

# Supplementary file with raw data and statistical comparisons

lateralized_ Cumulative headaches Frequency	RminusL	SideLoc	Frequency	
----- -----				
. 26	.		26	
. 27	-3	Left	1	
. 29	-2	Left	2	
. 36	-1	Left	7	
. 62	0		26	
. 69	1	Right	7	
. 72	2	Right	3	
. 76	3	Right	4	
No 300	.		224	
Yes 346	-3	Left	31	331
Yes 374	-2	Left	15	
Yes 430	-1	Left	28	
Yes 471	0		56	
Yes 490	1	Right	41	
Yes 550	2	Right	19	
	3	Right	60	

Table of r\_lat\_score by l\_lat\_score

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r_lat_score(Right laterality score)
      l_lat_score(Left laterality score)
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Frequency	1never	2sometim es	3usually	4always	Total
1never	0	3	15	32	50
2sometimes	9	67	31	2	109
3usually	19	39	14	1	73
4always	64	3	0	1	68
Total	92	112	60	36	300

~~~~~

This is Never on one and Always on the other

| Extreme<br>Side | Frequency | Percent |
|-----------------|-----------|---------|
| Left            | 32        | 33.33   |
| Right           | 64        | 66.67   |

ExtremeSide = Left

|                      |        |
|----------------------|--------|
| Proportion           | 0.3333 |
| 95% Lower Conf Limit | 0.2404 |
| 95% Upper Conf Limit | 0.4369 |

Test of H0: Proportion = 0.5 P = 0.0011

~~~~~

This is Never on one and Non-Never on the other:

Occurs Side	Frequency	Percent
Left	50	35.21
Right	92	64.79

OccursSide = Left

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Proportion          0.3521
95% Lower Conf Limit 0.2739
95% Upper Conf Limit 0.4366

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Test of H0: Proportion = 0.5    P =    0.0004

~~~~~  
Migraines only:  
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Table of r\_lat\_score by l\_lat\_score

r\_lat\_score(Right laterality score)

l\_lat\_score(Left laterality score)

Frequency	1never	2sometim	3usually	4always	Total
		es			
1never	0	3	15	24	42
2sometimes	9	66	29	2	106
3usually	19	38	13	1	71
4always	50	3	0	1	54
Total	78	110	57	28	273

~~~~~  
This is Never on one and Always on the other

Extreme

| Side  | Frequency | Percent |
|-------|-----------|---------|
| Left  | 24        | 32.43   |
| Right | 50        | 67.57   |

ExtremeSide = Left

```

Proportion          0.3243
95% Lower Conf Limit 0.2200
95% Upper Conf Limit 0.4432

