.8907	6.5407	2.9262	6.8214	NaN
4.2827	7.3876	8.3749	1.5846	7.7488	2.7289	8.6133	2.2862	11.1695	NaN

d =

Columns 1 through 10

-0.1035	0.5038	0.0956	-0.5038	-0.5048	-0.0935	-0.0713	-0.3975	-0.5044	-0.3734
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Columns 11 through 20

-0.0445	0.3320	-0.0722	-0.0436	-0.0822	-0.1998	-0.0761	-0.0297	-0.0279	-0.1614
---------	--------	---------	---------	---------	---------	---------	---------	---------	---------

Columns 21 through 30

-0.1003	0.0870	-0.1518	-0.3135	0.1743	-0.2076	NaN	-0.0131	-0.4850	0.1476
---------	--------	---------	---------	--------	---------	-----	---------	---------	--------

Columns 31 through 40

0.3511	-0.1232	-0.3510	0.2687	-0.2687	0.2385	0.3130	0.3335	0.1700	-0.2988
--------	---------	---------	--------	---------	--------	--------	--------	--------	---------

Columns 41 through 50

0.1346	-0.1282	0.0075	0.5666	-0.5665	-0.3325	0.1943	-0.2289	0.2681	0.0779
--------	---------	--------	--------	---------	---------	--------	---------	--------	--------

Columns 51 through 59

0.0518	0.2067	-0.0292	0.4303	-0.0351	0.1848	0.0011	0.1264	-0.1778
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Professional Females vs. Professional Males

F =

Columns 1 through 10

0.8507	73.5507	270.3507	26.4493	6.6620	38.0310	2.3239	8.7183	6.3239	142.6338
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Columns 11 through 20

29.3282	0.3810	317.6972	56.6761	3.3803	18.7873	3.4085	52.4873	2.0704	5.1408
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Columns 21 through 30

3.5070	3.9718	28.8282	268.1690	2.4789	49.5930	1.0000	5.7887	5.6690	19.7197
--------	--------	---------	----------	--------	---------	--------	--------	--------	---------

Columns 31 through 40

26.4845	35.9606	73.5155	23.9338	76.0676	0.3324	12.9380	12.6437	10.9901	63.4254
---------	---------	---------	---------	---------	--------	---------	---------	---------	---------

Columns 41 through 50

47.7704	48.8577	3.3676	12.6915	87.2930	16.7324	68.9183	18.1606	3.5282	9.9127
---------	---------	--------	---------	---------	---------	---------	---------	--------	--------

Columns 51 through 60

4.2606	11.0366	8.3915	4.6394	15.0521	4.3028	7.7648	4.6352	8.3028	NaN
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>> M

M =

Columns 1 through 10

1.1347	77.9000	312.2764	22.1000	6.4028	35.7250	1.8750	8.7361	6.0556	309.3194
--------	---------	----------	---------	--------	---------	--------	--------	--------	----------

Columns 11 through 20

38.6889	0.4223	345.1111	54.9583	3.2083	15.5625	3.3611	45.4028	1.9167	5.2917
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.3750	4.1389	27.2361	592.8056	2.7778	45.6583	1.0000	7.0000	9.6667	31.9958
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Columns 31 through 40

31.5653	43.2986	68.4361	27.7278	72.2722	0.5264	16.6181	16.2708	11.1083	55.9972
---------	---------	---------	---------	---------	--------	---------	---------	---------	---------

Columns 41 through 50

48.5611 47.8597 3.5819 16.5014 83.5000 14.0208 66.4167 14.4500 4.3319 10.6194

Columns 51 through 60

5.5625 10.3306 9.3139 5.1542 10.8264 5.4222 11.7194 5.1958 7.0694 NaN

>>

>> h

h =

Columns 1 through 18

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1

Columns 19 through 36

0 0 0 0 0 0 0 0 NaN 0 0 1 0 1 0 0 0 1

Columns 37 through 54

1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0

Columns 55 through 60

1 0 1 0 0 NaN

>> p

p =

Columns 1 through 10

0.1314 0.1509 0.0614 0.1509 0.3615 0.1868 0.0537 0.9282 0.2217 0.0933

Columns 11 through 20

0.0038 0.4736 0.7443 0.3838 0.3277 0.0650 0.7811 0.0031 0.3093 0.4231

Columns 21 through 30

0.3046 0.7774 0.4867 0.0907 0.2041 0.2845 NaN 0.0628 0.0721 0.0011

Columns 31 through 40

0.1121 0.0408 0.1122 0.2853 0.2851 0.0345 0.0415 0.0413 0.9641 0.1325

Columns 41 through 50

0.2287	0.1605	0.6789	0.0255	0.0263	0.2303	0.5973	0.1296	0.3713	0.6229
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Columns 51 through 60

0.2867	0.6846	0.5548	0.6306	0.0144	0.2988	0.0071	0.6123	0.2916	NaN
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>> ci

ci =

Columns 1 through 10

-0.6543	-10.3042	-85.8892	-1.6056	-0.3007	-1.1307	-0.0072	-0.4078	-0.1639	-362.0123
0.0863	1.6056	2.0378	10.3042	0.8190	5.7427	0.9051	0.3722	0.7007	28.6411

Columns 11 through 20

-15.6503	-0.1551	-193.3072	-2.1693	-0.1742	-0.2025	-0.2889	2.4304	-0.1442	-0.5220
-3.0711	0.0725	138.4794	5.6048	0.5181	6.6522	0.3836	11.7387	0.4517	0.2203

Columns 21 through 30

-0.1213	-1.3331	-2.9213	-701.9777	-0.7620	-3.3065	NaN	-2.4884	-8.3627	-19.5525
0.3854	0.9990	6.1054	52.7046	0.1642	11.1758	NaN	0.0658	0.3674	-4.9998

Columns 31 through 40

-11.3656	-14.3651	-1.2057	-10.7880	-3.1984	-0.3736	-7.2159	-7.1094	-5.3054	-2.2768
1.2040	-0.3110	11.3645	3.2000	10.7892	-0.0144	-0.1442	-0.1449	5.0691	17.1331

Columns 41 through 50

-2.0842	-0.4008	-1.2362	-7.1462	0.4546	-1.7376	-6.8383	-1.1017	-2.5753	-3.5441
0.5028	2.3968	0.8075	-0.4734	7.1313	7.1607	11.8416	8.5228	0.9678	2.1305

Columns 51 through 60

-3.7087	-2.7298	-4.0036	-2.6279	0.8562	-3.2414	-6.8152	-2.7425	-1.0708	NaN
1.1048	4.1419	2.1590	1.5984	7.5953	1.0026	-1.0941	1.6212	3.5375	NaN

>> stats.tstat

ans =

Columns 1 through 10

-1.5199	-1.4444	-1.8854	1.4444	0.9156	1.3265	1.9498	-0.0903	1.2275	-1.6987
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Columns 11 through 20

-2.9430 -0.7189 -0.3268 0.8736 0.9822 1.8601 0.2784 3.0116 1.0205 -0.8034

Columns 21 through 30

1.0305 -0.2832 0.6974 -1.7125 -1.2760 1.0743 NaN -1.8782 -1.8237 -3.3357

Columns 31 through 40

-1.6003 -2.0645 1.5997 -1.0728 1.0732 -2.1372 -2.0584 -2.0601 -0.0451 1.5135

Columns 41 through 50

-1.2094 1.4111 -0.4149 -2.2576 2.2463 1.2050 0.5295 1.5247 -0.8970 -0.4929

Columns 51 through 60

-1.0695 0.4072 -0.5922 -0.4821 2.4843 -1.0429 -2.7343 -0.5080 1.0590 NaN

>> stats.df

ans =

Columns 1 through 10

110.3845 135.4537 140.0271 135.4537 135.0384 140.8516 113.5708 140.1284 139.9249 78.8017

Columns 11 through 20

136.9090 119.3378 136.6449 140.9266 140.7967 140.9920 140.9126 129.2597 136.1619 139.9377

Columns 21 through 30

138.7141 140.6736 139.6661 78.7401 139.0056 139.4144 NaN 117.9930 76.8526 139.4004

Columns 31 through 40

122.7570 140.7176 122.7682 135.8607 135.8634 129.3847 134.6406 134.3699 126.3178 137.5658

Columns 41 through 50

129.5277 134.9112 133.2290 139.9241 139.9562 139.0147 140.2514 137.7375 140.9911 127.7059

