

```

FREQUENCIES VARIABLES=hi_bp_85
  /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE
  /ORDER=ANALYSIS.

```

0. High Blood Pressure? (1985)

Notes

Output Created		27-JAN-2019 03:59:48
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=hi_bp_85 /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

Statistics

High blood pressure?

N	Valid	1028
	Missing	14
Mean		.22
Median		.00
Mode		0
Range		1
Minimum		0
Maximum		1

High blood pressure?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No problem	805	77.3	78.3	78.3
	Yes, problem	223	21.4	21.7	100.0
	Total	1028	98.7	100.0	
Missing	System	14	1.3		
Total		1042	100.0		

```
FREQUENCIES VARIABLES=heart_85
  /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE
  /ORDER=ANALYSIS.
```

1. Heart trouble? (1985)

Notes

Output Created		27-JAN-2019 04:37:50
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=heart_85 /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

Statistics

Heart trouble?

N	Valid	1028
	Missing	14
Mean		.21
Median		.00
Mode		0
Range		1
Minimum		0
Maximum		1

Heart trouble?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No problem	810	77.7	78.8	78.8
	Yes, problem	218	20.9	21.2	100.0
	Total	1028	98.7	100.0	
Missing	System	14	1.3		
Total		1042	100.0		

```
FREQUENCIES VARIABLES=smoke_do
  /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE
  /ORDER=ANALYSIS.
```

2. Do you smoke?

Notes

Output Created		27-JAN-2019 04:55:43
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=smoke_do /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

Statistics

Does respondent smoke?

N	Valid	1025
	Missing	17
Mean		.24
Median		.00
Mode		0
Range		1
Minimum		0
Maximum		1

Does respondent smoke?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	775	74.4	75.6	75.6
	Yes	250	24.0	24.4	100.0
	Total	1025	98.4	100.0	
Missing	System	17	1.6		
Total		1042	100.0		

FREQUENCIES VARIABLES=sex_85
 /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE

3. Gender (1985)

Notes

Output Created		27-JAN-2019 05:10:36
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=sex_85 /STATISTICS=RANGE MINIMUM MAXIMUM MEDIAN MEAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

Statistics

Sex of Respondent

N	Valid	1042
	Missing	0
Mean		1.61
Median		2.00
Mode		2
Range		1
Minimum		1
Maximum		2

Sex of Respondent

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	406	39.0	39.0	39.0
	Female	636	61.0	61.0	100.0
	Total	1042	100.0	100.0	

```

FREQUENCIES VARIABLES=age_85
  /NTILES=4
  /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

4. Age (1985)

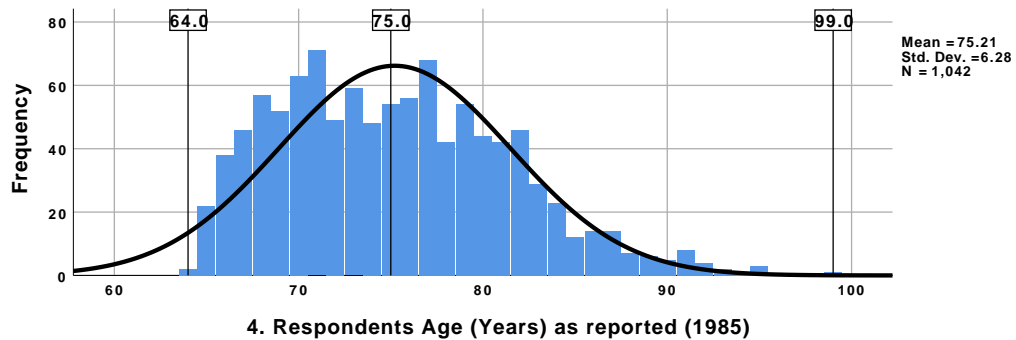
Notes

Output Created		27-JAN-2019 05:46:59
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=age_85 /NTILES=4 /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.00

Statistics

Respondents Age (Years) as reported

N	Valid	1042
	Missing	0
Mean		75.21
Median		75.00
Mode		71
Range		35
Minimum		64
Maximum		99
Percentiles	25	70.00
	50	75.00
	75	80.00



```

FREQUENCIES VARIABLES=wgght_85
/NTILES=4
/STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
/HISTOGRAM NORMAL
/ORDER=ANALYSIS.

```

Frequencies

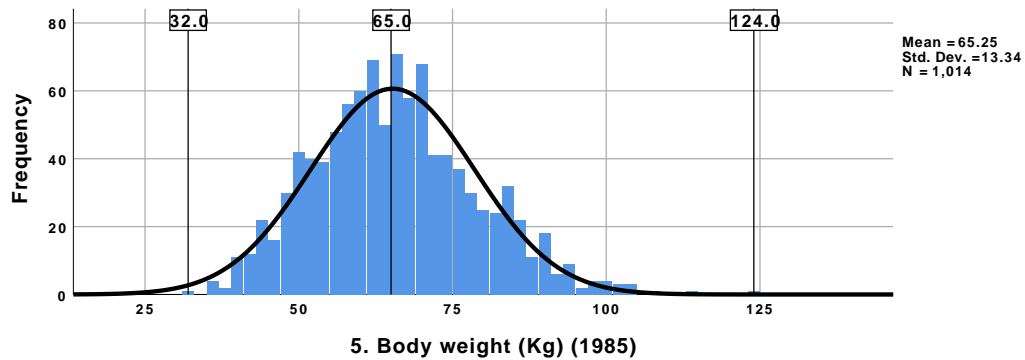
Notes

Output Created		27-JAN-2019 06:13:46
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=wght_85 /NTILES=4 /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.21
	Elapsed Time	00:00:01.00

Statistics

Body weight (Kg)

N	Valid	1014
	Missing	28
Mean		65.25
Median		65.00
Mode		65
Range		92
Minimum		32
Maximum		124
Percentiles	25	56.00
	50	65.00
	75	74.00