```

Test of H0: Proportion = 0.5 p = 0.0025

~~~~~

This is Never on one and Non-Never on the other:

Occurs		
Side	Frequency	Percent
-----		
Left	42	35.00
Right	78	65.00

OccursSide = Left

Proportion	0.3500
95% Lower Conf Limit	0.2652
95% Upper Conf Limit	0.4424

Test of H0: Proportion = 0.5 p = 0.0010

## Full tables

Table of sex by RminusL

sex(Sex)		RminusL					
Frequency							
Row Pct							
Col Pct		-3	-2	-1	0	1	
2		3	Total				
-----+-----+-----+-----+-----+-----+-----							
-----+-----+							
Female	29	15	31	75	43	17	
51	261						
	11.11	5.75	11.88	28.74	16.48		
6.51	19.54						
	90.63	88.24	88.57	91.46	89.58		
77.27	79.69						
-----+-----+-----+-----+-----+-----+-----							
-----+-----+							
Male	3	2	4	7	5	5	
13	39						

		7.69	5.13	10.26	17.95	12.82	
12.82	33.33						
		9.38	11.76	11.43	8.54	10.42	
22.73	20.31						
-----+-----+-----+-----+-----+-----+-----							
-----+-----+							
Total		32	17	35	82	48	
22	64	300					

Frequency Missing = 250

Table of White by RminusL

White		RminusL					
Frequency							
Row	Pct						
Col	Pct	-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	0	1	3	1	4	2	1
5	17						
		5.88	17.65	5.88	23.53	11.76	
5.88	29.41						
		3.70	21.43	3.45	5.56	4.35	
4.76	8.33						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	1	26	11	28	68	44	20
55	252						
		10.32	4.37	11.11	26.98	17.46	
7.94	21.83						
		96.30	78.57	96.55	94.44	95.65	
95.24	91.67						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		27	14	29	72	46	21
	60	269					

Frequency Missing = 281

# Table of ethnicity by RminusL

ethnicity(Hispanic or Latino)			RminusL					
Frequency								
Row Pct								
Col Pct			-3	-2	-1	0	1	
2			3	Total				
-----+-----+-----+-----+-----+-----+-----								
-+-----+								
No			25	13	23	66	40	21
	55		243					
			10.29	5.35	9.47	27.16	16.46	
8.64	22.63							
			96.15	92.86	79.31	91.67	88.89	
100.00	93.22							
-----+-----+-----+-----+-----+-----+-----								
-+-----+								
Yes			1	1	6	6	5	0
	4		23					
			4.35	4.35	26.09	26.09	21.74	
0.00	17.39							
			3.85	7.14	20.69	8.33	11.11	
0.00	6.78							
-----+-----+-----+-----+-----+-----+-----								
-+-----+								
Total			26	14	29	72	45	21
59	266							

Frequency Missing = 284

# Table of Married by RminusL

Married		RminusL					
Frequency							
Row Pct							
Col Pct		-3	-2	-1	0	1	
2		3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
0	10	6	12	34	18	8	25
113							

		8.85	5.31	10.62	30.09	15.93	
7.08	22.12						
		31.25	37.50	37.50	41.98	37.50	
38.10	39.68						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	1	22	10	20	47	30	13
38	180						
		12.22	5.56	11.11	26.11	16.67	
7.22	21.11						
		68.75	62.50	62.50	58.02	62.50	
61.90	60.32						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		32	16	32	81	48	21
	63	293					

Frequency Missing = 257

Table of CollegeGrad by RminusL

CollegeGrad		RminusL						
Frequency								
Row	Pct							
Col	Pct	-3	-2	-1	0	1		
	2	3	Total					
-----+-----+-----+-----+-----+-----+-----								
-+-----+								
	0	9	7	15	27	14	6	26
	104							
		8.65	6.73	14.42	25.96	13.46		
5.77	25.00							
		37.50	58.33	50.00	39.13	32.56		
33.33	41.94							
-----+-----+-----+-----+-----+-----+-----								
-+-----+								
	1	15	5	15	42	29	12	36
	154							
		9.74	3.25	9.74	27.27	18.83		
7.79	23.38							
		62.50	41.67	50.00	60.87	67.44	66.67	
	58.06							

Total	24	12	30	69	43	18
62	258					

Frequency Missing = 292

Table of Employed by RminusL

Employed RminusL

Frequency							
Row Pct							
Col Pct		-3	-2	-1	0	1	
2	3	Total					
0	4	6	14	24	14	4	19
85							
	4.71	7.06	16.47	28.24	16.47		
4.71	22.35						
	14.29	54.55	48.28	34.29	32.56		
25.00	33.33						
1	24	5	15	46	29	12	38
169							
	14.20	2.96	8.88	27.22	17.16		
7.10	22.49						
	85.71	45.45	51.72	65.71	67.44		
75.00	66.67						
Total	28	11	29	70	43	16	
57	254						

Frequency Missing = 296

Table of aura by RminusL

aura(Is aura present?) RminusL



Frequency							
Row Pct							
Col Pct							
2  3  Total							
-----+-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
No	11	8	17	32	21	8	
23	120						
	9.17	6.67	14.17	26.67	17.50		
6.67	19.17						
	61.11	80.00	77.27	72.73	75.00		
53.33	67.65						
-----+-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
Yes	7	2	5	12	7	7	
	11	51					
	13.73	3.92	9.80	23.53	13.73		
13.73	21.57						
	38.89	20.00	22.73	27.27	25.00		
46.67	32.35						
-----+-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
Total	18	10	22	44	28	15	
	34	171					

Frequency Missing = 379

Table of lateralized\_headaches by RminusL

lateralized\_headaches(Are headaches lateralized?) RminusL

Frequency							
Row Pct							
Col Pct							
2  3  Total							
-----+-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
No	0	0	0	0	0	0	
	0	0					
	.	.	.	.	.	.	
	.						
	0.00	0.00	0.00	0.00	0.00		
0.00	0.00						

Yes	31	15	28	56	41	19
60	250					
	12.40	6.00	11.20	22.40	16.40	
7.60	24.00					
	100.00	100.00	100.00	100.00	100.00	
100.00	100.00					
Total	31	15	28	56	41	19
60	250					

Frequency Missing = 300

Table of MigraineDx by RminusL

MigraineDx		RminusL					
Frequency							
Row	Pct						
Col	Pct	-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	0	8	0	2	2	1	0
14	27						
		29.63	0.00	7.41	7.41	3.70	
0.00	51.85						
		25.00	0.00	5.71	2.44	2.08	
0.00	21.88						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	1	24	17	33	80	47	22
50	273						
		8.79	6.23	12.09	29.30	17.22	
8.06	18.32						
		75.00	100.00	94.29	97.56	97.92	100.00
	78.13						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		32	17	35	82	48	22
	64	300					

Frequency Missing = 250

Table of RightHanded by RminusL

RightHanded		RminusL					
Frequency							
Row	Pct						
Col	Pct	-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
0	7	2	0	10	2	0	
7	28						
		25.00	7.14	0.00	35.71	7.14	
0.00	25.00						
		25.00	13.33	0.00	12.99	4.88	
0.00	11.86						
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
1	21	13	29	67	39	20	
52	241						
		8.71	5.39	12.03	27.80	16.18	
8.30	21.58						
		75.00	86.67	100.00	87.01	95.12	
100.00	88.14						
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
Total		28	15	29	77	41	20
	59	269					

Frequency Missing = 281

Table of Substance by RminusL

Substance		RminusL				
Frequency						
Row	Pct					
Col	Pct	-3	-2	-1	0	1
	2	3	Total			

0	32	16	34	80	48	20
64	294					
	10.88	5.44	11.56	27.21	16.33	
6.80	21.77					
	100.00	94.12	97.14	97.56	100.00	
90.91	100.00					
1	0	1	1	2	0	2
0	6					
	0.00	16.67	16.67	33.33	0.00	
33.33	0.00					
	0.00	5.88	2.86	2.44	0.00	
9.09	0.00					
Total	32	17	35	82	48	22
64	300					

Frequency Missing = 250

Table of Anxiety by RminusL

Anxiety RminusL

Frequency						
Row Pct						
Col Pct	-3	-2	-1	0	1	
2	3	Total				
0	22	11	22	58	33	15
48	209					
	10.53	5.26	10.53	27.75	15.79	
7.18	22.97					
	68.75	64.71	62.86	70.73	68.75	
68.18	75.00					
1	10	6	13	24	15	7
91						

		10.99	6.59	14.29	26.37	16.48	
7.69	17.58						
		31.25	35.29	37.14	29.27	31.25	
31.82	25.00						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		32	17	35	82	48	22
	64	300					

Frequency Missing = 250

Table of Depression by RminusL

Depression		RminusL					
Frequency							
Row	Pct						
Col	Pct	-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	0	26	10	21	53	33	11
	51	205					
		12.68	4.88	10.24	25.85	16.10	
5.37	24.88						
		81.25	58.82	60.00	64.63	68.75	
50.00	79.69						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	1	6	7	14	29	15	11
	95						13
		6.32	7.37	14.74	30.53	15.79	
11.58	13.68						
		18.75	41.18	40.00	35.37	31.25	
50.00	20.31						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		32	17	35	82	48	22
	64	300					

Frequency Missing = 250

Table of Bipolar by RminusL

Bipolar      RminusL

Frequency							
Row Pct							
Col Pct	-3	-2	-1	0	1		
2	3	Total					
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
0	31	15	34	78	47	20	
62   287							
	10.80	5.23	11.85	27.18	16.38	6.97	
21.60							
	96.88	88.24	97.14	95.12	97.92		
90.91	96.88						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
1	1	2	1	4	1	2	2
	13						
	7.69	15.38	7.69	30.77	7.69		
15.38	15.38						
	3.13	11.76	2.86	4.88	2.08		
9.09	3.13						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total	32	17	35	82	48	22	
64	300						

Frequency Missing = 250

Table of Cognitive by RminusL

Cognitive      RminusL

Frequency							
Row Pct							
Col Pct	-3	-2	-1	0	1		
2	3	Total					
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
0	32	17	35	82	48	22	
64   300							

		10.67	5.67	11.67	27.33	16.00	
7.33	21.33						
		100.00	100.00	100.00	100.00	100.00	
100.00	100.00						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	1	0	0	0	0	0	0
0	0						
		.	.	.	.	.	.
	.						
		0.00	0.00	0.00	0.00	0.00	
0.00	0.00						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		32	17	35	82	48	22
	64	300					

Frequency Missing = 250

Table of Eating by RminusL

Eating RminusL

Frequency							
Row Pct							
Col Pct		-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	0	32	17	35	78	48	22
64	296						
		10.81	5.74	11.82	26.35	16.22	
7.43	21.62						
		100.00	100.00	100.00	95.12	100.00	
100.00	100.00						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	1	0	0	0	4	0	0
0	4						
		0.00	0.00	0.00	100.00	0.00	
0.00	0.00						
		0.00	0.00	0.00	4.88	0.00	
0.00	0.00						

Total	32	17	35	82	48	22
64	300					

Frequency Missing = 250

Table of Psychotic by RminusL

Psychotic		RminusL					
Frequency							
Row Pct							
Col Pct		-3	-2	-1	0	1	
2	3	Total					
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
0	32	17	35	82	48	21	
63	298						
		10.74	5.70	11.74	27.52	16.11	
7.05	21.14						
		100.00	100.00	100.00	100.00	100.00	
95.45	98.44						
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
1	0	0	0	0	0	1	
1	2						
		0.00	0.00	0.00	0.00	0.00	
50.00	50.00						
		0.00	0.00	0.00	0.00	0.00	
4.55	1.56						
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
Total	32	17	35	82	48	22	
64	300						

Frequency Missing = 250

Table of PTSD by RminusL

PTSD RminusL



Frequency							
Row	Pct						
Col	Pct	-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
	0	28	15	33	76	47	22
63	284						
		9.86	5.28	11.62	26.76	16.55	
7.75	22.18						
		87.50	88.24	94.29	92.68	97.92	100.00
98.44							
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
	1	4	2	2	6	1	0
1	16						
		25.00	12.50	12.50	37.50	6.25	
0.00	6.25						
		12.50	11.76	5.71	7.32	2.08	
0.00	1.56						
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
Total		32	17	35	82	48	22
64	300						

Frequency Missing = 250

Table of OpiodsPrior by RminusL

OpiodsPrior		RminusL					
Frequency							
Row	Pct						
Col	Pct	-3	-2	-1	0	1	
	2	3	Total				
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
	0	24	13	25	71	40	18
50	241						
		9.96	5.39	10.37	29.46	16.60	
7.47	20.75						
		75.00	76.47	71.43	86.59	83.33	
81.82	78.13						

1	8	4	10	11	8	4
14	59					
	13.56	6.78	16.95	18.64	13.56	
6.78	23.73					
	25.00	23.53	28.57	13.41	16.67	
18.18	21.88					
Total	32	17	35	82	48	22
64	300					

Frequency Missing = 250

Table of BarbituratesPrior by RminusL

BarbituratesPrior RminusL

Frequency											
Row	Pct										
Col	Pct	-3		-2		-1		0		1	
2		3		Total							
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----											
-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----											
0		20		15		25		66		34	
52		227								15	
		8.81		6.61		11.01		29.07		14.98	
6.61		22.91									
		62.50		88.24		71.43		80.49		70.83	
68.18		81.25									
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----											
-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----											
1		12		2		10		16		14	
73										7	
		16.44		2.74		13.70		21.92		19.18	
9.59		16.44									
		37.50		11.76		28.57		19.51		29.17	
31.82		18.75									