Columns 51 through 60

139.6463 110.9147 130.5596 123.9684 114.1591 140.9999 134.3586 140.9865 130.2327 NaN

>> stats.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0014	0.0196	0.1264	0.0196	0.0015	0.0105	0.0017	0.0011	0.0012	0.1890
0.0008	0.0162	0.1393	0.0162	0.0019	0.0103	0.0010	0.0012	0.0014	0.8106

Columns 11 through 20

0.0172	0.0003	0.4511	0.0115	0.0010	0.0103	0.0010	0.0159	0.0010	0.0012
0.0207	0.0004	0.5481	0.0120	0.0011	0.0105	0.0010	0.0119	0.0008	0.0011

Columns 21 through 30

0.0008	0.0036	0.0129	0.3637	0.0015	0.0229	0	0.0029	0.0037	0.0206
0.0007	0.0035	0.0144	1.5663	0.0013	0.0209	0	0.0047	0.0182	0.0233

Columns 31 through 40

0.0222	0.0206	0.0222	0.0230	0.0230	0.0005	0.0117	0.0116	0.0180	0.0314
0.0150	0.0219	0.0150	0.0191	0.0191	0.0006	0.0095	0.0094	0.0128	0.0271

Columns 41 through 50

0.0044	0.0046	0.0027	0.0096	0.0096	0.0141	0.0291	0.0133	0.0053	0.0070
0.0033	0.0038	0.0035	0.0106	0.0106	0.0127	0.0274	0.0157	0.0054	0.0099

Columns 51 through 60

0.0069	0.0127	0.0078	0.0074	0.0123	0.0064	0.0076	0.0066	0.0079	NaN
0.0077	0.0073	0.0106	0.0051	0.0074	0.0065	0.0096	0.0066	0.0059	NaN

>> hr

hr =

Columns 1 through 18

0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	0	0	0	NaN	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

1	0	0	0	0	NaN
---	---	---	---	---	-----

>> pr

pr =

Columns 1 through 10

0.9343	0.9245	0.9693	0.0755	0.1808	0.0934	0.0268	0.5359	0.1109	0.9533
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.9981	0.7632	0.6278	0.1919	0.1639	0.0325	0.3906	0.0016	0.1547	0.7884
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.1523	0.6113	0.2434	0.9546	0.8980	0.1423	NaN	0.9686	0.9640	0.9995
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

0.9439	0.9796	0.0561	0.8574	0.1425	0.9828	0.9793	0.9793	0.5179	0.0662
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.8856	0.0803	0.6606	0.9872	0.0131	0.1151	0.2986	0.0648	0.8144	0.6885
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.8567	0.3423	0.7226	0.6847	0.0072	0.8506	0.9965	0.6939	0.1458	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> pir

ans =

Number of Ctxs : 0

>> cir

cir =

Columns 1 through 10

-0.5940	-9.3363	-78.7457	-0.6377	-0.2097	-0.5724	0.0671	-0.3444	-0.0937	-330.0121
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 11 through 20

-14.6281	-0.1366	-166.3449	-1.5378	-0.1179	0.3543	-0.2342	3.1873	-0.0958	-0.4617
----------	---------	-----------	---------	---------	--------	---------	--------	---------	---------

Inf Inf Inf Inf Inf Inf Inf Inf Inf Inf

Columns 21 through 30

-0.0801 -1.1436 -2.1879 -640.1572 -0.6868 -2.1299 NaN -2.2804 -7.6473 -18.3701
Inf Inf Inf Inf Inf Inf Inf Inf Inf Inf

Columns 31 through 40

-10.3428 -13.2234 -0.1830 -9.6512 -2.0616 -0.3444 -6.6411 -6.5434 -4.4616 -0.6996
Inf Inf Inf Inf Inf Inf Inf Inf Inf Inf

Columns 41 through 50

-1.8738 -0.1734 -1.0701 -6.6041 0.9971 -1.0146 -5.3207 -0.3196 -2.2875 -3.0826
Inf Inf Inf Inf Inf Inf Inf Inf Inf Inf

Columns 51 through 60

-3.3176 -2.1699 -3.5026 -2.2840 1.4050 -2.8966 -6.3502 -2.3880 -0.6961 NaN
Inf Inf Inf Inf Inf Inf Inf Inf Inf

>> statsr.tstat

ans =

Columns 1 through 10

-1.5199 -1.4444 -1.8854 1.4444 0.9156 1.3265 1.9498 -0.0903 1.2275 -1.6987

Columns 11 through 20

-2.9430 -0.7189 -0.3268 0.8736 0.9822 1.8601 0.2784 3.0116 1.0205 -0.8034

Columns 21 through 30

1.0305 -0.2832 0.6974 -1.7125 -1.2760 1.0743 NaN -1.8782 -1.8237 -3.3357

Columns 31 through 40

-1.6003 -2.0645 1.5997 -1.0728 1.0732 -2.1372 -2.0584 -2.0601 -0.0451 1.5135

Columns 41 through 50

-1.2094 1.4111 -0.4149 -2.2576 2.2463 1.2050 0.5295 1.5247 -0.8970 -0.4929

Columns 51 through 60

-1.0695 0.4072 -0.5922 -0.4821 2.4843 -1.0429 -2.7343 -0.5080 1.0590 NaN

```
>> statsr.df
```

```
ans =
```

```
Columns 1 through 10
```

```
110.3845 135.4537 140.0271 135.4537 135.0384 140.8516 113.5708 140.1284 139.9249 78.8017
```

```
Columns 11 through 20
```

```
136.9090 119.3378 136.6449 140.9266 140.7967 140.9920 140.9126 129.2597 136.1619 139.9377
```

```
Columns 21 through 30
```

```
138.7141 140.6736 139.6661 78.7401 139.0056 139.4144 NaN 117.9930 76.8526 139.4004
```

```
Columns 31 through 40
```

```
122.7570 140.7176 122.7682 135.8607 135.8634 129.3847 134.6406 134.3699 126.3178 137.5658
```

```
Columns 41 through 50
```

```
129.5277 134.9112 133.2290 139.9241 139.9562 139.0147 140.2514 137.7375 140.9911 127.7059
```

```
Columns 51 through 60
```

```
139.6463 110.9147 130.5596 123.9684 114.1591 140.9999 134.3586 140.9865 130.2327 NaN
```

```
>> statsr.sd
```

```
ans =
```

```
1.0e+03 *
```

```
Columns 1 through 10
```

```
0.0014 0.0196 0.1264 0.0196 0.0015 0.0105 0.0017 0.0011 0.0012 0.1890  
0.0008 0.0162 0.1393 0.0162 0.0019 0.0103 0.0010 0.0012 0.0014 0.8106
```

```
Columns 11 through 20
```

```
0.0172 0.0003 0.4511 0.0115 0.0010 0.0103 0.0010 0.0159 0.0010 0.0012  
0.0207 0.0004 0.5481 0.0120 0.0011 0.0105 0.0010 0.0119 0.0008 0.0011
```

```
Columns 21 through 30
```

```
0.0008 0.0036 0.0129 0.3637 0.0015 0.0229 0 0.0029 0.0037 0.0206  
0.0007 0.0035 0.0144 1.5663 0.0013 0.0209 0 0.0047 0.0182 0.0233
```

```
Columns 31 through 40
```

0.0222	0.0206	0.0222	0.0230	0.0230	0.0005	0.0117	0.0116	0.0180	0.0314
0.0150	0.0219	0.0150	0.0191	0.0191	0.0006	0.0095	0.0094	0.0128	0.0271

Columns 41 through 50

0.0044	0.0046	0.0027	0.0096	0.0096	0.0141	0.0291	0.0133	0.0053	0.0070
0.0033	0.0038	0.0035	0.0106	0.0106	0.0127	0.0274	0.0157	0.0054	0.0099

Columns 51 through 60

0.0069	0.0127	0.0078	0.0074	0.0123	0.0064	0.0076	0.0066	0.0079	NaN
0.0077	0.0073	0.0106	0.0051	0.0074	0.0065	0.0096	0.0066	0.0059	NaN

>> hl

hl =

Columns 1 through 18

0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	1	0	0	NaN	1	1	1	0	1	0	0	0	1
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