```

FREQUENCIES VARIABLES=tmasl_85
  /FORMAT=NOTABLE
  /NTILES=4
  /STATISTICS=range minimum maximum mean median mode
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.

```

Frequencies

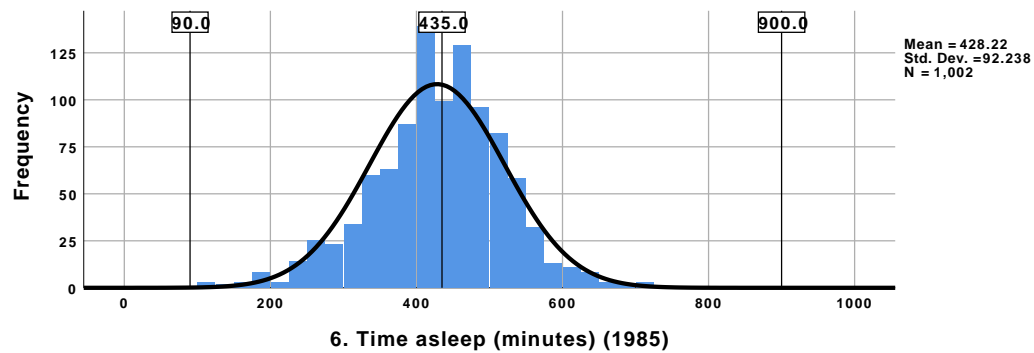
Notes

Output Created		27-JAN-2019 06:36:25
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=tmasl_85 /FORMAT=NOTABLE /NTILES=4 /STATISTICS=range minimum maximum mean median mode /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.00

Statistics

Time asleep (minutes)

N	Valid	1002
	Missing	40
Mean		428.22
Median		435.00
Mode		420
Range		810
Minimum		90
Maximum		900
Percentiles	25	378.75
	50	435.00
	75	480.00



```

FREQUENCIES VARIABLES=t_rlx_85
  /FORMAT=NOTABLE
  /NTILES=4
  /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
  
```

Frequencies

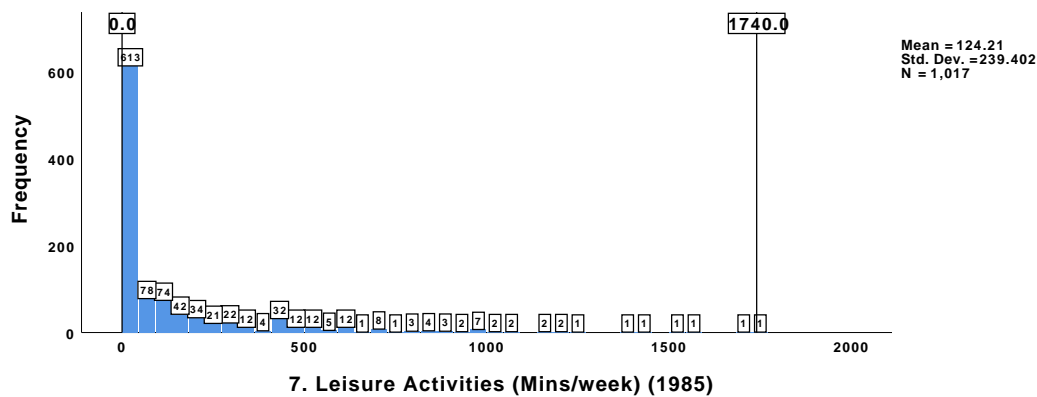
Notes

Output Created		27-JAN-2019 07:02:35
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=t_rlx_85 /FORMAT=NOTABLE /NTILES=4 /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.00

Statistics

Leisure Activities (Mins/week)

N	Valid	1017
	Missing	25
Mean		124.21
Median		.00
Mode		0
Range		1740
Minimum		0
Maximum		1740
Percentiles	25	.00
	50	.00
	75	135.00