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----											
-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----											
Total		32		17		35		82		48	
64		300								22	

Frequency Missing = 250

Table of TriptansPrior by RminusL

TriptansPrior RminusL

Frequency							
Row Pct							
Col Pct	-3	-2	-1	0	1	2	
3  Total							
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
0	12	11	20	52	23	11	
30   159							
	7.55	6.92	12.58	32.70	14.47		
6.92   18.87							
	37.50	64.71	57.14	63.41	47.92		
50.00   46.88							
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
1	20	6	15	30	25	11	34
141							
	14.18	4.26	10.64	21.28	17.73		
7.80   24.11							
	62.50	35.29	42.86	36.59	52.08		
50.00   53.13							
-----+-----+-----+-----+-----+-----+-----							
-+-----+-----							
Total	32	17	35	82	48	22	
64 300							

Frequency Missing = 250

Table of OpioidsPost by RminusL

OpioidsPost RminusL

Frequency					
Row Pct					
Col Pct	-3	-2	-1	0	1
2  3  Total					



		8.70	2.90	13.04	23.19	20.29	
11.59	20.29						
		18.75	11.76	25.71	19.51	29.17	
36.36	21.88						
-----+-----+-----+-----+-----+-----+-----							
-+-----+							
Total		32	17	35	82	48	22
	64	300					

Frequency Missing = 250

Table of TriptansPost by RminusL

TriptansPost RminusL

Frequency											
Row	Pct										
Col	Pct	-3		-2		-1		0		1	
	2	3		Total							
-----+-----+-----+-----+-----+-----+-----											
-+-----+											
	0	8	5	13	25	14	9	14			
	88										
		9.09	5.68	14.77	28.41	15.91					
10.23	15.91										
		25.00	29.41	37.14	30.49	29.17					
40.91	21.88										
-----+-----+-----+-----+-----+-----+-----											
-+-----+											
	1	24	12	22	57	34	13				
50	212										
		11.32	5.66	10.38	26.89	16.04					
6.13	23.58										
		75.00	70.59	62.86	69.51	70.83					
59.09	78.13										
-----+-----+-----+-----+-----+-----+-----											
-+-----+											
Total		32	17	35	82	48	22				
	64	300									

Frequency Missing = 250

Table of race by RminusL

race(Race)	RminusL					
Frequency						
Row Pct						
Col Pct	-3	-2	-1	0	1	
2	3	Total				
-----+-----+-----+-----+-----+-----						
+-----+-----+						
American Indian	0	1	0	0	0	
0	0	1				
or Alaska Native	0.00	100.00	0.00	0.00	0.00	
0.00	0.00					
	0.00	7.14	0.00	0.00	0.00	
0.00	0.00					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Asian	0	0	1	2	0	0
1	4					
	0.00	0.00	25.00	50.00	0.00	
0.00	25.00					
	0.00	0.00	3.45	2.78	0.00	
0.00	1.67					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Black or African	1	2	0	2	2	
1	4	12				
/American	8.33	16.67	0.00	16.67	16.67	
8.33	33.33					
	3.70	14.29	0.00	2.78	4.35	
4.76	6.67					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
White	26	11	28	68	44	20
55	252					
	10.32	4.37	11.11	26.98	17.46	
7.94	21.83					
	96.30	78.57	96.55	94.44	95.65	
95.24	91.67					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Other	0	0	0	0	0	0
0	0					

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Table of marital\_status by RminusL

Frequency											
Row	Pct										
Col	Pct	-3	-2	-1	0	1					
2		3	Total								
-----+-----+-----+-----+-----+-----+-----+-----											
-+-----+											
Married		22	10	20	47	30	13				
	38	180									
		12.22	5.56	11.11	26.11	16.67					
7.22	21.11										
		68.75	62.50	62.50	58.02	62.50					
61.90	60.32										
-----+-----+-----+-----+-----+-----+-----+-----											
-+-----+											
Single		5	4	7	30	16	7				
	17	86									
		5.81	4.65	8.14	34.88	18.60					
8.14	19.77										
		15.63	25.00	21.88	37.04	33.33					
33.33	26.98										
-----+-----+-----+-----+-----+-----+-----+-----											
-+-----+											
Divorced		4	1	5	4	2	1				
	8	25									
		16.00	4.00	20.00	16.00	8.00					
4.00	32.00										
		12.50	6.25	15.63	4.94	4.17					
4.76	12.70										

Widowed	1	0	0	0	0	0
0	1					
	100.00	0.00	0.00	0.00	0.00	
0.00	0.00					
	3.13	0.00	0.00	0.00	0.00	
0.00	0.00					
Other	0	1	0	0	0	0
0	1					
	0.00	100.00	0.00	0.00	0.00	
0.00	0.00					
	0.00	6.25	0.00	0.00	0.00	
0.00	0.00					
Total	32	16	32	81	48	21
63	293					

Frequency Missing = 257

Table of education by RminusL

education(Education) RminusL

Frequency						
Row Pct						
Col Pct	-3	-2	-1	0	1	
2	3	Total				
Some high school	0	0	0	3	0	
0	1	4				
or less	0.00	0.00	0.00	75.00	0.00	
0.00	25.00					
	0.00	0.00	0.00	4.35	0.00	
0.00	1.61					
High school grad	5	5	8	5	7	
2	8	40				



uate or GED	12.50	12.50	20.00	12.50	17.50
5.00   20.00					
	20.83	41.67	26.67	7.25	16.28
11.11   12.90					
-----+-----+-----+-----+-----+-----					
+-----+-----+					
Some college	4	2	7	19	7
4   17   60					
	6.67	3.33	11.67	31.67	11.67
6.67   28.33					
	16.67	16.67	23.33	27.54	16.28
22.22   27.42					
-----+-----+-----+-----+-----+-----					
+-----+-----+					
Graduate or coll	15	5	15	42	29
12   36   154					
ege or postgradu	9.74	3.25	9.74	27.27	18.83
7.79   23.38					
ate degree	62.50	41.67	50.00	60.87	67.44
66.67   58.06					
-----+-----+-----+-----+-----+-----					
+-----+-----+					
Total	24	12	30	69	43
18 62 258					

Frequency Missing = 292

Table of employment by RminusL

employment(Employment status)		RminusL				
Frequency						
Row Pct						
Col Pct	-3	-2	-1	0	1	
2   3   Total						
-----+-----+-----+-----+-----+-----						
---+-----+						
Employed	24	5	15	46	29	12
38   169						
	14.20	2.96	8.88	27.22	17.16	
7.10   22.49						
	85.71	45.45	51.72	65.71	67.44	
75.00   66.67						

[illegible]

Frequency Missing = 296

Table of headache\_dx by RminusL

headache_dx(Principle Headache Diagnosis)		RminusL				
Frequency						
Row Pct						
Col Pct		-3	-2	-1	0	1
2	3	Total				
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Migraine		24	17	33	80	47
22	50	273				
		8.79	6.23	12.09	29.30	17.22
8.06	18.32					
		75.00	100.00	94.29	97.56	97.92
100.00	78.13					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Cluster Headache		5	0	2	2	1
	0	12	22			
		22.73	0.00	9.09	9.09	4.55
0.00	54.55					
		15.63	0.00	5.71	2.44	2.08
0.00	18.75					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Hemicrania conti		3	0	0	0	0
	0	2	5			
nua		60.00	0.00	0.00	0.00	0.00
0.00	40.00					
		9.38	0.00	0.00	0.00	0.00
0.00	3.13					
-----+-----+-----+-----+-----+-----						
+-----+-----+						
Total		32	17	35	82	48
22	64	300				

Frequency Missing = 250

# Table of hand by RminusL

hand(Handedness) RminusL

Frequency									
Row Pct									
Col Pct			-3	-2	-1	0	1		
	2	3	Total						
-----+-----+-----+-----+-----+-----									
+-----+-----+									
Left			7	2	0	9	2	0	
	7	27							
			25.93	7.41	0.00	33.33	7.41		
0.00	25.93								
			25.00	13.33	0.00	11.69	4.88		
0.00	11.86								
-----+-----+-----+-----+-----+-----									
+-----+-----+									
Right			21	13	29	67	39	20	
	52	241							
			8.71	5.39	12.03	27.80	16.18		
8.30	21.58								
			75.00	86.67	100.00	87.01	95.12		
100.00	88.14								
-----+-----+-----+-----+-----+-----									
+-----+-----+									
Right preference			0	0	0	0	0		
	0	0	0						
			.	.	.	.	.	.	
	.								
			0.00	0.00	0.00	0.00	0.00		
0.00	0.00								
-----+-----+-----+-----+-----+-----									
+-----+-----+									
Ambidextrous			0	0	0	1	0		
	0	0	1						
			0.00	0.00	0.00	100.00	0.00		
0.00	0.00								
			0.00	0.00	0.00	1.30	0.00		
0.00	0.00								
-----+-----+-----+-----+-----+-----									
Total			28	15	29	77	41		
20	59	269							

Frequency Missing = 281

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Jonckheere-Terpstra Test for trend p-values for the binary variables with RminusL

|                                   |        |
|-----------------------------------|--------|
| Table sex * RminusL               | 0.0483 |
| Table White * RminusL             | 0.9163 |
| Table ethnicity * RminusL         | 0.3976 |
| Table Married * RminusL           | 0.6294 |
| Table CollegeGrad * RminusL       | 0.4825 |
| Table Employed * RminusL          | 0.9359 |
| Table aura * RminusL              | 0.5733 |
| Table MigraineDx * RminusL        | 0.3394 |
| Table RightHanded * RminusL       | 0.2119 |
| Table Substance * RminusL         | 0.6522 |
| Table Anxiety * RminusL           | 0.3231 |
| Table Depression * RminusL        | 0.4610 |
| Table Bipolar * RminusL           | 0.7127 |
| Table Eating * RminusL            | 0.5542 |
| Table Psychotic * RminusL         | 0.1076 |
| Table PTSD * RminusL              | 0.0058 |
| Table OpioidsPrior * RminusL      | 0.5525 |
| Table BarbituratesPrior * RminusL | 0.3751 |
| Table TriptansPrior * RminusL     | 0.4989 |
| Table OpioidsPost * RminusL       | 0.5615 |
| Table BarbituratesPost * RminusL  | 0.3041 |
| Table TriptansPost * RminusL      | 0.5092 |

Correlation of education and RminusL is 0.06506, p=0.2979, n=258.

The analyses below help to see the direction of the PTSD trend:

Analysis Variable : RminusL Left would be more negative and right would be more positive:

| PTSD    | Obs | Mean    | Std Dev | N | Median |
|---------|-----|---------|---------|---|--------|
| Minimum |     | Maximum |         |   |        |
| -----   |     |         |         |   |        |
| -----   |     |         |         |   |        |

|            |            |            |            |           |     |
|------------|------------|------------|------------|-----------|-----|
|            | 0          | 521        | 0.4683099  | 1.8653572 | 284 |
| 0          | -3.0000000 |            | 3.0000000  |           |     |
|            | 1          | 29         | -0.8750000 | 1.7078251 | 16  |
| -0.5000000 |            | -3.0000000 | 3.0000000  |           |     |

PTSD sufferers differ from nonPTSD individuals whereby sufferers are on the left side on average, and non-sufferers are slightly on the right. Same can be seen in the crosstabulation above ( $p < 0.01$ ). Note that the N with PTSD is only 16.

# MIGRAINE DX only

Table of sex by RminusL

| sex(Sex)  |       | RminusL |       |       |       |       |  |
|-----------|-------|---------|-------|-------|-------|-------|--|
| Frequency |       |         |       |       |       |       |  |
| Row Pct   |       |         |       |       |       |       |  |
| Col Pct   |       | -3      | -2    | -1    | 0     | 1     |  |
|           | 2     | 3       | Total |       |       |       |  |
| Female    | 23    | 15      | 30    | 73    | 43    | 17    |  |
|           | 45    | 246     |       |       |       |       |  |
|           |       | 9.35    | 6.10  | 12.20 | 29.67 | 17.48 |  |
| 6.91      | 18.29 |         |       |       |       |       |  |
|           |       | 95.83   | 88.24 | 90.91 | 91.25 | 91.49 |  |
| 77.27     | 90.00 |         |       |       |       |       |  |

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Frequency Missing = 280

Table of ethnicity by RminusL

| ethnicity(Hispanic or Latino)             |       | RminusL |       |       |       |       |    |
|-------------------------------------------|-------|---------|-------|-------|-------|-------|----|
| Frequency                                 |       |         |       |       |       |       |    |
| Row Pct                                   |       |         |       |       |       |       |    |
| Col Pct                                   |       | -3      | -2    | -1    | 0     | 1     |    |
| 2                                         | 3     | Total   |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |         |       |       |       |       |    |
| -+-----+                                  |       |         |       |       |       |       |    |
| No                                        |       | 18      | 13    | 22    | 64    | 40    | 21 |
|                                           | 42    | 220     |       |       |       |       |    |
|                                           |       | 8.18    | 5.91  | 10.00 | 29.09 | 18.18 |    |
| 9.55                                      | 19.09 |         |       |       |       |       |    |