0	0	1	0	0	NaN
---	---	---	---	---	-----

>> pl

pl =

Columns 1 through 10

0.0657	0.0755	0.0307	0.9245	0.8192	0.9066	0.9732	0.4641	0.8891	0.0467
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.0019	0.2368	0.3722	0.8081	0.8361	0.9675	0.6094	0.9984	0.8453	0.2116
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.8477	0.3887	0.7566	0.0454	0.1020	0.8577	NaN	0.0314	0.0360	0.0005
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

0.0561	0.0204	0.9439	0.1426	0.8575	0.0172	0.0207	0.0207	0.4821	0.9338
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.1144	0.9197	0.3394	0.0128	0.9869	0.8849	0.7014	0.9352	0.1856	0.3115
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.1433	0.6577	0.2774	0.3153	0.9928	0.1494	0.0035	0.3061	0.8542	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> cil

cil =

Columns 1 through 10

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.0260	0.6377	-5.1056	9.3363	0.7280	5.1843	0.8308	0.3088	0.6304	-3.3592

Columns 11 through 20

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-4.0934	0.0539	111.5170	4.9732	0.4618	6.0953	0.3289	10.9818	0.4033	0.1600

Columns 21 through 30

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.3442	0.8095	5.3720	-9.1159	0.0890	9.9991	NaN	-0.1421	-0.3480	-6.1821

Columns 31 through 40

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.1813	-1.4527	10.3417	2.0632	9.6524	-0.0436	-0.7189	-0.7110	4.2252	15.5559

Columns 41 through 50

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.2925	2.1694	0.6414	-1.0156	6.5888	6.4377	10.3240	7.7407	0.6800	1.6690

Columns 51 through 60

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.7137	3.5821	1.6579	1.2546	7.0464	0.6578	-1.5591	1.2667	3.1628	NaN

>> statsl.tstat

ans =

Columns 1 through 10

-1.5199 -1.4444 -1.8854 1.4444 0.9156 1.3265 1.9498 -0.0903 1.2275 -1.6987

Columns 11 through 20

-2.9430 -0.7189 -0.3268 0.8736 0.9822 1.8601 0.2784 3.0116 1.0205 -0.8034

Columns 21 through 30

1.0305 -0.2832 0.6974 -1.7125 -1.2760 1.0743 NaN -1.8782 -1.8237 -3.3357

Columns 31 through 40

-1.6003 -2.0645 1.5997 -1.0728 1.0732 -2.1372 -2.0584 -2.0601 -0.0451 1.5135

Columns 41 through 50

-1.2094 1.4111 -0.4149 -2.2576 2.2463 1.2050 0.5295 1.5247 -0.8970 -0.4929

Columns 51 through 60

-1.0695 0.4072 -0.5922 -0.4821 2.4843 -1.0429 -2.7343 -0.5080 1.0590 NaN

>> statsl.df

ans =

Columns 1 through 10

110.3845 135.4537 140.0271 135.4537 135.0384 140.8516 113.5708 140.1284 139.9249 78.8017

Columns 11 through 20

136.9090 119.3378 136.6449 140.9266 140.7967 140.9920 140.9126 129.2597 136.1619 139.9377

Columns 21 through 30

138.7141 140.6736 139.6661 78.7401 139.0056 139.4144 NaN 117.9930 76.8526 139.4004

Columns 31 through 40

122.7570 140.7176 122.7682 135.8607 135.8634 129.3847 134.6406 134.3699 126.3178 137.5658

Columns 41 through 50

129.5277 134.9112 133.2290 139.9241 139.9562 139.0147 140.2514 137.7375 140.9911 127.7059

Columns 51 through 60

139.6463 110.9147 130.5596 123.9684 114.1591 140.9999 134.3586 140.9865 130.2327 NaN

>> statsl.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0014	0.0196	0.1264	0.0196	0.0015	0.0105	0.0017	0.0011	0.0012	0.1890
0.0008	0.0162	0.1393	0.0162	0.0019	0.0103	0.0010	0.0012	0.0014	0.8106

Columns 11 through 20

0.0172	0.0003	0.4511	0.0115	0.0010	0.0103	0.0010	0.0159	0.0010	0.0012
0.0207	0.0004	0.5481	0.0120	0.0011	0.0105	0.0010	0.0119	0.0008	0.0011

Columns 21 through 30

0.0008	0.0036	0.0129	0.3637	0.0015	0.0229	0	0.0029	0.0037	0.0206
0.0007	0.0035	0.0144	1.5663	0.0013	0.0209	0	0.0047	0.0182	0.0233

Columns 31 through 40

0.0222	0.0206	0.0222	0.0230	0.0230	0.0005	0.0117	0.0116	0.0180	0.0314
0.0150	0.0219	0.0150	0.0191	0.0191	0.0006	0.0095	0.0094	0.0128	0.0271

Columns 41 through 50

0.0044	0.0046	0.0027	0.0096	0.0096	0.0141	0.0291	0.0133	0.0053	0.0070
0.0033	0.0038	0.0035	0.0106	0.0106	0.0127	0.0274	0.0157	0.0054	0.0099

Columns 51 through 60

0.0069	0.0127	0.0078	0.0074	0.0123	0.0064	0.0076	0.0066	0.0079	NaN
0.0077	0.0073	0.0106	0.0051	0.0074	0.0065	0.0096	0.0066	0.0059	NaN

```
>> d
```

```
d =
```

```
Columns 1 through 10
```

```
-0.2551 -0.2419 -0.3151  0.2419  0.1529  0.2219  0.3272 -0.0151  0.2051 -0.2823
```

```
Columns 11 through 20
```

```
-0.4916 -0.1199 -0.0546  0.1461  0.1642  0.3111  0.0466  0.5047  0.1709 -0.1344
```

```
Columns 21 through 30
```

```
 0.1725 -0.0474  0.1166 -0.2846 -0.2136  0.1798    NaN -0.3131 -0.3030 -0.5574
```

```
Columns 31 through 40
```

```
-0.2683 -0.3451  0.2683 -0.1797  0.1797 -0.3567 -0.3448 -0.3451 -0.0076  0.2534
```

```
Columns 41 through 50
```

```
-0.2027  0.2363 -0.0693 -0.3773  0.3754  0.2017  0.0886  0.2547 -0.1500 -0.0822
```

```
Columns 51 through 59
```

```
-0.1787  0.0684 -0.0988 -0.0808  0.4169 -0.1744 -0.4566 -0.0850  0.1775
```

```
>>
```

Young Laymen vs. Old Laymen

>> Y

Y =

Columns 1 through 10

0.4319	63.0000	175.7694	37.0000	6.2917	43.1986	2.4444	7.8472	5.9583	64.3750
--------	---------	----------	---------	--------	---------	--------	--------	--------	---------

Columns 11 through 20

21.2000	0.3422	271.7333	61.0694	3.6944	18.9375	3.5833	57.8042	2.4167	5.0833
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.6667	4.2083	24.3819	105.1667	1.6250	68.6833	1.0000	4.0556	3.4958	4.3014
--------	--------	---------	----------	--------	---------	--------	--------	--------	--------

Columns 31 through 40

4.7736	32.8389	95.2278	3.0264	96.9736	0.0444	1.2736	1.1375	1.7528	95.8472
--------	---------	---------	--------	---------	--------	--------	--------	--------	---------

Columns 41 through 50

46.5347	50.0472	3.4181	6.3222	93.6792	18.7181	53.4694	14.9764	0.3861	14.1028
---------	---------	--------	--------	---------	---------	---------	---------	--------	---------

Columns 51 through 60

0.4667	14.8208	14.0278	0.2778	13.0097	0.5486	13.7944	0.6014	12.9833	NaN
--------	---------	---------	--------	---------	--------	---------	--------	---------	-----

>> O

O =

Columns 1 through 10

0.4264	59.2444	215.2486	40.7556	5.8611	39.4931	2.6389	7.8472	5.6528	71.0139
--------	---------	----------	---------	--------	---------	--------	--------	--------	---------

Columns 11 through 20

22.9722	0.4316	442.0889	62.3056	3.8333	22.2944	3.8194	62.0361	2.4861	5.3472
---------	--------	----------	---------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

3.8889	4.1944	26.5931	123.4861	1.8889	61.4139	1.0000	4.9028	4.4556	8.5181
--------	--------	---------	----------	--------	---------	--------	--------	--------	--------