```

FREQUENCIES VARIABLES=t_rlx_85
  /FORMAT=NOTABLE
  /NTILES=4
  /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /BARCHART PERCENT
  /ORDER=ANALYSIS.

```

Frequencies

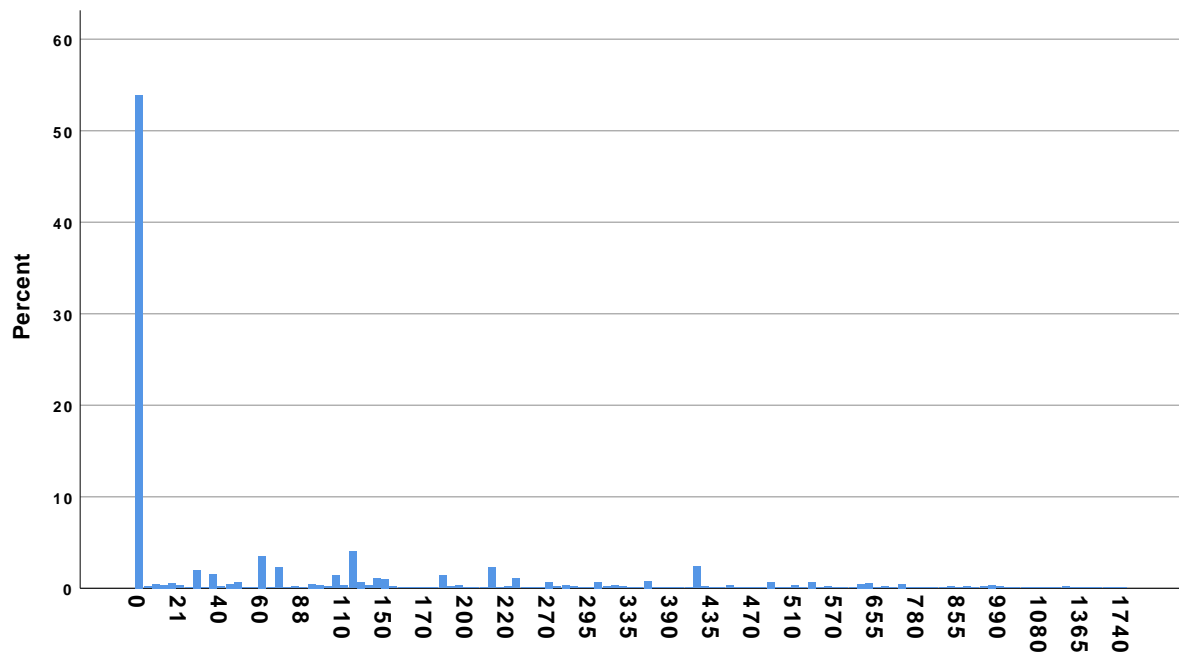
Notes

Output Created		27-JAN-2019 07:38:42
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=t_rlx_85 /FORMAT=NOTABLE /NTILES=4 /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /BARCHART PERCENT /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.00

Statistics

Leisure Activities (Mins/week)

N	Valid	1017
	Missing	25
Mean		124.21
Median		.00
Mode		0
Range		1740
Minimum		0
Maximum		1740
Percentiles	25	.00
	50	.00
	75	135.00



7. Leisure Activities (Mins/week) (1985)

```

FREQUENCIES VARIABLES=anx_85
  /FORMAT=NOTABLE
  /NTILES=4
  /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /BARCHART PERCENT
  /ORDER=ANALYSIS.

```

Frequencies

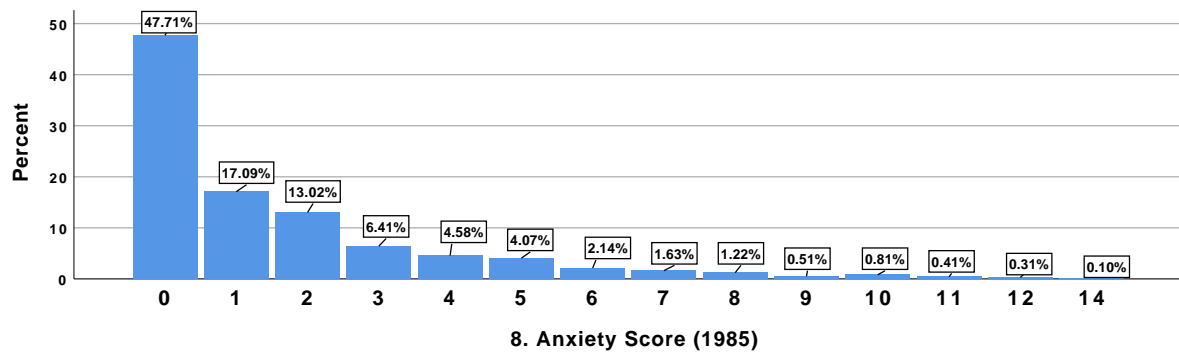
Notes

Output Created		27-JAN-2019 07:41:59
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=anx_85 /FORMAT=NOTABLE /NTILES=4 /STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /BARCHART PERCENT /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.15
	Elapsed Time	00:00:00.00

Statistics

Anxiety Score (1985)

N	Valid	983
	Missing	59
Mean		1.57
Median		1.00
Mode		0
Range		14
Minimum		0
Maximum		14
Percentiles	25	.00
	50	1.00
	75	2.00