|                                           |       | 94.74   | 92.86 | 81.48 | 91.43 | 88.89 |    |
| 100.00                                    | 91.30 |         |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |         |       |       |       |       |    |
| -+-----+                                  |       |         |       |       |       |       |    |
| Yes                                       |       | 1       | 1     | 5     | 6     | 5     | 0  |
|                                           | 4     | 22      |       |       |       |       |    |
|                                           |       | 4.55    | 4.55  | 22.73 | 27.27 | 22.73 |    |
| 0.00                                      | 18.18 |         |       |       |       |       |    |
|                                           |       | 5.26    | 7.14  | 18.52 | 8.57  | 11.11 |    |
| 0.00                                      | 8.70  |         |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |         |       |       |       |       |    |
| -+-----+                                  |       |         |       |       |       |       |    |
| Total                                     |       | 19      | 14    | 27    | 70    | 45    | 21 |
|                                           | 46    | 242     |       |       |       |       |    |

Frequency Missing = 281

Table of Married by RminusL

| Married   |   | RminusL |    |    |   |   |  |
|-----------|---|---------|----|----|---|---|--|
| Frequency |   |         |    |    |   |   |  |
| Row Pct   |   |         |    |    |   |   |  |
| Col Pct   |   | -3      | -2 | -1 | 0 | 1 |  |
| 2         | 3 | Total   |    |    |   |   |  |





|                                           |       |       |       |       |       |       |    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|----|
|                                           |       | 7.14  | 3.57  | 10.00 | 28.57 | 20.71 |    |
| 8.57                                      | 21.43 |       |       |       |       |       |    |
|                                           |       | 55.56 | 41.67 | 50.00 | 59.70 | 67.44 |    |
| 66.67                                     | 62.50 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
| Total                                     |       | 18    | 12    | 28    | 67    | 43    | 18 |
|                                           | 48    | 234   |       |       |       |       |    |

Frequency Missing = 289

Table of Employed by RminusL

Employed RminusL

|                                           |       |       |       |       |       |       |      |    |    |  |    |  |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|------|----|----|--|----|--|
| Frequency                                 |       |       |       |       |       |       |      |    |    |  |    |  |
| Row Pct                                   |       |       |       |       |       |       |      |    |    |  |    |  |
| Col Pct                                   |       |       | -3    |       | -2    |       | -1   |    | 0  |  | 1  |  |
|                                           | 2     |       | 3     |       | Total |       |      |    |    |  |    |  |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |      |    |    |  |    |  |
| -+-----+                                  |       |       |       |       |       |       |      |    |    |  |    |  |
|                                           | 0     | 3     | 6     | 13    | 24    | 14    | 4    | 15 |    |  |    |  |
|                                           | 79    |       |       |       |       |       |      |    |    |  |    |  |
|                                           |       | 3.80  | 7.59  | 16.46 | 30.38 | 17.72 | 5.06 |    |    |  |    |  |
|                                           | 18.99 |       |       |       |       |       |      |    |    |  |    |  |
|                                           |       | 15.00 | 54.55 | 48.15 | 35.29 | 33.33 |      |    |    |  |    |  |
|                                           | 25.00 | 33.33 |       |       |       |       |      |    |    |  |    |  |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |      |    |    |  |    |  |
| -+-----+                                  |       |       |       |       |       |       |      |    |    |  |    |  |
|                                           | 1     | 17    | 5     | 14    | 44    | 28    | 12   | 30 |    |  |    |  |
|                                           | 150   |       |       |       |       |       |      |    |    |  |    |  |
|                                           |       | 11.33 | 3.33  | 9.33  | 29.33 | 18.67 |      |    |    |  |    |  |
|                                           | 8.00  | 20.00 |       |       |       |       |      |    |    |  |    |  |
|                                           |       | 85.00 | 45.45 | 51.85 | 64.71 | 66.67 |      |    |    |  |    |  |
|                                           | 75.00 | 66.67 |       |       |       |       |      |    |    |  |    |  |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |      |    |    |  |    |  |
| -+-----+                                  |       |       |       |       |       |       |      |    |    |  |    |  |
| Total                                     | 20    |       | 11    |       | 27    |       | 68   |    | 42 |  | 16 |  |
|                                           | 45    | 229   |       |       |       |       |      |    |    |  |    |  |

Frequency Missing = 294

# Table of aura by RminusL

aura(Is aura present?) RminusL

|                                           |       |       |       |       |       |       |    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|----|
| Frequency                                 |       |       |       |       |       |       |    |
| Row                                       | Pct   |       |       |       |       |       |    |
| Col                                       | Pct   | -3    | -2    | -1    | 0     | 1     |    |
|                                           | 2     | 3     | Total |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
| No                                        |       | 11    | 8     | 17    | 32    | 21    | 8  |
| 23                                        | 120   |       |       |       |       |       |    |
|                                           |       | 9.17  | 6.67  | 14.17 | 26.67 | 17.50 |    |
| 6.67                                      | 19.17 |       |       |       |       |       |    |
|                                           |       | 61.11 | 80.00 | 77.27 | 72.73 | 75.00 |    |
| 53.33                                     | 67.65 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
| Yes                                       |       | 7     | 2     | 5     | 12    | 7     | 7  |
|                                           | 11    | 51    |       |       |       |       |    |
|                                           |       | 13.73 | 3.92  | 9.80  | 23.53 | 13.73 |    |
| 13.73                                     | 21.57 |       |       |       |       |       |    |
|                                           |       | 38.89 | 20.00 | 22.73 | 27.27 | 25.00 |    |
| 46.67                                     | 32.35 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
| Total                                     |       | 18    | 10    | 22    | 44    | 28    | 15 |
|                                           | 34    | 171   |       |       |       |       |    |

Frequency Missing = 352

# Table of lateralized\_headaches by RminusL

lateralized\_headaches(Are headaches lateralized?) RminusL

|                                           |   |       |    |    |   |   |   |
|-------------------------------------------|---|-------|----|----|---|---|---|
| Frequency                                 |   |       |    |    |   |   |   |
| Row Pct                                   |   |       |    |    |   |   |   |
| Col Pct                                   |   | -3    | -2 | -1 | 0 | 1 |   |
| 2                                         | 3 | Total |    |    |   |   |   |
| -----+-----+-----+-----+-----+-----+----- |   |       |    |    |   |   |   |
| -+-----+                                  |   |       |    |    |   |   |   |
| No                                        |   | 0     | 0  | 0  | 0 | 0 | 0 |
|                                           | 0 | 0     |    |    |   |   |   |

|                                           |        |        |        |        |        |      |   |
|-------------------------------------------|--------|--------|--------|--------|--------|------|---|
|                                           | .      | .      | .      | .      | .      | .    | . |
| 0.00                                      | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00 |   |
| -----+-----+-----+-----+-----+-----+----- |        |        |        |        |        |      |   |
| -+-----+                                  |        |        |        |        |        |      |   |
| Yes                                       | 24     | 15     | 26     | 56     | 41     | 19   |   |
| 48                                        | 229    |        |        |        |        |      |   |
|                                           | 10.48  | 6.55   | 11.35  | 24.45  | 17.90  |      |   |
| 8.30                                      | 20.96  |        |        |        |        |      |   |
|                                           | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |      |   |
| 100.00                                    | 100.00 |        |        |        |        |      |   |
| -----+-----+-----+-----+-----+-----+----- |        |        |        |        |        |      |   |
| -+-----+                                  |        |        |        |        |        |      |   |
| Total                                     | 24     | 15     | 26     | 56     | 41     | 19   |   |
| 48                                        | 229    |        |        |        |        |      |   |

Frequency Missing = 294

Table of MigraineDx by RminusL

| MigraineDx                          | RminusL |        |        |        |        |    |
|-------------------------------------|---------|--------|--------|--------|--------|----|
| Frequency                           |         |        |        |        |        |    |
| Row Pct                             |         |        |        |        |        |    |
| Col Pct                             | -3      | -2     | -1     | 0      | 1      |    |
| 2                                   | 3       | Total  |        |        |        |    |
| -----+-----+-----+-----+-----+----- |         |        |        |        |        |    |
| -+-----+                            |         |        |        |        |        |    |
| 1                                   | 24      | 17     | 33     | 80     | 47     | 22 |
| 50                                  | 273     |        |        |        |        |    |
|                                     | 8.79    | 6.23   | 12.09  | 29.30  | 17.22  |    |
| 8.06                                | 18.32   |        |        |        |        |    |
|                                     | 100.00  | 100.00 | 100.00 | 100.00 | 100.00 |    |
| 100.00                              | 100.00  |        |        |        |        |    |
| -----+-----+-----+-----+-----+----- |         |        |        |        |        |    |
| -+-----+                            |         |        |        |        |        |    |