Columns 31 through 40

11.7847 32.9278 88.2194 9.7667 90.2361 0.1542 5.6569 5.5264 4.1097 84.7042

Columns 41 through 50

45.2889 51.6375 3.0764 8.5611 91.4389 24.1750 59.7583 17.0097 1.7542 12.1778

Columns 51 through 60

1.8639 13.2194 13.0889 1.9278 12.7917 1.5708 11.0833 1.4639 12.0292 NaN

>> h

h =

Columns 1 through 18

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Columns 19 through 36

0 0 0 0 0 0 0 0 NaN 0 0 0 1 0 1 1 1 1

Columns 37 through 54

1 1 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 1

Columns 55 through 60

0 1 1 1 0 NaN

>> p

p =

Columns 1 through 10

0.9242 0.3146 0.0785 0.3146 0.0972 0.0680 0.4551 1.0000 0.1601 0.6329

Columns 11 through 20

0.4765 0.2427 0.0717 0.7121 0.6226 0.1294 0.3893 0.2049 0.7802 0.3346

Columns 21 through 30

0.3363 0.9781 0.2503 0.4390 0.3462 0.0828 NaN 0.1093 0.1011 0.0578

Columns 31 through 40

0.0025 0.9791 0.0025 0.0018 0.0018 0.0057 0.0003 0.0002 0.0487 0.0006

Columns 41 through 50

0.2997	0.2163	0.5390	0.1635	0.1633	0.0865	0.2068	0.3549	0.0023	0.1532
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.0178	0.2089	0.5424	0.0006	0.8643	0.0288	0.0323	0.0483	0.5383	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> ci

ci =

Columns 1 through 10

-0.1100	-3.6006	-83.5242	-11.1117	-0.0794	-0.2779	-0.7077	-0.3758	-0.1223	-34.0571
0.1211	11.1117	4.5659	3.6006	0.9405	7.6890	0.3188	0.3758	0.7334	20.7793

Columns 11 through 20

-6.6799	-0.2404	-356.0989	-7.8440	-0.6955	-7.7120	-0.7766	-10.8017	-0.5605	-0.8027
3.1354	0.0617	15.3878	5.3718	0.4178	0.9981	0.3044	2.3378	0.4217	0.2750

Columns 21 through 30

-0.6776	-0.9865	-6.0053	-64.9852	-0.8163	-0.9571	NaN	-1.8868	-2.1099	-8.5752
0.2332	1.0143	1.5831	28.3464	0.2885	15.4960	NaN	0.1924	0.1904	0.1419

Columns 31 through 40

-11.4981	-6.7877	2.5224	-10.9067	2.5714	-0.1869	-6.6904	-6.6527	-4.7002	4.8761
-2.5242	6.6100	11.4943	-2.5739	10.9036	-0.0325	-2.0762	-2.1251	-0.0137	17.4100

Columns 41 through 50

-1.1213	-4.1231	-0.7555	-5.3996	-0.9204	-11.7065	-16.0916	-6.3707	-2.2340	-0.7253
3.6129	0.9425	1.4388	0.9218	5.4009	0.7926	3.5138	2.3041	-0.5022	4.5753

Columns 51 through 60

-2.5465	-0.9065	-2.1031	-2.5624	-2.2992	-1.9372	0.2318	-1.7184	-2.1042	NaN
-0.2479	4.1092	3.9808	-0.7376	2.7353	-0.1072	5.1904	-0.0066	4.0126	NaN

>> stats.tstat

ans =

Columns 1 through 10

0.0954	1.0092	-1.7746	-1.0092	1.6708	1.8395	-0.7491	0	1.4126	-0.4788
--------	--------	---------	---------	--------	--------	---------	---	--------	---------

Columns 11 through 20

-0.7139 -1.1764 -1.8238 -0.3698 -0.4933 -1.5291 -0.8636 -1.2739 -0.2795 -0.9681

Columns 21 through 30

-0.9650 0.0274 -1.1563 -0.7760 -0.9458 1.7469 NaN -1.6120 -1.6529 -1.9129

Columns 31 through 40

-3.0949 -0.0262 3.0944 -3.2050 3.2039 -2.8132 -3.7771 -3.8559 -1.9889 3.5274

Columns 41 through 50

1.0412 -1.2426 0.6158 -1.4008 1.4017 -1.7272 -1.2683 -0.9291 -3.1405 1.4359

Columns 51 through 60

-2.4157 1.2624 0.6109 -3.5993 0.1712 -2.2096 2.1618 -1.9942 0.6170 NaN

>> stats.df

ans =

Columns 1 through 10

96.5392 141.9222 120.6220 141.9222 126.7546 136.6986 137.1397 138.3477 132.1104 137.6065

Columns 11 through 20

140.8273 86.0743 84.1477 141.1442 140.8087 100.9322 140.6920 136.0255 141.7779 141.6388

Columns 21 through 30

136.7940 141.2808 99.1256 141.9121 120.4726 141.6542 NaN 132.3857 114.3362 138.5026

Columns 31 through 40

115.8660 136.1832 115.8684 113.4237 113.4309 120.3204 85.7753 83.2255 138.1121 100.5406

Columns 41 through 50

130.8821 125.2382 135.7337 135.7801 135.7802 132.1223 140.9682 109.4827 86.5195 140.5598

Columns 51 through 60

88.5999 141.2084 124.0862 79.0405 141.3494 134.3209 141.2108 126.0191 135.6402 NaN

>> stats.sd

ans =

Columns 1 through 10

0.4537	22.0643	101.5699	22.0643	1.2496	10.8311	1.4031	1.0436	1.1062	90.3244
0.1957	22.5871	159.1171	22.5871	1.7944	13.2230	1.6976	1.2294	1.4647	75.3982

Columns 11 through 20

14.1988	0.2008	231.6426	20.8214	1.7654	7.9266	1.7178	17.7214	1.4608	1.6763
15.5594	0.6127	757.9703	19.2585	1.6098	16.8577	1.5594	21.9223	1.5198	1.5936

Columns 21 through 30

1.5105	2.9260	6.7129	143.3904	1.2720	24.3441	0	2.6953	2.4833	12.1299
1.2397	3.1428	14.7719	139.8654	1.9969	25.5780	0	3.5531	4.2551	14.2384

Columns 31 through 40

9.8493	18.1031	9.8473	8.9053	8.9053	0.1775	3.0382	2.7287	6.4866	11.3383
16.5075	22.3266	16.5035	15.4643	15.4627	0.2793	9.3669	9.2648	7.6838	24.2890

Columns 41 through 50

6.0433	6.1148	3.6690	8.5015	8.5015	16.1583	28.4501	8.8576	1.1666	7.6255
8.1588	8.9740	2.9496	10.5660	10.5660	21.3916	30.9977	16.3218	3.5074	8.4407

Columns 51 through 60

1.6412	7.3209	7.2612	0.9018	7.3762	2.4213	7.2380	2.0823	8.2132	NaN
4.6252	7.8912	10.8325	3.7838	7.8949	3.0899	7.8009	3.0219	10.2345	NaN

>> hr

hr =

Columns 1 through 18

0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	0	0	1	NaN	0	0	0	0	0	1	0	1	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

```

0  0  1  0  0 NaN
>> pr
pr =
Columns 1 through 10
0.4621  0.1573  0.9608  0.8427  0.0486  0.0340  0.7725  0.5000  0.0801  0.6836
Columns 11 through 20
0.7618  0.8787  0.9641  0.6440  0.6887  0.9353  0.8054  0.8976  0.6099  0.8327
Columns 21 through 30
0.8319  0.4891  0.8748  0.7805  0.8269  0.0414  NaN  0.9453  0.9495  0.9711
Columns 31 through 40
0.9988  0.5104  0.0012  0.9991  0.0009  0.9971  0.9999  0.9999  0.9757  0.0003
Columns 41 through 50
0.1499  0.8918  0.2695  0.9182  0.0816  0.9568  0.8966  0.8226  0.9988  0.0766
Columns 51 through 60
0.9911  0.1045  0.2712  0.9997  0.4321  0.9856  0.0162  0.9759  0.2691  NaN
>> cir
cir =
Columns 1 through 10
-0.0912 -2.4055 -76.3553 -9.9166  0.0036  0.3696 -0.6243 -0.3147 -0.0528 -29.6012
   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf
Columns 11 through 20
-5.8825 -0.2157 -325.7051 -6.7704 -0.6051 -7.0015 -0.6888 -9.7338 -0.4808 -0.7152
   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf
Columns 21 through 30
-0.6036 -0.8240 -5.3861 -57.4038 -0.7264  0.3794  NaN -1.7178 -1.9226 -7.8669
   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf   Inf
Columns 31 through 40