```

FREQUENCIES VARIABLES=dep_85
  /FORMAT=NOTABLE
  /NTILES=4
  /STATISTICS=range minimum maximum mean median mode
  /BARCHART PERCENT
  /ORDER=ANALYSIS.

```

Frequencies

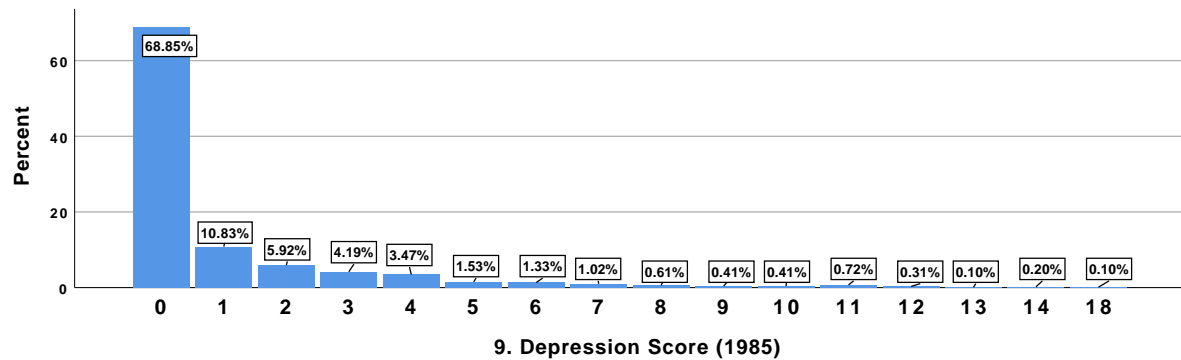
Notes

Output Created		27-JAN-2019 07:56:41
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=dep_85 /FORMAT=NOTABLE /NTILES=4 /STATISTICS=range minimum maximum mean median mode /BARCHART PERCENT /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.15
	Elapsed Time	00:00:00.00

Statistics

Depression Score (1985)

N	Valid	979
	Missing	63
Mean		1.02
Median		.00
Mode		0
Range		18
Minimum		0
Maximum		18
Percentiles	25	.00
	50	.00
	75	1.00



CROSSTABS

```

/TABLES=heart_85 BY hi_bp_85
/FORMAT=AVALUE TABLES
/STATISTICS=CHISQ CC CORR RISK
/CELLS=COUNT ROW
/COUNT ROUND CELL.

```

4.1 heart trouble - Crosstabs

Notes

Output Created		27-JAN-2019 17:01:35
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=heart_85 BY hi_bp_85 /FORMAT=AVALUE TABLES /STATISTICS=CHISQ CC CORR RISK /CELLS=COUNT ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Heart trouble? * High blood pressure?	1025	98.4%	17	1.6%	1042	100.0%

Heart trouble? * High blood pressure? Crosstabulation

			High blood pressure?		Total
			No problem	Yes, problem	
Heart trouble?	No problem	Count	650	159	809
		% within Heart trouble?	80.3%	19.7%	100.0%
	Yes, problem	Count	152	64	216
		% within Heart trouble?	70.4%	29.6%	100.0%
Total	Count		802	223	1025
	% within Heart trouble?		78.2%	21.8%	100.0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	9.966 ^a	1	.002		
Continuity Correction ^b	9.389	1	.002		
Likelihood Ratio	9.447	1	.002		
Fisher's Exact Test				.002	.001
Linear-by-Linear Association	9.957	1	.002		
N of Valid Cases	1025				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 46.99.

b. Computed only for a 2x2 table

Symmetric Measures

			Asymptotic Standard Error	Approximate T ^b
Value			a	
Nominal by Nominal	Contingency Coefficient	.098		
Interval by Interval	Pearson's R	.099	.034	3.169
Ordinal by Ordinal	Spearman Correlation	.099	.034	3.169
N of Valid Cases		1025		

Symmetric Measures

			Approximate Significance
Nominal by Nominal	Contingency Coefficient	.002	
Interval by Interval	Pearson's R	.002 ^c	
Ordinal by Ordinal	Spearman Correlation	.002 ^c	
N of Valid Cases			

- Not assuming the null hypothesis.
- Using the asymptotic standard error assuming the null hypothesis.
- Based on normal approximation.

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Heart trouble? (No problem / Yes, problem)	1.721	1.226	2.417
For cohort High blood pressure? = No problem	1.142	1.040	1.253
For cohort High blood pressure? = Yes, problem	.663	.517	.850
N of Valid Cases	1025		

CROSSTABS