| Total                               | 24      | 17     | 33     | 80     | 47     | 22 |
| 50                                  | 273     |        |        |        |        |    |

Frequency Missing = 250

Table of RightHanded by RminusL

RightHanded      RminusL

| Frequency                                 |       |       |       |        |       |       |  |
|-------------------------------------------|-------|-------|-------|--------|-------|-------|--|
| Row Pct                                   |       |       |       |        |       |       |  |
| Col Pct                                   |       | -3    | -2    | -1     | 0     | 1     |  |
| 2                                         | 3     | Total |       |        |       |       |  |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |        |       |       |  |
| -+-----+                                  |       |       |       |        |       |       |  |
| 0                                         | 7     | 2     | 0     | 10     | 2     | 0     |  |
| 5                                         | 26    |       |       |        |       |       |  |
|                                           |       | 26.92 | 7.69  | 0.00   | 38.46 | 7.69  |  |
| 0.00                                      | 19.23 |       |       |        |       |       |  |
|                                           |       | 30.43 | 13.33 | 0.00   | 13.33 | 4.88  |  |
| 0.00                                      | 10.87 |       |       |        |       |       |  |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |        |       |       |  |
| -+-----+                                  |       |       |       |        |       |       |  |
| 1                                         | 16    | 13    | 27    | 65     | 39    | 20    |  |
| 41                                        | 221   |       |       |        |       |       |  |
|                                           |       | 7.24  | 5.88  | 12.22  | 29.41 | 17.65 |  |
| 9.05                                      | 18.55 |       |       |        |       |       |  |
|                                           |       | 69.57 | 86.67 | 100.00 | 86.67 | 95.12 |  |
| 100.00                                    | 89.13 |       |       |        |       |       |  |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |        |       |       |  |
| -+-----+                                  |       |       |       |        |       |       |  |
| Total                                     | 23    | 15    | 27    | 75     | 41    | 20    |  |
| 46                                        | 247   |       |       |        |       |       |  |

Frequency Missing = 276

Table of Substance by RminusL

Substance      RminusL

| Frequency                                 |     |       |    |    |    |    |  |
|-------------------------------------------|-----|-------|----|----|----|----|--|
| Row Pct                                   |     |       |    |    |    |    |  |
| Col Pct                                   |     | -3    | -2 | -1 | 0  | 1  |  |
| 2                                         | 3   | Total |    |    |    |    |  |
| -----+-----+-----+-----+-----+-----+----- |     |       |    |    |    |    |  |
| -+-----+                                  |     |       |    |    |    |    |  |
| 0                                         | 24  | 16    | 32 | 78 | 47 | 20 |  |
| 50                                        | 267 |       |    |    |    |    |  |

|                                           |        |        |       |       |       |        |      |
|-------------------------------------------|--------|--------|-------|-------|-------|--------|------|
|                                           |        | 8.99   | 5.99  | 11.99 | 29.21 | 17.60  |      |
| 7.49                                      | 18.73  |        |       |       |       |        |      |
|                                           |        | 100.00 | 94.12 | 96.97 | 97.50 | 100.00 |      |
| 90.91                                     | 100.00 |        |       |       |       |        |      |
| -----+-----+-----+-----+-----+-----+----- |        |        |       |       |       |        |      |
| -+-----+                                  |        |        |       |       |       |        |      |
|                                           | 1      | 0      | 1     | 1     | 2     | 0      | 2    |
| 0                                         | 6      |        |       |       |       |        |      |
|                                           |        | 0.00   | 16.67 | 16.67 | 33.33 | 0.00   |      |
| 33.33                                     | 0.00   |        |       |       |       |        |      |
|                                           |        | 0.00   | 5.88  | 3.03  | 2.50  | 0.00   | 9.09 |
|                                           | 0.00   |        |       |       |       |        |      |
| -----+-----+-----+-----+-----+-----+----- |        |        |       |       |       |        |      |
| -+-----+                                  |        |        |       |       |       |        |      |
| Total                                     |        | 24     | 17    | 33    | 80    | 47     | 22   |
|                                           | 50     | 273    |       |       |       |        |      |

Frequency Missing = 250

Table of Anxiety by RminusL

Anxiety RminusL

|                                           |       |       |       |       |       |       |    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|----|
| Frequency                                 |       |       |       |       |       |       |    |
| Row Pct                                   |       |       |       |       |       |       |    |
| Col Pct                                   |       | -3    | -2    | -1    | 0     | 1     |    |
|                                           | 2     | 3     | Total |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
|                                           | 0     | 15    | 11    | 20    | 57    | 32    | 15 |
|                                           | 186   |       |       |       |       |       | 36 |
|                                           |       | 8.06  | 5.91  | 10.75 | 30.65 | 17.20 |    |
| 8.06                                      | 19.35 |       |       |       |       |       |    |
|                                           |       | 62.50 | 64.71 | 60.61 | 71.25 | 68.09 |    |
| 68.18                                     | 72.00 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
|                                           | 1     | 9     | 6     | 13    | 23    | 15    | 7  |
|                                           | 87    |       |       |       |       |       | 14 |
|                                           |       | 10.34 | 6.90  | 14.94 | 26.44 | 17.24 |    |
| 8.05                                      | 16.09 |       |       |       |       |       |    |
|                                           |       | 37.50 | 35.29 | 39.39 | 28.75 | 31.91 |    |
| 31.82                                     | 28.00 |       |       |       |       |       |    |

|       |     |    |    |    |    |    |  |
|-------|-----|----|----|----|----|----|--|
|       |     |    |    |    |    |    |  |
| Total | 24  | 17 | 33 | 80 | 47 | 22 |  |
| 50    | 273 |    |    |    |    |    |  |

Frequency Missing = 250

Table of Depression by RminusL

| Depression | RminusL |       |       |       |       |    |    |
|------------|---------|-------|-------|-------|-------|----|----|
| Frequency  |         |       |       |       |       |    |    |
| Row Pct    |         |       |       |       |       |    |    |
| Col Pct    | -3      | -2    | -1    | 0     | 1     |    |    |
| 2          | 3       | Total |       |       |       |    |    |
|            |         |       |       |       |       |    |    |
| 0          | 19      | 10    | 19    | 53    | 32    | 11 |    |
| 39         | 183     |       |       |       |       |    |    |
|            | 10.38   | 5.46  | 10.38 | 28.96 | 17.49 |    |    |
| 6.01       | 21.31   |       |       |       |       |    |    |
|            | 79.17   | 58.82 | 57.58 | 66.25 | 68.09 |    |    |
| 50.00      | 78.00   |       |       |       |       |    |    |
|            |         |       |       |       |       |    |    |
| 1          | 5       | 7     | 14    | 27    | 15    | 11 | 11 |
|            | 90      |       |       |       |       |    |    |
|            | 5.56    | 7.78  | 15.56 | 30.00 | 16.67 |    |    |
| 12.22      | 12.22   |       |       |       |       |    |    |
|            | 20.83   | 41.18 | 42.42 | 33.75 | 31.91 |    |    |
| 50.00      | 22.00   |       |       |       |       |    |    |
|            |         |       |       |       |       |    |    |
| Total      | 24      | 17    | 33    | 80    | 47    | 22 |    |
| 50         | 273     |       |       |       |       |    |    |

Frequency Missing = 250

Table of Bipolar by RminusL

Bipolar RminusL

| Frequency                                                   |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Row Pct                                                     |  |  |  |  |  |  |  |  |  |
| Col Pct                                                     |  |  |  |  |  |  |  |  |  |
| 2  3  Total                                                 |  |  |  |  |  |  |  |  |  |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |  |  |  |  |  |  |  |  |  |
| -+-----+-----                                               |  |  |  |  |  |  |  |  |  |
| 0   23   15   32   76   46   20                             |  |  |  |  |  |  |  |  |  |
| 48   260                                                    |  |  |  |  |  |  |  |  |  |
| 8.85   5.77   12.31   29.23   17.69                         |  |  |  |  |  |  |  |  |  |
| 7.69   18.46                                                |  |  |  |  |  |  |  |  |  |
| 95.83   88.24   96.97   95.00   97.87                       |  |  |  |  |  |  |  |  |  |
| 90.91   96.00                                               |  |  |  |  |  |  |  |  |  |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |  |  |  |  |  |  |  |  |  |
| -+-----+-----                                               |  |  |  |  |  |  |  |  |  |
| 1   1   2   1   4   1   2                                   |  |  |  |  |  |  |  |  |  |
| 2   13                                                      |  |  |  |  |  |  |  |  |  |
| 7.69   15.38   7.69   30.77   7.69                          |  |  |  |  |  |  |  |  |  |
| 15.38   15.38                                               |  |  |  |  |  |  |  |  |  |
| 4.17   11.76   3.03   5.00   2.13                           |  |  |  |  |  |  |  |  |  |
| 9.09   4.00                                                 |  |  |  |  |  |  |  |  |  |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |  |  |  |  |  |  |  |  |  |
| -+-----+-----                                               |  |  |  |  |  |  |  |  |  |
| Total 24 17 33 80 47 22                                     |  |  |  |  |  |  |  |  |  |
| 50 273                                                      |  |  |  |  |  |  |  |  |  |

Frequency Missing = 250

Table of Cognitive by RminusL

| Cognitive                                                   |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| RminusL                                                     |  |  |  |  |  |  |  |  |  |
| Frequency                                                   |  |  |  |  |  |  |  |  |  |
| Row Pct                                                     |  |  |  |  |  |  |  |  |  |
| Col Pct                                                     |  |  |  |  |  |  |  |  |  |