```

-10.7674	-5.6990	3.2529	-10.2280	3.2500	-0.1744	-6.3131	-6.2822	-4.3194	5.8986
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	

Columns 41 through 50

-0.7364	-3.7110	-0.5772	-4.8858	-0.4067	-10.6904	-14.4989	-5.6639	-2.0923	-0.2947
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	

Columns 51 through 60

-2.3586	-0.4990	-1.6081	-2.4130	-1.8902	-1.7885	0.6347	-1.5792	-1.6071	NaN
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	

```
>> statsr.tstat
```

```
ans =
```

Columns 1 through 10

0.0954	1.0092	-1.7746	-1.0092	1.6708	1.8395	-0.7491	0	1.4126	-0.4788
--------	--------	---------	---------	--------	--------	---------	---	--------	---------

Columns 11 through 20

-0.7139	-1.1764	-1.8238	-0.3698	-0.4933	-1.5291	-0.8636	-1.2739	-0.2795	-0.9681
---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

Columns 21 through 30

-0.9650	0.0274	-1.1563	-0.7760	-0.9458	1.7469	NaN	-1.6120	-1.6529	-1.9129
---------	--------	---------	---------	---------	--------	-----	---------	---------	---------

Columns 31 through 40

-3.0949	-0.0262	3.0944	-3.2050	3.2039	-2.8132	-3.7771	-3.8559	-1.9889	3.5274
---------	---------	--------	---------	--------	---------	---------	---------	---------	--------

Columns 41 through 50

1.0412	-1.2426	0.6158	-1.4008	1.4017	-1.7272	-1.2683	-0.9291	-3.1405	1.4359
--------	---------	--------	---------	--------	---------	---------	---------	---------	--------

Columns 51 through 60

-2.4157	1.2624	0.6109	-3.5993	0.1712	-2.2096	2.1618	-1.9942	0.6170	NaN
---------	--------	--------	---------	--------	---------	--------	---------	--------	-----

```
>> statsr.df
```

```
ans =
```

Columns 1 through 10

96.5392	141.9222	120.6220	141.9222	126.7546	136.6986	137.1397	138.3477	132.1104	137.6065
---------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Columns 11 through 20

140.8273 86.0743 84.1477 141.1442 140.8087 100.9322 140.6920 136.0255 141.7779 141.6388

Columns 21 through 30

136.7940 141.2808 99.1256 141.9121 120.4726 141.6542 NaN 132.3857 114.3362 138.5026

Columns 31 through 40

115.8660 136.1832 115.8684 113.4237 113.4309 120.3204 85.7753 83.2255 138.1121 100.5406

Columns 41 through 50

130.8821 125.2382 135.7337 135.7801 135.7802 132.1223 140.9682 109.4827 86.5195 140.5598

Columns 51 through 60

88.5999 141.2084 124.0862 79.0405 141.3494 134.3209 141.2108 126.0191 135.6402 NaN

>> statsr.sd

ans =

Columns 1 through 10

0.4537 22.0643 101.5699 22.0643 1.2496 10.8311 1.4031 1.0436 1.1062 90.3244
0.1957 22.5871 159.1171 22.5871 1.7944 13.2230 1.6976 1.2294 1.4647 75.3982

Columns 11 through 20

14.1988 0.2008 231.6426 20.8214 1.7654 7.9266 1.7178 17.7214 1.4608 1.6763
15.5594 0.6127 757.9703 19.2585 1.6098 16.8577 1.5594 21.9223 1.5198 1.5936

Columns 21 through 30

1.5105 2.9260 6.7129 143.3904 1.2720 24.3441 0 2.6953 2.4833 12.1299
1.2397 3.1428 14.7719 139.8654 1.9969 25.5780 0 3.5531 4.2551 14.2384

Columns 31 through 40

9.8493 18.1031 9.8473 8.9053 8.9053 0.1775 3.0382 2.7287 6.4866 11.3383
16.5075 22.3266 16.5035 15.4643 15.4627 0.2793 9.3669 9.2648 7.6838 24.2890

Columns 41 through 50

6.0433 6.1148 3.6690 8.5015 8.5015 16.1583 28.4501 8.8576 1.1666 7.6255
8.1588 8.9740 2.9496 10.5660 10.5660 21.3916 30.9977 16.3218 3.5074 8.4407

Columns 51 through 60

1.6412	7.3209	7.2612	0.9018	7.3762	2.4213	7.2380	2.0823	8.2132	NaN
4.6252	7.8912	10.8325	3.7838	7.8949	3.0899	7.8009	3.0219	10.2345	NaN

>> hl

hl =

Columns 1 through 18

0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	0	0	0	NaN	0	0	1	1	0	0	1	0	1
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

1	1	1	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

0	1	0	1	0	NaN
---	---	---	---	---	-----

>> pl

pl =

Columns 1 through 10

0.5379	0.8427	0.0392	0.1573	0.9514	0.9660	0.2275	0.5000	0.9199	0.3164
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.2382	0.1213	0.0359	0.3560	0.3113	0.0647	0.1946	0.1024	0.3901	0.1673
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.1681	0.5109	0.1252	0.2195	0.1731	0.9586	NaN	0.0547	0.0505	0.0289
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

0.0012	0.4896	0.9988	0.0009	0.9991	0.0029	0.0001	0.0001	0.0243	0.9997
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.8501	0.1082	0.7305	0.0818	0.9184	0.0432	0.1034	0.1774	0.0012	0.9234
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

```

0.0089 0.8955 0.7288 0.0003 0.5679 0.0144 0.9838 0.0241 0.7309 NaN
>> cil
cil =
Columns 1 through 10
    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf
    0.1023  9.9166 -2.6030  2.4055  0.8576  7.0416  0.2354  0.3147  0.6639 16.3234
Columns 11 through 20
    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf
    2.3381  0.0370 -15.0060  4.2982  0.3273  0.2876  0.2166  1.2700  0.3419  0.1874
Columns 21 through 30
    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf
    0.1592  0.8518  0.9639 20.7649  0.1986 14.1595    NaN  0.0234  0.0031 -0.5664
Columns 31 through 40
    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf
   -3.2548  5.5212 10.7638 -3.2525 10.2250 -0.0451 -2.4536 -2.4956 -0.3945 16.3875
Columns 41 through 50
    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf
    3.2280  0.5304  1.2605  0.4080  4.8872 -0.2235  1.9211  1.5972 -0.6438  4.1447
Columns 51 through 60
    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf    -Inf
   -0.4358  3.7018  3.4859 -0.8870  2.3263 -0.2560  4.7876 -0.1458  3.5154    NaN

```

```
>> statsl.tstat
```

```

ans =
Columns 1 through 10
    0.0954  1.0092 -1.7746 -1.0092  1.6708  1.8395 -0.7491     0  1.4126 -0.4788
Columns 11 through 20
   -0.7139 -1.1764 -1.8238 -0.3698 -0.4933 -1.5291 -0.8636 -1.2739 -0.2795 -0.9681
Columns 21 through 30

```

```

-0.9650  0.0274 -1.1563 -0.7760 -0.9458  1.7469    NaN -1.6120 -1.6529 -1.9129

Columns 31 through 40

-3.0949 -0.0262  3.0944 -3.2050  3.2039 -2.8132 -3.7771 -3.8559 -1.9889  3.5274

Columns 41 through 50

 1.0412 -1.2426  0.6158 -1.4008  1.4017 -1.7272 -1.2683 -0.9291 -3.1405  1.4359

Columns 51 through 60

-2.4157  1.2624  0.6109 -3.5993  0.1712 -2.2096  2.1618 -1.9942  0.6170    NaN

>> statsl.df

ans =

Columns 1 through 10

96.5392 141.9222 120.6220 141.9222 126.7546 136.6986 137.1397 138.3477 132.1104 137.6065

Columns 11 through 20

140.8273 86.0743 84.1477 141.1442 140.8087 100.9322 140.6920 136.0255 141.7779 141.6388

Columns 21 through 30

136.7940 141.2808 99.1256 141.9121 120.4726 141.6542    NaN 132.3857 114.3362 138.5026

Columns 31 through 40

115.8660 136.1832 115.8684 113.4237 113.4309 120.3204 85.7753 83.2255 138.1121 100.5406

Columns 41 through 50

130.8821 125.2382 135.7337 135.7801 135.7802 132.1223 140.9682 109.4827 86.5195 140.5598

Columns 51 through 60

88.5999 141.2084 124.0862 79.0405 141.3494 134.3209 141.2108 126.0191 135.6402    NaN

>> sd
Undefined function or variable 'sd'.

>> statsl.sd

ans =

Columns 1 through 10