```

/TABLES=smoke_do BY hi_bp_85
/FORMAT=AVALUE TABLES
/STATISTICS=CHISQ CC CORR RISK
/CELLS=COUNT ROW
/COUNT ROUND CELL.

```

4.2 smoking - Crosstabs

Notes

Output Created		27-JAN-2019 17:04:02
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=smoke_do BY hi_bp_85 /FORMAT=AVALUE TABLES /STATISTICS=CHISQ CC CORR RISK /CELLS=COUNT ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Does respondent smoke? * High blood pressure?	1022	98.1%	20	1.9%	1042	100.0%

Does respondent smoke? * High blood pressure? Crosstabulation

			High blood pressure?	
			No problem	Yes, problem
Does respondent smoke?	No	Count	593	179
		% within Does respondent smoke?	76.8%	23.2%
	Yes	Count	206	44
		% within Does respondent smoke?	82.4%	17.6%
Total	Count		799	223
	% within Does respondent smoke?		78.2%	21.8%

Does respondent smoke? * High blood pressure? Crosstabulation

			Total
Does respondent smoke?	No	Count	772
		% within Does respondent smoke?	100.0%
	Yes	Count	250
		% within Does respondent smoke?	100.0%
Total	Count		1022
	% within Does respondent smoke?		100.0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3.455 ^a	1	.063		
Continuity Correction ^b	3.135	1	.077		
Likelihood Ratio	3.579	1	.059		
Fisher's Exact Test				.065	.037
Linear-by-Linear Association	3.452	1	.063		
N of Valid Cases	1022				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 54.55.

b. Computed only for a 2x2 table

Symmetric Measures

		Value	Asymptotic Standard Error ^a	Approximate T ^b
Nominal by Nominal	Contingency Coefficient	.058		
Interval by Interval	Pearson's R	-.058	.030	-1.860
Ordinal by Ordinal	Spearman Correlation	-.058	.030	-1.860
N of Valid Cases		1022		

Symmetric Measures

		Approximate Significance
Nominal by Nominal	Contingency Coefficient	.063
Interval by Interval	Pearson's R	.063 ^c
Ordinal by Ordinal	Spearman Correlation	.063 ^c
N of Valid Cases		

- a. Not assuming the null hypothesis.
- b. Using the asymptotic standard error assuming the null hypothesis.
- c. Based on normal approximation.

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Does respondent smoke? (No / Yes)	.708	.491	1.020
For cohort High blood pressure? = No problem	.932	.870	.999
For cohort High blood pressure? = Yes, problem	1.317	.979	1.774
N of Valid Cases		1022	

```

CROSSTABS
  /TABLES=sex_85 BY hi_bp_85
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ CC CORR RISK
  /CELLS=COUNT ROW
  /COUNT ROUND CELL.

```

4.3 gender - Crosstabs

Notes

Output Created		27-JAN-2019 17:07:46
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=sex_85 BY hi_bp_85 /FORMAT=AVALUE TABLES /STATISTICS=CHISQ CC CORR RISK /CELLS=COUNT ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Sex of Respondent * High blood pressure?	1028	98.7%	14	1.3%	1042	100.0%

Sex of Respondent * High blood pressure? Crosstabulation

			High blood pressure?		Total
			No problem	Yes, problem	
Sex of Respondent	Male	Count	335	65	400
		% within Sex of Respondent	83.8%	16.3%	100.0%
	Female	Count	470	158	628
		% within Sex of Respondent	74.8%	25.2%	100.0%
Total	Count		805	223	1028
	% within Sex of Respondent		78.3%	21.7%	100.0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	11.418 ^a	1	.001		
Continuity Correction ^b	10.900	1	.001		
Likelihood Ratio	11.751	1	.001		
Fisher's Exact Test				.001	.000
Linear-by-Linear Association	11.407	1	.001		
N of Valid Cases	1028				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 86.77.

b. Computed only for a 2x2 table

Symmetric Measures

			Asymptotic Standard Error	Approximate T ^b
Value				
Nominal by Nominal	Contingency Coefficient	.105		
Interval by Interval	Pearson's R	.105	.030	3.395
Ordinal by Ordinal	Spearman Correlation	.105	.030	3.395
N of Valid Cases			1028	

Symmetric Measures

			Approximate Significance
Nominal by Nominal	Contingency Coefficient		.001
Interval by Interval	Pearson's R		.001 ^c
Ordinal by Ordinal	Spearman Correlation		.001 ^c
N of Valid Cases			

- Not assuming the null hypothesis.
- Using the asymptotic standard error assuming the null hypothesis.
- Based on normal approximation.

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Sex of Respondent (Male / Female)	1.733	1.257	2.388
For cohort High blood pressure? = No problem	1.119	1.051	1.191
For cohort High blood pressure? = Yes, problem	.646	.498	.838
N of Valid Cases	1028		