| 2  3  Total                                                 |  |  |  |  |  |  |  |  |  |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |  |  |  |  |  |  |  |  |  |
| -+-----+-----                                               |  |  |  |  |  |  |  |  |  |
| 0   24   17   33   80   47   22   50                        |  |  |  |  |  |  |  |  |  |
| 273                                                         |  |  |  |  |  |  |  |  |  |
| 8.79   6.23   12.09   29.30   17.22                         |  |  |  |  |  |  |  |  |  |
| 8.06   18.32                                                |  |  |  |  |  |  |  |  |  |
| 100.00   100.00   100.00   100.00   100.00                  |  |  |  |  |  |  |  |  |  |
| 100.00   100.00                                             |  |  |  |  |  |  |  |  |  |



|       |      |      |      |      |      |      |      |   |   |
|-------|------|------|------|------|------|------|------|---|---|
|       |      |      |      |      |      |      |      |   |   |
|       |      |      |      |      |      |      |      |   |   |
| 1     | 0    | 0    | 0    | 0    | 0    | 0    | 0    |   |   |
| 0     | 0    | .    | .    | .    | .    | .    | .    | . | . |
|       | .    |      |      |      |      |      |      |   |   |
|       |      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |   |   |
| 0.00  | 0.00 |      |      |      |      |      |      |   |   |
|       |      |      |      |      |      |      |      |   |   |
|       |      |      |      |      |      |      |      |   |   |
| Total | 24   | 17   | 33   | 80   | 47   | 22   |      |   |   |
| 50    | 273  |      |      |      |      |      |      |   |   |

Frequency Missing = 250

Table of Eating by RminusL

Eating RminusL

| Frequency                                 |        |        |        |        |        |        |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|
| Row                                       | Pct    |        |        |        |        |        |
| Col                                       | Pct    | -3     | -2     | -1     | 0      | 1      |
|                                           | 2      | 3      | Total  |        |        |        |
| -----+-----+-----+-----+-----+-----+----- |        |        |        |        |        |        |
| -+-----+-----                             |        |        |        |        |        |        |
|                                           | 0      | 24     | 17     | 33     | 76     | 47     |
| 50                                        | 269    |        |        |        |        | 22     |
|                                           |        | 8.92   | 6.32   | 12.27  | 28.25  | 17.47  |
| 8.18                                      | 18.59  |        |        |        |        |        |
|                                           |        | 100.00 | 100.00 | 100.00 | 95.00  | 100.00 |
| 100.00                                    | 100.00 |        |        |        |        |        |
| -----+-----+-----+-----+-----+-----+----- |        |        |        |        |        |        |
| -+-----+-----                             |        |        |        |        |        |        |
|                                           | 1      | 0      | 0      | 0      | 4      | 0      |
| 0                                         | 4      |        |        |        |        | 0      |
|                                           |        | 0.00   | 0.00   | 0.00   | 100.00 | 0.00   |
| 0.00                                      | 0.00   |        |        |        |        |        |
|                                           |        | 0.00   | 0.00   | 0.00   | 5.00   | 0.00   |
| 0.00                                      | 0.00   |        |        |        |        |        |
| -----+-----+-----+-----+-----+-----+----- |        |        |        |        |        |        |
| -+-----+-----                             |        |        |        |        |        |        |
| Total                                     |        | 24     | 17     | 33     | 80     | 47     |
|                                           |        |        |        |        |        | 22     |
| 50                                        | 273    |        |        |        |        |        |

Frequency Missing = 250

Table of Psychotic by RminusL

| Psychotic                                 |        | RminusL |        |        |        |        |  |
|-------------------------------------------|--------|---------|--------|--------|--------|--------|--|
| Frequency                                 |        |         |        |        |        |        |  |
| Row Pct                                   |        |         |        |        |        |        |  |
| Col Pct                                   |        | -3      | -2     | -1     | 0      | 1      |  |
| 2                                         | 3      | Total   |        |        |        |        |  |
| -----+-----+-----+-----+-----+-----+----- |        |         |        |        |        |        |  |
| -+-----+                                  |        |         |        |        |        |        |  |
| 0                                         | 24     | 17      | 33     | 80     | 47     | 21     |  |
| 49                                        | 271    |         |        |        |        |        |  |
|                                           | 8.86   | 6.27    | 12.18  | 29.52  | 17.34  |        |  |
| 7.75                                      | 18.08  |         |        |        |        |        |  |
|                                           | 100.00 | 100.00  | 100.00 | 100.00 | 100.00 | 100.00 |  |
| 95.45                                     | 98.00  |         |        |        |        |        |  |
| -----+-----+-----+-----+-----+-----+----- |        |         |        |        |        |        |  |
| -+-----+                                  |        |         |        |        |        |        |  |
| 1                                         | 0      | 0       | 0      | 0      | 0      | 1      |  |
| 1                                         | 2      |         |        |        |        |        |  |
|                                           | 0.00   | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |  |
| 50.00                                     | 50.00  |         |        |        |        |        |  |
|                                           | 0.00   | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |  |
| 4.55                                      | 2.00   |         |        |        |        |        |  |
| -----+-----+-----+-----+-----+-----+----- |        |         |        |        |        |        |  |
| -+-----+                                  |        |         |        |        |        |        |  |
| Total                                     | 24     | 17      | 33     | 80     | 47     | 22     |  |
| 50                                        | 273    |         |        |        |        |        |  |

Frequency Missing = 250

Table of PTSD by RminusL

| PTSD      |   | RminusL |    |    |   |   |  |
|-----------|---|---------|----|----|---|---|--|
| Frequency |   |         |    |    |   |   |  |
| Row Pct   |   |         |    |    |   |   |  |
| Col Pct   |   | -3      | -2 | -1 | 0 | 1 |  |
| 2         | 3 | Total   |    |    |   |   |  |



|                                           |       |       |       |       |       |       |    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|----|
|                                           |       | 14.29 | 7.14  | 17.86 | 19.64 | 14.29 |    |
| 7.14                                      | 19.64 |       |       |       |       |       |    |
|                                           |       | 33.33 | 23.53 | 30.30 | 13.75 | 17.02 |    |
| 18.18                                     | 22.00 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
| Total                                     |       | 24    | 17    | 33    | 80    | 47    | 22 |
|                                           | 50    | 273   |       |       |       |       |    |

Frequency Missing = 250

Table of BarbituratesPrior by RminusL

BarbituratesPrior RminusL

|                                           |       |       |       |       |       |    |    |
|-------------------------------------------|-------|-------|-------|-------|-------|----|----|
| Frequency                                 |       |       |       |       |       |    |    |
| Row Pct                                   |       |       |       |       |       |    |    |
| Col Pct                                   |       | -3    | -2    | -1    | 0     | 1  | 2  |
| 3  Total                                  |       |       |       |       |       |    |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |    |    |
| -+-----+                                  |       |       |       |       |       |    |    |
| 0                                         | 13    | 15    | 23    | 64    | 33    | 15 |    |
| 40   203                                  |       |       |       |       |       |    |    |
|                                           | 6.40  | 7.39  | 11.33 | 31.53 | 16.26 |    |    |
| 7.39   19.70                              |       |       |       |       |       |    |    |
|                                           | 54.17 | 88.24 | 69.70 | 80.00 | 70.21 |    |    |
| 68.18   80.00                             |       |       |       |       |       |    |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |    |    |
| -+-----+                                  |       |       |       |       |       |    |    |
| 1                                         | 11    | 2     | 10    | 16    | 14    | 7  | 10 |
| 70                                        |       |       |       |       |       |    |    |
|                                           | 15.71 | 2.86  | 14.29 | 22.86 | 20.00 |    |    |
| 10.00   14.29                             |       |       |       |       |       |    |    |
|                                           | 45.83 | 11.76 | 30.30 | 20.00 | 29.79 |    |    |
| 31.82   20.00                             |       |       |       |       |       |    |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |    |    |
| -+-----+                                  |       |       |       |       |       |    |    |
| Total                                     | 24    | 17    | 33    | 80    | 47    | 22 |    |
| 50 273                                    |       |       |       |       |       |    |    |

Frequency Missing = 250

Table of TriptansPrior by RminusL

TriptansPrior RminusL

| Frequency                                 |       |       |       |       |       |    |    |
|-------------------------------------------|-------|-------|-------|-------|-------|----|----|
| Row Pct                                   |       |       |       |       |       |    |    |
| Col Pct                                   | -3    | -2    | -1    | 0     | 1     |    |    |
| 2                                         | 3     | Total |       |       |       |    |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |    |    |
| -+-----+                                  |       |       |       |       |       |    |    |
| 0                                         | 9     | 11    | 19    | 50    | 22    | 11 |    |
| 22                                        | 144   |       |       |       |       |    |    |
|                                           | 6.25  | 7.64  | 13.19 | 34.72 | 15.28 |    |    |
| 7.64                                      | 15.28 |       |       |       |       |    |    |