```

0.4537	22.0643	101.5699	22.0643	1.2496	10.8311	1.4031	1.0436	1.1062	90.3244
0.1957	22.5871	159.1171	22.5871	1.7944	13.2230	1.6976	1.2294	1.4647	75.3982

Columns 11 through 20

14.1988	0.2008	231.6426	20.8214	1.7654	7.9266	1.7178	17.7214	1.4608	1.6763
15.5594	0.6127	757.9703	19.2585	1.6098	16.8577	1.5594	21.9223	1.5198	1.5936

Columns 21 through 30

1.5105	2.9260	6.7129	143.3904	1.2720	24.3441	0	2.6953	2.4833	12.1299
1.2397	3.1428	14.7719	139.8654	1.9969	25.5780	0	3.5531	4.2551	14.2384

Columns 31 through 40

9.8493	18.1031	9.8473	8.9053	8.9053	0.1775	3.0382	2.7287	6.4866	11.3383
16.5075	22.3266	16.5035	15.4643	15.4627	0.2793	9.3669	9.2648	7.6838	24.2890

Columns 41 through 50

6.0433	6.1148	3.6690	8.5015	8.5015	16.1583	28.4501	8.8576	1.1666	7.6255
8.1588	8.9740	2.9496	10.5660	10.5660	21.3916	30.9977	16.3218	3.5074	8.4407

Columns 51 through 60

1.6412	7.3209	7.2612	0.9018	7.3762	2.4213	7.2380	2.0823	8.2132	NaN
4.6252	7.8912	10.8325	3.7838	7.8949	3.0899	7.8009	3.0219	10.2345	NaN

```
>> d
```

```
d =
```

```
Columns 1 through 10
```

```
0.0159 0.1682 -0.2958 -0.1682 0.2785 0.3066 -0.1249 0 0.2354 -0.0798
```

```
Columns 11 through 20
```

```
-0.1190 -0.1961 -0.3040 -0.0616 -0.0822 -0.2549 -0.1439 -0.2123 -0.0466 -0.1614
```

```
Columns 21 through 30
```

```
-0.1608 0.0046 -0.1927 -0.1293 -0.1576 0.2911 NaN -0.2687 -0.2755 -0.3188
```

```
Columns 31 through 40
```

```
-0.5158 -0.0044 0.5157 -0.5342 0.5340 -0.4689 -0.6295 -0.6426 -0.3315 0.5879
```

```
Columns 41 through 50
```

```
0.1735 -0.2071 0.1026 -0.2335 0.2336 -0.2879 -0.2114 -0.1548 -0.5234 0.2393
```

```
Columns 51 through 59
```

```
-0.4026 0.2104 0.1018 -0.5999 0.0285 -0.3683 0.3603 -0.3324 0.1028
```

```
>>
```

Young Professionals vs. Old Professionals

Y =

Columns 1 through 10

1.0451 77.5141 269.8521 22.4859 6.4648 37.5887 1.8451 8.4366 6.0000 274.7746

Columns 11 through 20

32.8732 0.4201 319.0437 55.9859 3.3239 17.0873 3.4507 48.7676 2.1268 5.2817

Columns 21 through 30

3.5352 3.8732 28.4817 524.1690 2.4085 49.2704 1.0000 5.9859 8.6944 23.4042

Columns 31 through 40

26.3718 39.4028 73.6296 22.8268 77.1746 0.3803 14.5451 14.2225 8.2845 62.9521

Columns 41 through 50

48.6042 48.2493 3.1521 14.1944 85.8070 14.2789 66.8915 15.9338 3.2775 10.5451

Columns 51 through 60

4.8113 12.5099 7.0817 4.6465 14.1042 3.9394 9.3296 3.9845 9.8338 NaN

>> O

O =

Columns 1 through 10

0.9431 73.9917 312.7681 26.0083 6.5972 36.1611 2.3472 9.0139 6.3750 179.0139

Columns 11 through 20

35.1931 0.3837 343.7833 55.6389 3.2639 17.2389 3.3194 49.0708 1.8611 5.1528

Columns 21 through 30

3.3472 4.2361 27.5778 340.3611 2.8472 45.9764 1.0000 6.8056 6.6833 28.3625

Columns 31 through 40

31.6764 39.9042 68.3236 28.8194 71.1806 0.4792 15.0333 14.7139 13.7764 56.4639

Columns 41 through 50

47.7389 48.4597 3.7944 15.0194 84.9653 16.4403 68.4153 16.6458 4.5792 9.9958

Columns 51 through 60

5.0194 8.8778 10.6056 5.1472 11.7611 5.7806 10.1764 5.8375 5.5597 NaN

>> h

h =

Columns 1 through 18

0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0

Columns 19 through 36

0 0 0 0 0 0 0 0 NaN 0 0 0 0 0 0 0 0 0

Columns 37 through 54

0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0

Columns 55 through 60

0 0 0 0 1 NaN

>> p

p =

Columns 1 through 10

0.5897 0.2443 0.0555 0.2443 0.6412 0.4145 0.0295 0.0030 0.0867 0.3416

Columns 11 through 20

0.4797 0.5305 0.7688 0.8607 0.7331 0.9313 0.4409 0.9006 0.0780 0.4935

Columns 21 through 30

0.1431 0.5385 0.6941 0.3448 0.0610 0.3712 NaN 0.2098 0.3715 0.1942

Columns 31 through 40

0.0954 0.8897 0.0953 0.0895 0.0894 0.2832 0.7879 0.7833 0.0345 0.1883

Columns 41 through 50

```

0.1864 0.7677 0.2134 0.6316 0.6248 0.3387 0.7476 0.7726 0.1462 0.7029

Columns 51 through 60

0.8652 0.0360 0.0230 0.6382 0.1763 0.0860 0.5686 0.0918 0.0002 NaN

>> ci

ci =

Columns 1 through 10

-0.2725 -2.4339 -86.8487 -9.4787 -0.6934 -2.0212 -0.9536 -0.9554 -0.8048 -103.5253
0.4766 9.4787 1.0168 2.4339 0.4285 4.8764 -0.0507 -0.1992 0.0548 295.0468

Columns 11 through 20

-8.7914 -0.0781 -190.7883 -3.5545 -0.2874 -3.6197 -0.2045 -5.0960 -0.0302 -0.2423
4.1518 0.1509 141.3090 4.2486 0.4076 3.3166 0.4670 4.4895 0.5615 0.5002

Columns 21 through 30

-0.0644 -1.5263 -3.6342 -201.2604 -0.8980 -3.9682 NaN -2.1059 -2.4401 -12.4723
0.4404 0.8006 5.4420 568.8762 0.0205 10.5562 NaN 0.4666 6.4621 2.5558

Columns 31 through 40

-11.5516 -7.6333 -0.9413 -12.9228 -0.9358 -0.2806 -4.0687 -4.0171 -10.5746 -3.2143
0.9424 6.6306 11.5532 0.9374 12.9239 0.0828 3.0922 3.0344 -0.4092 16.1907

Columns 41 through 50

-0.4229 -1.6158 -1.6590 -4.2192 -2.5536 -6.6122 -10.8672 -5.5751 -3.0631 -2.2917
2.1536 1.1950 0.3743 2.5690 4.2371 2.2894 7.8197 4.1511 0.4597 3.3902

Columns 51 through 60

-2.6290 0.2426 -6.5532 -2.6031 -1.0660 -3.9465 -3.7781 -4.0118 2.0692 NaN
2.2126 7.0216 -0.4945 1.6016 5.7522 0.2642 2.0844 0.3058 6.4790 NaN

>> stats.tstat

ans =

Columns 1 through 10

0.5411 1.1692 -1.9313 -1.1692 -0.4670 0.8184 -2.2021 -3.0182 -1.7255 0.9570

Columns 11 through 20