```
EXAMINE VARIABLES=age_85
/PLOT BOXPLOT HISTOGRAM NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.
```

4.4 age - Explore

Notes

Output Created		25-JAN-2019 05:40:30
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=age_85 /PLOT BOXPLOT HISTOGRAM NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.65
	Elapsed Time	00:00:01.00

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Respondents Age (Years) as reported	1042	100.0%	0	0.0%	1042	100.0%

Descriptives

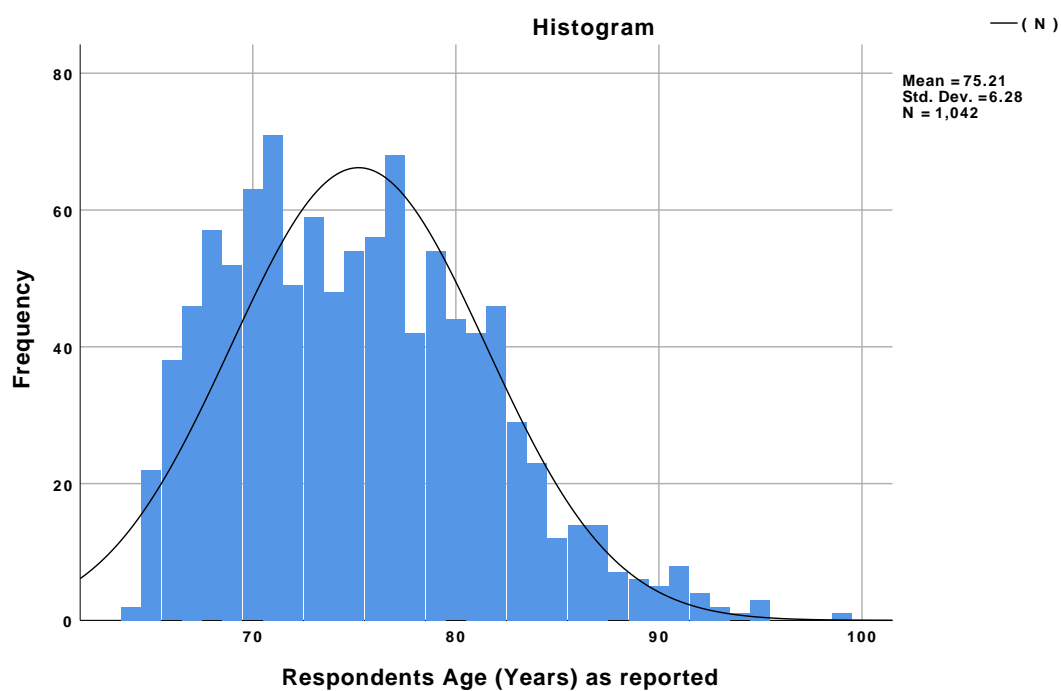
		Statistic	Std. Error
Respondents Age (Years) as reported	Mean	75.21	.195