|                                           | 37.50 | 64.71 | 57.58 | 62.50 | 46.81 |    |    |
| 50.00                                     | 44.00 |       |       |       |       |    |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |    |    |
| -+-----+                                  |       |       |       |       |       |    |    |
| 1                                         | 15    | 6     | 14    | 30    | 25    | 11 | 28 |
|                                           | 129   |       |       |       |       |    |    |
|                                           | 11.63 | 4.65  | 10.85 | 23.26 | 19.38 |    |    |
| 8.53                                      | 21.71 |       |       |       |       |    |    |
|                                           | 62.50 | 35.29 | 42.42 | 37.50 | 53.19 |    |    |
| 50.00                                     | 56.00 |       |       |       |       |    |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |    |    |
| -+-----+                                  |       |       |       |       |       |    |    |
| Total                                     | 24    | 17    | 33    | 80    | 47    | 22 |    |
| 50                                        | 273   |       |       |       |       |    |    |

Frequency Missing = 250

Table of OpioidsPost by RminusL

OpioidsPost RminusL

| Frequency                                 |     |       |    |    |    |    |  |
|-------------------------------------------|-----|-------|----|----|----|----|--|
| Row Pct                                   |     |       |    |    |    |    |  |
| Col Pct                                   | -3  | -2    | -1 | 0  | 1  |    |  |
| 2                                         | 3   | Total |    |    |    |    |  |
| -----+-----+-----+-----+-----+-----+----- |     |       |    |    |    |    |  |
| -+-----+                                  |     |       |    |    |    |    |  |
| 0                                         | 20  | 14    | 23 | 66 | 39 | 17 |  |
| 43                                        | 222 |       |    |    |    |    |  |

|                                           |       |       |       |       |       |       |    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|----|
|                                           |       | 9.01  | 6.31  | 10.36 | 29.73 | 17.57 |    |
| 7.66                                      | 19.37 |       |       |       |       |       |    |
|                                           |       | 83.33 | 82.35 | 69.70 | 82.50 | 82.98 |    |
| 77.27                                     | 86.00 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
|                                           | 1     | 4     | 3     | 10    | 14    | 8     | 5  |
| 7                                         | 51    |       |       |       |       |       |    |
|                                           |       | 7.84  | 5.88  | 19.61 | 27.45 | 15.69 |    |
| 9.80                                      | 13.73 |       |       |       |       |       |    |
|                                           |       | 16.67 | 17.65 | 30.30 | 17.50 | 17.02 |    |
| 22.73                                     | 14.00 |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| -+-----+                                  |       |       |       |       |       |       |    |
| Total                                     |       | 24    | 17    | 33    | 80    | 47    | 22 |
|                                           | 50    | 273   |       |       |       |       |    |

Frequency Missing = 250

Table of BarbituratesPost by RminusL

| BarbituratesPost                          |       | RminusL |       |       |       |       |    |
|-------------------------------------------|-------|---------|-------|-------|-------|-------|----|
| Frequency                                 |       |         |       |       |       |       |    |
| Row Pct                                   |       |         |       |       |       |       |    |
| Col Pct                                   |       | -3      | -2    | -1    | 0     | 1     |    |
|                                           | 2     | 3       | Total |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |         |       |       |       |       |    |
| -+-----+                                  |       |         |       |       |       |       |    |
|                                           | 0     | 19      | 15    | 24    | 64    | 33    | 14 |
| 36                                        | 205   |         |       |       |       |       |    |
|                                           |       | 9.27    | 7.32  | 11.71 | 31.22 | 16.10 |    |
| 6.83                                      | 17.56 |         |       |       |       |       |    |
|                                           |       | 79.17   | 88.24 | 72.73 | 80.00 | 70.21 |    |
| 63.64                                     | 72.00 |         |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |         |       |       |       |       |    |
| -+-----+                                  |       |         |       |       |       |       |    |
|                                           | 1     | 5       | 2     | 9     | 16    | 14    | 8  |
| 14                                        | 68    |         |       |       |       |       |    |
|                                           |       | 7.35    | 2.94  | 13.24 | 23.53 | 20.59 |    |
| 11.76                                     | 20.59 |         |       |       |       |       |    |
|                                           |       | 20.83   | 11.76 | 27.27 | 20.00 | 29.79 |    |
| 36.36                                     | 28.00 |         |       |       |       |       |    |

|       |     |    |    |    |    |    |  |
|-------|-----|----|----|----|----|----|--|
|       |     |    |    |    |    |    |  |
| Total | 24  | 17 | 33 | 80 | 47 | 22 |  |
| 50    | 273 |    |    |    |    |    |  |

Frequency Missing = 250

Table of TriptansPost by RminusL

TriptansPost RminusL

|           |       |       |       |       |       |    |    |
|-----------|-------|-------|-------|-------|-------|----|----|
| Frequency |       |       |       |       |       |    |    |
| Row Pct   |       |       |       |       |       |    |    |
| Col Pct   |       | -3    | -2    | -1    | 0     | 1  |    |
| 2         | 3     | Total |       |       |       |    |    |
| 0         | 4     | 5     | 13    | 23    | 14    | 9  | 10 |
| 78        |       |       |       |       |       |    |    |
|           | 5.13  | 6.41  | 16.67 | 29.49 | 17.95 |    |    |
| 11.54     | 12.82 |       |       |       |       |    |    |
|           | 16.67 | 29.41 | 39.39 | 28.75 | 29.79 |    |    |
| 40.91     | 20.00 |       |       |       |       |    |    |
| 1         | 20    | 12    | 20    | 57    | 33    | 13 |    |
| 40        | 195   |       |       |       |       |    |    |
|           | 10.26 | 6.15  | 10.26 | 29.23 | 16.92 |    |    |
| 6.67      | 20.51 |       |       |       |       |    |    |
|           | 83.33 | 70.59 | 60.61 | 71.25 | 70.21 |    |    |
| 59.09     | 80.00 |       |       |       |       |    |    |
| Total     | 24    | 17    | 33    | 80    | 47    | 22 |    |
| 50        | 273   |       |       |       |       |    |    |

Frequency Missing = 250

Table of race by RminusL

race(Race) RminusL

|                                     |       |       |        |       |       |       |    |
|-------------------------------------|-------|-------|--------|-------|-------|-------|----|
| Frequency                           |       |       |        |       |       |       |    |
| Row Pct                             |       |       |        |       |       |       |    |
| Col Pct                             |       | -3    | -2     | -1    | 0     | 1     |    |
|                                     | 2     | 3     | Total  |       |       |       |    |
| -----+-----+-----+-----+-----+----- |       |       |        |       |       |       |    |
| +-----+-----+                       |       |       |        |       |       |       |    |
| American Indian                     |       | 0     | 1      | 0     | 0     | 0     |    |
|                                     | 0     | 0     | 1      |       |       |       |    |
| or Alaska Native                    |       | 0.00  | 100.00 | 0.00  | 0.00  | 0.00  |    |
|                                     | 0.00  | 0.00  |        |       |       |       |    |
|                                     |       | 0.00  | 7.14   | 0.00  | 0.00  | 0.00  |    |
| 0.00                                | 0.00  |       |        |       |       |       |    |
| -----+-----+-----+-----+-----+----- |       |       |        |       |       |       |    |
| +-----+-----+                       |       |       |        |       |       |       |    |
| Asian                               |       | 0     | 0      | 1     | 2     | 0     | 0  |
|                                     | 0     | 3     |        |       |       |       |    |
|                                     |       | 0.00  | 0.00   | 33.33 | 66.67 | 0.00  |    |
| 0.00                                | 0.00  |       |        |       |       |       |    |
|                                     |       | 0.00  | 0.00   | 3.70  | 2.86  | 0.00  |    |
| 0.00                                | 0.00  |       |        |       |       |       |    |
| -----+-----+-----+-----+-----+----- |       |       |        |       |       |       |    |
| +-----+-----+                       |       |       |        |       |       |       |    |
| Black or African                    |       | 1     | 2      | 0     | 2     | 2     |    |
|                                     | 1     | 2     | 10     |       |       |       |    |
| /American                           |       | 10.00 | 20.00  | 0.00  | 20.00 | 20.00 |    |
| 10.00                               | 20.00 |       |        |       |       |       |    |
|                                     |       | 5.00  | 14.29  | 0.00  | 2.86  | 4.44  |    |
| 4.76                                | 4.35  |       |        |       |       |       |    |
| -----+-----+-----+-----+-----+----- |       |       |        |       |       |       |    |
| +-----+-----+                       |       |       |        |       |       |       |    |
| White                               |       | 19    | 11     | 26    | 66    | 43    | 20 |
|                                     | 44    | 229   |        |       |       |       |    |
|                                     |       | 8.30  | 4.80   | 11.35 | 28.82 | 18.78 |    |
| 8.73                                | 19.21 |       |        |       |       |       |    |
|                                     |       | 95.00 | 78.57  | 96.30 | 94.29 | 95.56 |    |
| 95.24                               | 95.65 |       |        |       |       |       |    |
| -----+-----+-----+-----+-----+----- |       |       |        |       |       |       |    |
| +-----+-----+                       |       |       |        |       |       |       |    |
| Other                               |       | 0     | 0      | 0     | 0     | 0     | 0  |
|                                     | 0     | 0     |        |       |       |       |    |
|                                     |       | .     | .      | .     | .     | .     | .  |
|                                     | .     |       |        |       |       |       |    |
|                                     |       | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  |    |
| 0.00                                | 0.00  |       |        |       |       |       |    |