```

```

-0.7087  0.6291 -0.2945  0.1759  0.3417 -0.0864  0.7729 -0.1251  1.7757  0.6865

Columns 21 through 30

 1.4728 -0.6167  0.3942  0.9507 -1.8889  0.8973   NaN -1.2600  0.8985 -1.3046

Columns 31 through 40

-1.6796 -0.1390  1.6799 -1.7109  1.7113 -1.0784 -0.2696 -0.2755 -2.1429  1.3223

Columns 41 through 50

 1.3279 -0.2960 -1.2507 -0.4806  0.4901 -0.9601 -0.3224 -0.2896 -1.4617  0.3822

Columns 51 through 60

-0.1700  2.1255 -2.3008 -0.4713  1.3594 -1.7299 -0.5715 -1.6988  3.8385   NaN

>> stats.df

ans =

Columns 1 through 10

89.5567 140.0054 139.5649 140.0054 130.4820 140.9731 121.9909 140.9892 134.1421 76.0069

Columns 11 through 20

140.5193 120.3337 140.9618 138.9772 139.7275 140.6764 139.8811 138.8351 134.0762 140.7933

Columns 21 through 30

138.4787 138.6310 124.6238 75.9916 139.0266 131.4480   NaN 137.1971 83.9158 140.3779

Columns 31 through 40

133.0732 140.7312 133.0795 129.3435 129.3371 109.6405 140.9657 140.8825 103.1063 137.9732

Columns 41 through 50

140.9296 140.9582 122.7641 140.6904 140.6798 139.9575 140.7582 135.4588 133.7094 140.3960

Columns 51 through 60

137.7128 101.5465 133.5481 128.4206 133.7326 131.9019 130.0433 124.8240 118.4207   NaN

>> stats.sd

ans =

```

1.0e+03 *

Columns 1 through 10

0.0015	0.0171	0.1250	0.0171	0.0014	0.0103	0.0011	0.0011	0.0011	0.8256
0.0006	0.0189	0.1404	0.0189	0.0019	0.0106	0.0016	0.0012	0.0014	0.1723

Columns 11 through 20

0.0189	0.0004	0.4945	0.0124	0.0011	0.0102	0.0011	0.0153	0.0010	0.0011
0.0203	0.0003	0.5099	0.0111	0.0010	0.0108	0.0010	0.0137	0.0008	0.0011

Columns 21 through 30

0.0008	0.0033	0.0159	1.5953	0.0013	0.0246	0	0.0035	0.0180	0.0218
0.0007	0.0038	0.0110	0.3326	0.0015	0.0189	0	0.0042	0.0057	0.0236

Columns 31 through 40

0.0163	0.0209	0.0163	0.0174	0.0174	0.0004	0.0107	0.0104	0.0095	0.0269
0.0212	0.0222	0.0212	0.0240	0.0240	0.0007	0.0110	0.0109	0.0195	0.0316

Columns 41 through 50

0.0038	0.0042	0.0024	0.0099	0.0099	0.0128	0.0286	0.0160	0.0046	0.0082
0.0040	0.0043	0.0036	0.0106	0.0106	0.0141	0.0279	0.0132	0.0060	0.0089

Columns 51 through 60

0.0078	0.0129	0.0079	0.0052	0.0114	0.0054	0.0074	0.0052	0.0079	NaN
0.0068	0.0064	0.0102	0.0073	0.0091	0.0072	0.0101	0.0077	0.0050	NaN

>> hr

hr =

Columns 1 through 18

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

1	0	0	0	0	0	0	0	NaN	0	0	0	0	0	1	0	1	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

```

0  0  0  0  1 NaN
>> pr
pr =
Columns 1 through 10
0.2949 0.1222 0.9723 0.8778 0.6794 0.2073 0.9852 0.9985 0.9566 0.1708
Columns 11 through 20
0.7601 0.2652 0.6156 0.4303 0.3666 0.5344 0.2205 0.5497 0.0390 0.2468
Columns 21 through 30
0.0715 0.7308 0.3470 0.1724 0.9695 0.1856 NaN 0.8951 0.1858 0.9029
Columns 31 through 40
0.9523 0.5552 0.0477 0.9552 0.0447 0.8584 0.6061 0.6083 0.9828 0.0941
Columns 41 through 50
0.0932 0.6162 0.8933 0.6842 0.3124 0.8307 0.6262 0.6137 0.9269 0.3514
Columns 51 through 60
0.5674 0.0180 0.9885 0.6809 0.0882 0.9570 0.7157 0.9541 0.0001 NaN
>> cir
cir =
Columns 1 through 10
-0.2113 -1.4661 -79.7100 -8.5109 -0.6022 -1.4608 -0.8801 -0.8940 -0.7350 -70.8538
Inf Inf Inf Inf Inf Inf Inf Inf Inf
Columns 11 through 20
-7.7399 -0.0595 -163.8097 -2.9205 -0.2310 -3.0562 -0.1500 -4.3171 0.0179 -0.1820
Inf Inf Inf Inf Inf Inf Inf Inf Inf
Columns 21 through 30
-0.0234 -1.3373 -2.8958 -138.1309 -0.8234 -2.7874 NaN -1.8969 -1.7117 -11.2514
Inf Inf Inf Inf Inf Inf Inf Inf Inf
Columns 31 through 40

```

-10.5359	-6.4745	0.0744	-11.7957	0.1912	-0.2510	-3.4870	-3.4443	-9.7456	-1.6375
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 41 through 50

-0.2136	-1.3875	-1.4935	-3.6677	-2.0019	-5.8890	-9.3491	-4.7847	-2.7767	-1.8301
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

Columns 51 through 60

-2.2356	0.7955	-6.0607	-2.2612	-0.5118	-3.6041	-3.3014	-3.6605	2.4281	NaN
Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

>> statsr.tstat

ans =

Columns 1 through 10

0.5411	1.1692	-1.9313	-1.1692	-0.4670	0.8184	-2.2021	-3.0182	-1.7255	0.9570
--------	--------	---------	---------	---------	--------	---------	---------	---------	--------

Columns 11 through 20

-0.7087	0.6291	-0.2945	0.1759	0.3417	-0.0864	0.7729	-0.1251	1.7757	0.6865
---------	--------	---------	--------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

1.4728	-0.6167	0.3942	0.9507	-1.8889	0.8973	NaN	-1.2600	0.8985	-1.3046
--------	---------	--------	--------	---------	--------	-----	---------	--------	---------

Columns 31 through 40

-1.6796	-0.1390	1.6799	-1.7109	1.7113	-1.0784	-0.2696	-0.2755	-2.1429	1.3223
---------	---------	--------	---------	--------	---------	---------	---------	---------	--------

Columns 41 through 50

1.3279	-0.2960	-1.2507	-0.4806	0.4901	-0.9601	-0.3224	-0.2896	-1.4617	0.3822
--------	---------	---------	---------	--------	---------	---------	---------	---------	--------

Columns 51 through 60

-0.1700	2.1255	-2.3008	-0.4713	1.3594	-1.7299	-0.5715	-1.6988	3.8385	NaN
---------	--------	---------	---------	--------	---------	---------	---------	--------	-----

>> statsr.df

ans =

Columns 1 through 10

89.5567	140.0054	139.5649	140.0054	130.4820	140.9731	121.9909	140.9892	134.1421	76.0069
---------	----------	----------	----------	----------	----------	----------	----------	----------	---------

Columns 11 through 20

140.5193 120.3337 140.9618 138.9772 139.7275 140.6764 139.8811 138.8351 134.0762 140.7933

Columns 21 through 30

138.4787 138.6310 124.6238 75.9916 139.0266 131.4480 NaN 137.1971 83.9158 140.3779

Columns 31 through 40

133.0732 140.7312 133.0795 129.3435 129.3371 109.6405 140.9657 140.8825 103.1063 137.9732

Columns 41 through 50

140.9296 140.9582 122.7641 140.6904 140.6798 139.9575 140.7582 135.4588 133.7094 140.3960

Columns 51 through 60

137.7128 101.5465 133.5481 128.4206 133.7326 131.9019 130.0433 124.8240 118.4207 NaN

>> statsr.sd

ans =

1.0e+03 *

Columns 1 through 10

0.0015	0.0171	0.1250	0.0171	0.0014	0.0103	0.0011	0.0011	0.0011	0.8256
0.0006	0.0189	0.1404	0.0189	0.0019	0.0106	0.0016	0.0012	0.0014	0.1723

Columns 11 through 20

0.0189	0.0004	0.4945	0.0124	0.0011	0.0102	0.0011	0.0153	0.0010	0.0011
0.0203	0.0003	0.5099	0.0111	0.0010	0.0108	0.0010	0.0137	0.0008	0.0011