	95% Confidence Interval for Mean	Lower Bound	74.83
		Upper Bound	75.59
	5% Trimmed Mean	74.95	
	Median	75.00	
	Variance	39.440	
	Std. Deviation	6.280	
	Minimum	64	
	Maximum	99	
	Range	35	
	Interquartile Range	10	
	Skewness	.515	.076
	Kurtosis	-.138	.151

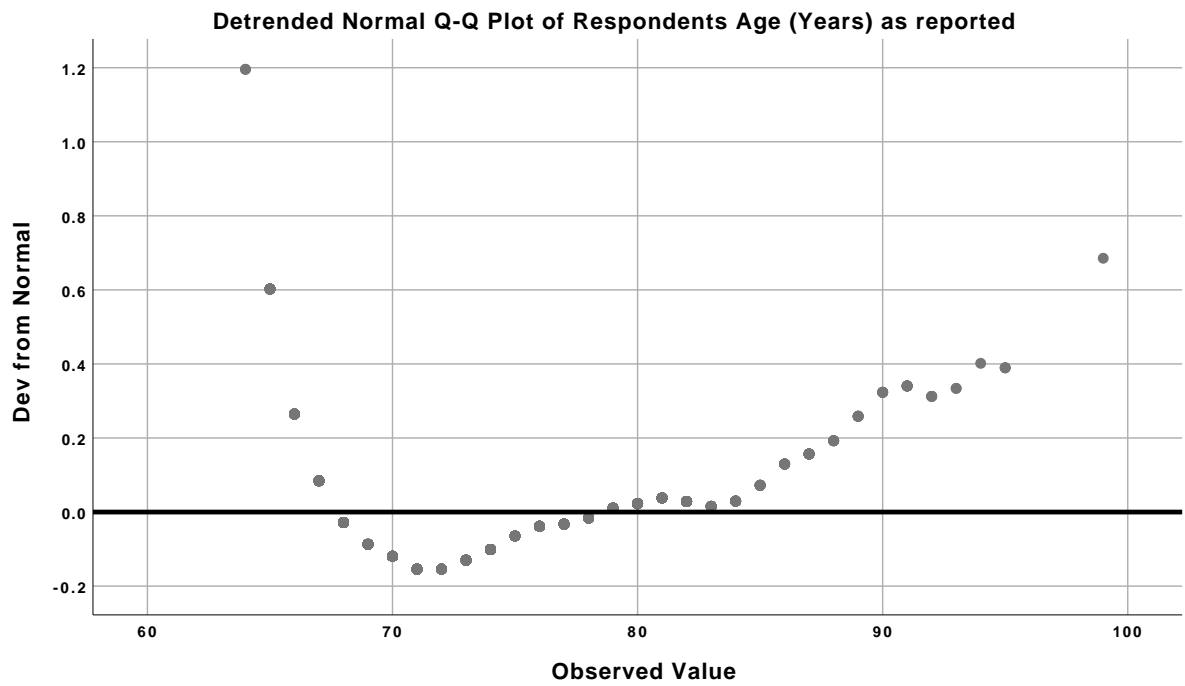
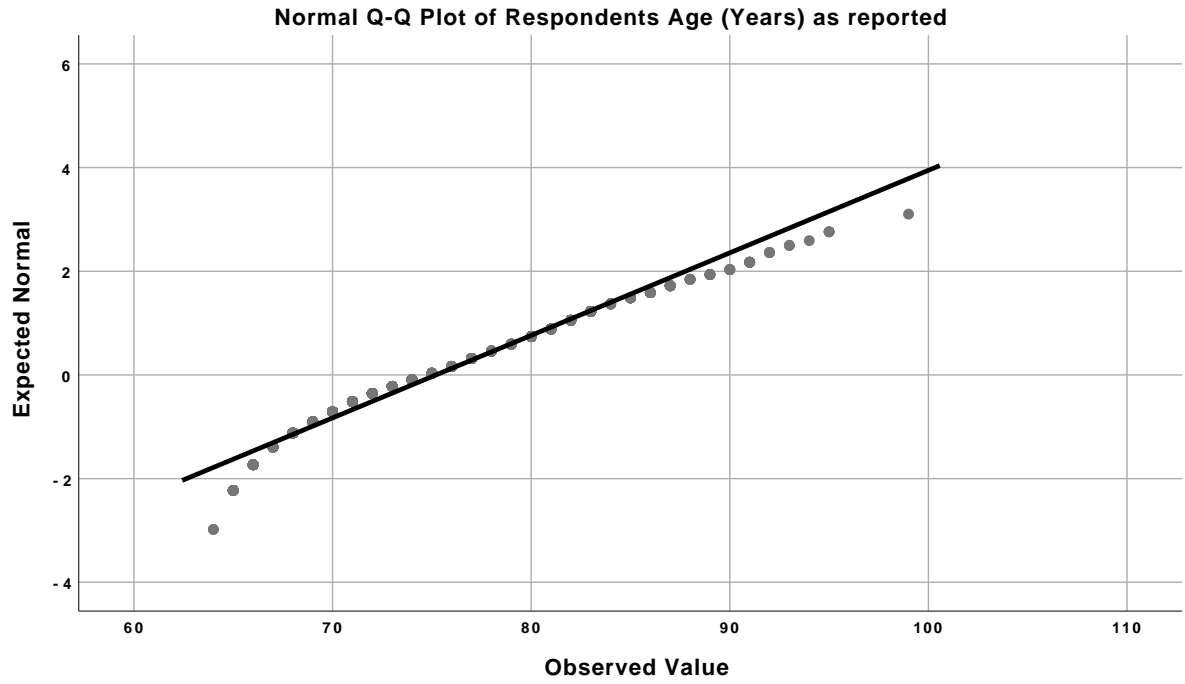
Tests of Normality

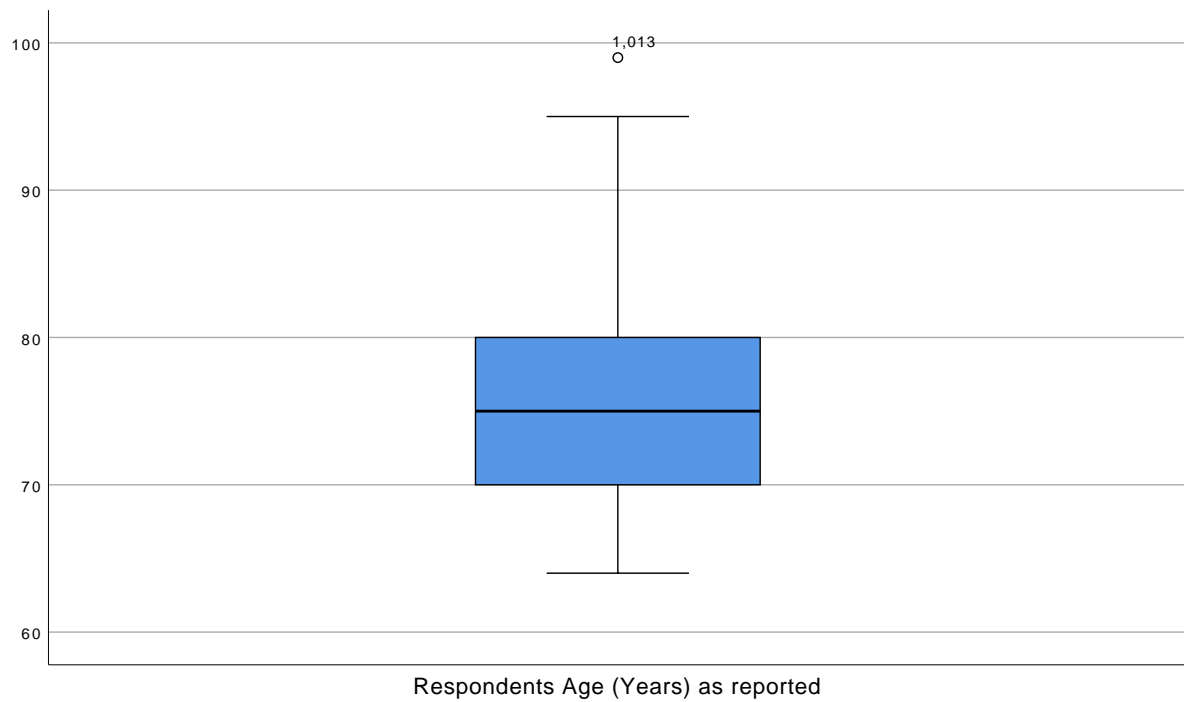
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Respondents Age (Years) as reported	.086	1042	.000	.970	1042	.000

a. Lilliefors Significance Correction

Respondents Age (Years) as reported