```

-----+-----+-----+-----+-----+-----
+-----+-----+
Total      20      14      27      70      45
21      46      243

```

Frequency Missing = 280

Table of marital\_status by RminusL

marital\_status(Marital Status)      RminusL

```

Frequency|
Row Pct  |
Col Pct  |      -3|      -2|      -1|      0|      1|
      2|      3|  Total
-----+-----+-----+-----+-----+-----
-+-----+
Married  |      17|      10|      19|      46|      29|      13
|      31|      165
|      10.30|      6.06|      11.52|      27.88|      17.58|
7.88|      18.79|
|      70.83|      62.50|      63.33|      58.23|      61.70|
61.90|      63.27|
-----+-----+-----+-----+-----+-----
-+-----+
Single   |      5|      4|      6|      30|      16|      7
|      11|      79
|      6.33|      5.06|      7.59|      37.97|      20.25|
8.86|      13.92|
|      20.83|      25.00|      20.00|      37.97|      34.04|
33.33|      22.45|
-----+-----+-----+-----+-----+-----
-+-----+
Divorced |      2|      1|      5|      3|      2|      1|
      7|      21
|      9.52|      4.76|      23.81|      14.29|      9.52|
4.76|      33.33|
|      8.33|      6.25|      16.67|      3.80|      4.26|
4.76|      14.29|
-----+-----+-----+-----+-----+-----
-+-----+
Widowed  |      0|      0|      0|      0|      0|      0
|      0|      0

```

|                                                             |      |        |      |      |      |      |      |      |      |
|-------------------------------------------------------------|------|--------|------|------|------|------|------|------|------|
|                                                             | .    |        | .    |      | .    |      | .    |      | .    |
| 0.00                                                        | 0.00 | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |      |        |      |      |      |      |      |      |      |
| Other                                                       | 0    | 1      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 0                                                           | 1    |        |      |      |      |      |      |      |      |
| 0.00                                                        | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00                                                        | 0.00 | 0.00   | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |      |        |      |      |      |      |      |      |      |
| Total                                                       | 24   | 16     | 30   | 79   | 47   | 21   |      |      |      |
| 49                                                          | 266  |        |      |      |      |      |      |      |      |

Frequency Missing = 257

Table of education by RminusL

|                                                             |       |         |       |       |        |      |  |  |  |
|-------------------------------------------------------------|-------|---------|-------|-------|--------|------|--|--|--|
| education(Education)                                        |       | RminusL |       |       |        |      |  |  |  |
| Frequency                                                   |       |         |       |       |        |      |  |  |  |
| Row Pct                                                     |       |         |       |       |        |      |  |  |  |
| Col Pct                                                     |       | -3      | -2    | -1    | 0      | 1    |  |  |  |
| 2                                                           | 3     | Total   |       |       |        |      |  |  |  |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |       |         |       |       |        |      |  |  |  |
| Some high school                                            | 0     | 0       | 0     | 0     | 3      | 0    |  |  |  |
| 0                                                           | 0     | 3       |       |       |        |      |  |  |  |
| or less                                                     | 0.00  | 0.00    | 0.00  | 0.00  | 100.00 | 0.00 |  |  |  |
| 0.00                                                        | 0.00  | 0.00    | 0.00  | 0.00  | 4.48   | 0.00 |  |  |  |
| 0.00                                                        | 0.00  |         |       |       |        |      |  |  |  |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |       |         |       |       |        |      |  |  |  |
| High school grad                                            | 4     | 5       | 8     | 5     | 7      |      |  |  |  |
| 2                                                           | 7     | 38      |       |       |        |      |  |  |  |
| uate or GED                                                 | 10.53 | 13.16   | 21.05 | 13.16 | 18.42  |      |  |  |  |
| 5.26                                                        | 18.42 |         |       |       |        |      |  |  |  |
|                                                             | 22.22 | 41.67   | 28.57 | 7.46  | 16.28  |      |  |  |  |
| 11.11                                                       | 14.58 |         |       |       |        |      |  |  |  |



|                                           |       |       |       |       |       |       |    |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|----|
|                                           |       | 0.00  | 5.56  | 22.22 | 33.33 | 16.67 |    |
| 5.56                                      | 16.67 |       |       |       |       |       |    |
|                                           |       | 0.00  | 9.09  | 14.81 | 8.82  | 7.14  |    |
| 6.25                                      | 6.67  |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| ----+-----+-----                          |       |       |       |       |       |       |    |
| Disabled                                  |       | 1     | 1     | 4     | 3     | 2     | 1  |
|                                           | 2     | 14    |       |       |       |       |    |
|                                           |       | 7.14  | 7.14  | 28.57 | 21.43 | 14.29 |    |
| 7.14                                      | 14.29 |       |       |       |       |       |    |
|                                           |       | 5.00  | 9.09  | 14.81 | 4.41  | 4.76  |    |
| 6.25                                      | 4.44  |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| ----+-----+-----                          |       |       |       |       |       |       |    |
| Student                                   |       | 0     | 1     | 1     | 5     | 3     | 1  |
|                                           | 4     | 15    |       |       |       |       |    |
|                                           |       | 0.00  | 6.67  | 6.67  | 33.33 | 20.00 |    |
| 6.67                                      | 26.67 |       |       |       |       |       |    |
|                                           |       | 0.00  | 9.09  | 3.70  | 7.35  | 7.14  |    |
| 6.25                                      | 8.89  |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| ----+-----+-----                          |       |       |       |       |       |       |    |
| Homemaker                                 |       | 2     | 1     | 2     | 7     | 3     | 1  |
|                                           | 4     | 20    |       |       |       |       |    |
|                                           |       | 10.00 | 5.00  | 10.00 | 35.00 | 15.00 |    |
| 5.00                                      | 20.00 |       |       |       |       |       |    |
|                                           |       | 10.00 | 9.09  | 7.41  | 10.29 | 7.14  |    |
| 6.25                                      | 8.89  |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| ----+-----+-----                          |       |       |       |       |       |       |    |
| Retired                                   |       | 0     | 2     | 2     | 3     | 3     | 0  |
|                                           | 2     | 12    |       |       |       |       |    |
|                                           |       | 0.00  | 16.67 | 16.67 | 25.00 | 25.00 |    |
| 0.00                                      | 16.67 |       |       |       |       |       |    |
|                                           |       | 0.00  | 18.18 | 7.41  | 4.41  | 7.14  |    |
| 0.00                                      | 4.44  |       |       |       |       |       |    |
| -----+-----+-----+-----+-----+-----+----- |       |       |       |       |       |       |    |
| ----+-----+-----                          |       |       |       |       |       |       |    |
| Total                                     |       | 20    | 11    | 27    | 68    | 42    | 16 |
| 45                                        | 229   |       |       |       |       |       |    |

Frequency Missing = 294

Table of headache\_dx by RminusL

headache\_dx(Principle Headache Diagnosis)

RminusL

| Frequency                           |        |        |        |        |        |        |
|-------------------------------------|--------|--------|--------|--------|--------|--------|
| Row Pct                             |        |        |        |        |        |        |
| Col Pct                             |        | -3     | -2     | -1     | 0      | 1      |
| 2                                   | 3      | Total  |        |        |        |        |
| -----+-----+-----+-----+-----+----- |        |        |        |        |        |        |
| +-----+-----+                       |        |        |        |        |        |        |
| Migraine                            |        | 24     | 17     | 33     | 80     | 47     |
| 22                                  | 50     | 273    |        |        |        |        |
|                                     |        | 8.79   | 6.23   | 12.09  | 29.30  | 17.22  |
| 8.06                                | 18.32  |        |        |        |        |        |
|                                     |        | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 100.00                              | 100.00 |        |        |        |        |        |
| -----+-----+-----+-----+-----+----- |        |        |        |        |        |        |
| +-----+-----+                       |        |        |        |        |        |        |
| Total                               |        | 24     | 17     | 33     | 80     | 47     |
| 22                                  | 50     | 273    |        |        |        |        |

Frequency Missing = 250

Table of hand by RminusL

hand(Handedness)

RminusL

| Frequency                           |       |       |       |      |       |      |
|-------------------------------------|-------|-------|-------|------|-------|------|
| Row Pct                             |       |       |       |      |       |      |
| Col Pct                             |       | -3    | -2    | -1   | 0     | 1    |
| 2                                   | 3     | Total |       |      |       |      |
| -----+-----+-----+-----+-----+----- |       |       |       |      |       |      |
| +-----+-----+                       |       |       |       |      |       |      |
| Left                                |       | 7     | 2     | 0    | 9     | 2    |
| 0                                   | 5     | 25    |       |      |       |      |
|                                     |       | 28.00 | 8.00  | 0.00 | 36.00 | 8.00 |
| 0.00                                | 20.00 |       |       |      |       |      |
|                                     |       | 30.43 | 13.33 | 0.00 | 12.00 | 4.88 |
| 0.00                                | 10.87 |       |       |      |       |      |
| -----+-----+-----+-----+-----+----- |       |       |       |      |       |      |
| +-----+-----+                       |       |       |       |      |       |      |
| Right                               |       | 16    | 13    | 27   | 65    | 39   |
| 41                                  | 221   |       |       |      |       | 20   |

|                                     |       |     |       |       |        |        |       |  |
|-------------------------------------|-------|-----|-------|-------|--------|--------|-------|--|
|                                     |       |     | 7.24  | 5.88  | 12.22  | 29.41  | 17.65 |  |
| 9.05                                | 18.55 |     |       |       |        |        |       |  |
|                                     |       |     | 69.57 | 86.67 | 100.00 | 86.67  | 95.12 |  |
| 100.00                              | 89.13 |     |       |       |        |        |       |  |
| -----+-----+-----+-----+-----+----- |       |     |       |       |        |        |       |  |
| +-----+-----+                       |       |     |       |       |        |        |       |  |
| Right preference                    |       |     | 0     |       | 0      |        | 0     |  |
|                                     | 0     | 0   | 0     |       |        |        |       |  |
|                                     |       |     | .     |       | .      |        | .     |  |
|                                     | .     |     |       |       |        |        |       |  |
|                                     |       |     | 0.00  | 0.00  | 0.00   | 0.00   | 0.00  |  |
| 0.00                                | 0.00  |     |       |       |        |        |       |  |
| -----+-----+-----+-----+-----+----- |       |     |       |       |        |        |       |  |
| +-----+-----+                       |       |     |       |       |        |        |       |  |
| Ambidextrous                        |       |     | 0     |       | 0      |        | 1     |  |
| 0                                   | 0     |     | 1     |       |        |        |       |  |
|                                     |       |     | 0.00  | 0.00  | 0.00   | 100.00 | 0.00  |  |
| 0.00                                | 0.00  |     |       |       |        |        |       |  |
|                                     |       |     | 0.00  | 0.00  | 0.00   | 1.33   | 0.00  |  |
| 0.00                                | 0.00  |     |       |       |        |        |       |  |
| -----+-----+-----+-----+-----+----- |       |     |       |       |        |        |       |  |
| +-----+-----+                       |       |     |       |       |        |        |       |  |
| Total                               |       |     | 23    | 15    | 27     | 75     | 41    |  |
| 20                                  | 46    | 247 |       |       |        |        |       |  |

Frequency Missing = 276

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#### Jonckheere-Terpstra Test for trend p-values

|                             |        |
|-----------------------------|--------|
| Table sex * RminusL         | 0.3297 |
| Table White * RminusL       | 0.3275 |
| Table ethnicity * RminusL   | 0.5453 |
| Table Married * RminusL     | 0.7814 |
| Table CollegeGrad * RminusL | 0.1174 |
| Table Employed * RminusL    | 0.6424 |
| Table aura * RminusL        | 0.5733 |
| Table RightHanded * RminusL | 0.0736 |
| Table Substance * RminusL   | 0.6812 |
| Table Anxiety * RminusL     | 0.3265 |
| Table Depression * RminusL  | 0.5142 |
| Table Bipolar * RminusL     | 0.7507 |

```

Table Eating * RminusL          0.5579
Table Psychotic * RminusL       0.0863
Table PTSD * RminusL           0.0048
Table OpioidsPrior * RminusL    0.2507
Table BarbituratesPrior * RminusL 0.3609
Table TriptansPrior * RminusL   0.2693
Table OpioidsPost * RminusL     0.3893
Table BarbituratesPost * RminusL 0.1298
Table TriptansPost * RminusL    0.7369
Correlation of education level and RminusL is 0.11868, p=
0.0700, n=234

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This helps to see the direction of the trend:

Analysis Variable :

RminusL

| PTSD       | Obs        | Mean      | Std Dev    | N         | Median |
|------------|------------|-----------|------------|-----------|--------|
| Minimum    |            | Maximum   |            |           |        |
| -----      |            |           |            |           |        |
|            | 0          | 494       | 0.4513619  | 1.7607283 | 257    |
| 0          | -3.0000000 | 3.0000000 |            |           |        |
|            | 1          | 29        | -0.8750000 | 1.7078251 | 16     |
| -0.5000000 | -3.0000000 | 3.0000000 |            |           |        |
| -----      |            |           |            |           |        |
| -----      |            |           |            |           |        |

PTSD sufferers differ from nonPTSD individuals whereby sufferers are on the left side on average, and non-sufferers are slightly on the right. Same can be seen in the crosstabulation above ( $p < 0.005$ ). Note that the N with PTSD is only 16.