Columns 21 through 30

0.0008	0.0033	0.0159	1.5953	0.0013	0.0246	0	0.0035	0.0180	0.0218
0.0007	0.0038	0.0110	0.3326	0.0015	0.0189	0	0.0042	0.0057	0.0236

Columns 31 through 40

0.0163	0.0209	0.0163	0.0174	0.0174	0.0004	0.0107	0.0104	0.0095	0.0269
0.0212	0.0222	0.0212	0.0240	0.0240	0.0007	0.0110	0.0109	0.0195	0.0316

Columns 41 through 50

0.0038	0.0042	0.0024	0.0099	0.0099	0.0128	0.0286	0.0160	0.0046	0.0082
0.0040	0.0043	0.0036	0.0106	0.0106	0.0141	0.0279	0.0132	0.0060	0.0089

Columns 51 through 60

0.0078	0.0129	0.0079	0.0052	0.0114	0.0054	0.0074	0.0052	0.0079	NaN
0.0068	0.0064	0.0102	0.0073	0.0091	0.0072	0.0101	0.0077	0.0050	NaN

>> hl

hl =

Columns 1 through 18

0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 19 through 36

0	0	0	0	0	0	1	0	NaN	0	0	0	1	0	0	1	0	0
---	---	---	---	---	---	---	---	-----	---	---	---	---	---	---	---	---	---

Columns 37 through 54

0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Columns 55 through 60

0	1	0	1	0	NaN
---	---	---	---	---	-----

>> pl

pl =

Columns 1 through 10

0.7051	0.8778	0.0277	0.1222	0.3206	0.7927	0.0148	0.0015	0.0434	0.8292
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 11 through 20

0.2399	0.7348	0.3844	0.5697	0.6334	0.4656	0.7795	0.4503	0.9610	0.7532
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 21 through 30

0.9285	0.2692	0.6530	0.8276	0.0305	0.8144	NaN	0.1049	0.8142	0.0971
--------	--------	--------	--------	--------	--------	-----	--------	--------	--------

Columns 31 through 40

0.0477	0.4448	0.9523	0.0448	0.9553	0.1416	0.3939	0.3917	0.0172	0.9059
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 41 through 50

0.9068	0.3838	0.1067	0.3158	0.6876	0.1693	0.3738	0.3863	0.0731	0.6486
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Columns 51 through 60

0.4326	0.9820	0.0115	0.3191	0.9118	0.0430	0.2843	0.0459	0.9999	NaN
--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

>> cil

cil =

Columns 1 through 10

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.4153	8.5109	-6.1219	1.4661	0.3373	4.3161	-0.1242	-0.2606	-0.0150	262.3753

Columns 11 through 20

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
3.1003	0.1322	114.3304	3.6146	0.3511	2.7531	0.4125	3.7107	0.5134	0.4398

Columns 21 through 30

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
0.3994	0.6115	4.7036	505.7467	-0.0541	9.3754	NaN	0.2576	5.7337	1.3349

Columns 31 through 40

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
-0.0732	5.4718	10.5376	-0.1896	11.7969	0.0532	2.5105	2.4616	-1.2382	14.6139

Columns 41 through 50

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
1.9443	0.9666	0.2089	2.0176	3.6854	1.5662	6.3016	3.3606	0.1733	2.9286

Columns 51 through 60

-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf	-Inf
1.8192	6.4686	-0.9870	1.2597	5.1980	-0.0781	1.6078	-0.0455	6.1200	NaN

>> statsl.tstat

ans =

Columns 1 through 10

0.5411	1.1692	-1.9313	-1.1692	-0.4670	0.8184	-2.2021	-3.0182	-1.7255	0.9570
--------	--------	---------	---------	---------	--------	---------	---------	---------	--------

Columns 11 through 20

-0.7087	0.6291	-0.2945	0.1759	0.3417	-0.0864	0.7729	-0.1251	1.7757	0.6865
---------	--------	---------	--------	--------	---------	--------	---------	--------	--------

Columns 21 through 30

1.4728 -0.6167 0.3942 0.9507 -1.8889 0.8973 NaN -1.2600 0.8985 -1.3046

Columns 31 through 40

-1.6796 -0.1390 1.6799 -1.7109 1.7113 -1.0784 -0.2696 -0.2755 -2.1429 1.3223

Columns 41 through 50

1.3279 -0.2960 -1.2507 -0.4806 0.4901 -0.9601 -0.3224 -0.2896 -1.4617 0.3822

Columns 51 through 60

-0.1700 2.1255 -2.3008 -0.4713 1.3594 -1.7299 -0.5715 -1.6988 3.8385 NaN

```
>> statsl.df
```

```
ans =
```

Columns 1 through 10

89.5567 140.0054 139.5649 140.0054 130.4820 140.9731 121.9909 140.9892 134.1421 76.0069

Columns 11 through 20

140.5193 120.3337 140.9618 138.9772 139.7275 140.6764 139.8811 138.8351 134.0762 140.7933

Columns 21 through 30

138.4787 138.6310 124.6238 75.9916 139.0266 131.4480 NaN 137.1971 83.9158 140.3779

Columns 31 through 40

133.0732 140.7312 133.0795 129.3435 129.3371 109.6405 140.9657 140.8825 103.1063 137.9732

Columns 41 through 50

140.9296 140.9582 122.7641 140.6904 140.6798 139.9575 140.7582 135.4588 133.7094 140.3960

Columns 51 through 60

137.7128 101.5465 133.5481 128.4206 133.7326 131.9019 130.0433 124.8240 118.4207 NaN

```
>> sd
```

```
Undefined function or variable 'sd'.
```

```
>> statsl.sd
```

```
ans =
```

1.0e+03 *

Columns 1 through 10

0.0015	0.0171	0.1250	0.0171	0.0014	0.0103	0.0011	0.0011	0.0011	0.8256
0.0006	0.0189	0.1404	0.0189	0.0019	0.0106	0.0016	0.0012	0.0014	0.1723

Columns 11 through 20

0.0189	0.0004	0.4945	0.0124	0.0011	0.0102	0.0011	0.0153	0.0010	0.0011
0.0203	0.0003	0.5099	0.0111	0.0010	0.0108	0.0010	0.0137	0.0008	0.0011

Columns 21 through 30

0.0008	0.0033	0.0159	1.5953	0.0013	0.0246	0	0.0035	0.0180	0.0218
0.0007	0.0038	0.0110	0.3326	0.0015	0.0189	0	0.0042	0.0057	0.0236

Columns 31 through 40

0.0163	0.0209	0.0163	0.0174	0.0174	0.0004	0.0107	0.0104	0.0095	0.0269
0.0212	0.0222	0.0212	0.0240	0.0240	0.0007	0.0110	0.0109	0.0195	0.0316

Columns 41 through 50

0.0038	0.0042	0.0024	0.0099	0.0099	0.0128	0.0286	0.0160	0.0046	0.0082
0.0040	0.0043	0.0036	0.0106	0.0106	0.0141	0.0279	0.0132	0.0060	0.0089

Columns 51 through 60

0.0078	0.0129	0.0079	0.0052	0.0114	0.0054	0.0074	0.0052	0.0079	NaN
0.0068	0.0064	0.0102	0.0073	0.0091	0.0072	0.0101	0.0077	0.0050	NaN

```
>> d
```

```
d =
```

```
Columns 1 through 10
```

```
0.0910 0.1954 -0.3228 -0.1954 -0.0780 0.1368 -0.3672 -0.5047 -0.2881 0.1611
```

```
Columns 11 through 20
```

```
-0.1185 0.1055 -0.0493 0.0294 0.0572 -0.0144 0.1293 -0.0209 0.2974 0.1148
```

```
Columns 21 through 30
```

```
0.2465 -0.1030 0.0661 0.1600 -0.3156 0.1503 NaN -0.2105 0.1511 -0.2181
```

```
Columns 31 through 40
```

```
-0.2804 -0.0232 0.2805 -0.2855 0.2856 -0.1797 -0.0451 -0.0461 -0.3568 0.2209
```

```
Columns 41 through 50
```

```
0.2220 -0.0495 -0.2086 -0.0803 0.0819 -0.1605 -0.0539 -0.0485 -0.2440 0.0639
```

```
Columns 51 through 59
```

```
-0.0285 0.3570 -0.3841 -0.0786 0.2277 -0.2888 -0.0954 -0.2834 0.6439
```

```
>>
```