```

NPAR TESTS
  /M-W= age_85 BY hi_bp_85(0 1)
  /STATISTICS=DESCRIPTIVES
  /MISSING ANALYSIS.

```

NPar Tests

Notes

Output Created		25-JAN-2019 05:41:43
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= age_85 BY hi_bp_85(0 1) /STATISTICS=DESCRIPTI VES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed:	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Respondents Age (Years) as reported	1042	75.21	6.280	64	99
High blood pressure?	1028	.22	.412	0	1

Mann-Whitney Test

Ranks

	High blood pressure?	N	Mean Rank	Sum of Ranks
Respondents Age (Years) as reported	No problem	805	514.64	414287.00
	Yes, problem	223	513.99	114619.00
	Total	1028		

Test Statistics^a

	Respondents Age (Years) as reported
Mann-Whitney U	89643.000
Wilcoxon W	114619.000
Z	-.029
Asymp. Sig. (2-tailed)	.977

a. Grouping Variable: High blood pressure?

NONPAR CORR

/VARIABLES=age_85 hi_bp_85

/PRINT=SPEARMAN TWOTAIL NOSIG

/MISSING=PAIRWISE.

Nonparametric Correlations

Notes

Output Created		25-JAN-2019 05:42:06
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		NONPAR CORR /VARIABLES=age_85 hi_bp_85 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

			Respondents Age (Years) as reported
Spearman's rho	Respondents Age (Years) as reported	Correlation Coefficient	1.000
		Sig. (2-tailed)	.
		N	1042
	High blood pressure?	Correlation Coefficient	-.001
		Sig. (2-tailed)	.977
		N	1028

Correlations

			High blood pressure?
Spearman's rho	Respondents Age (Years) as reported	Correlation Coefficient	-.001
		Sig. (2-tailed)	.977
		N	1028
	High blood pressure?	Correlation Coefficient	1.000
		Sig. (2-tailed)	.
		N	1028

```

EXAMINE VARIABLES=wgght_85
/PLOT BOXPLOT HISTOGRAM NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```

4.5 weight - Explore

Notes

Output Created		25-JAN-2019 05:35:20
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=wght_85 /PLOT BOXPLOT HISTOGRAM NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.75
	Elapsed Time	00:00:01.00

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Body weight (Kg)	1014	97.3%	28	2.7%	1042	100.0%

Descriptives

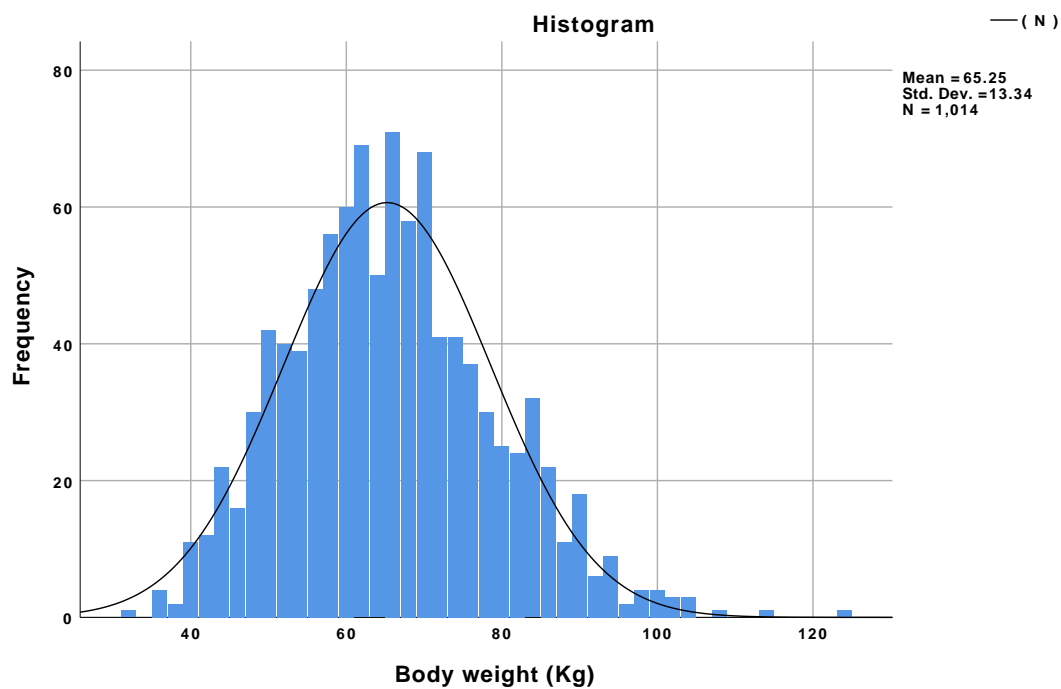
			Statistic	Std. Error
Body weight (Kg)	Mean		65.25	.419
	95% Confidence Interval for Mean	Lower Bound	64.43	
		Upper Bound	66.07	
	5% Trimmed Mean		64.93	
	Median		65.00	
	Variance		177.950	
	Std. Deviation		13.340	
	Minimum		32	
	Maximum		124	
	Range		92	
	Interquartile Range		18	
	Skewness		.405	.077
	Kurtosis		.218	.153

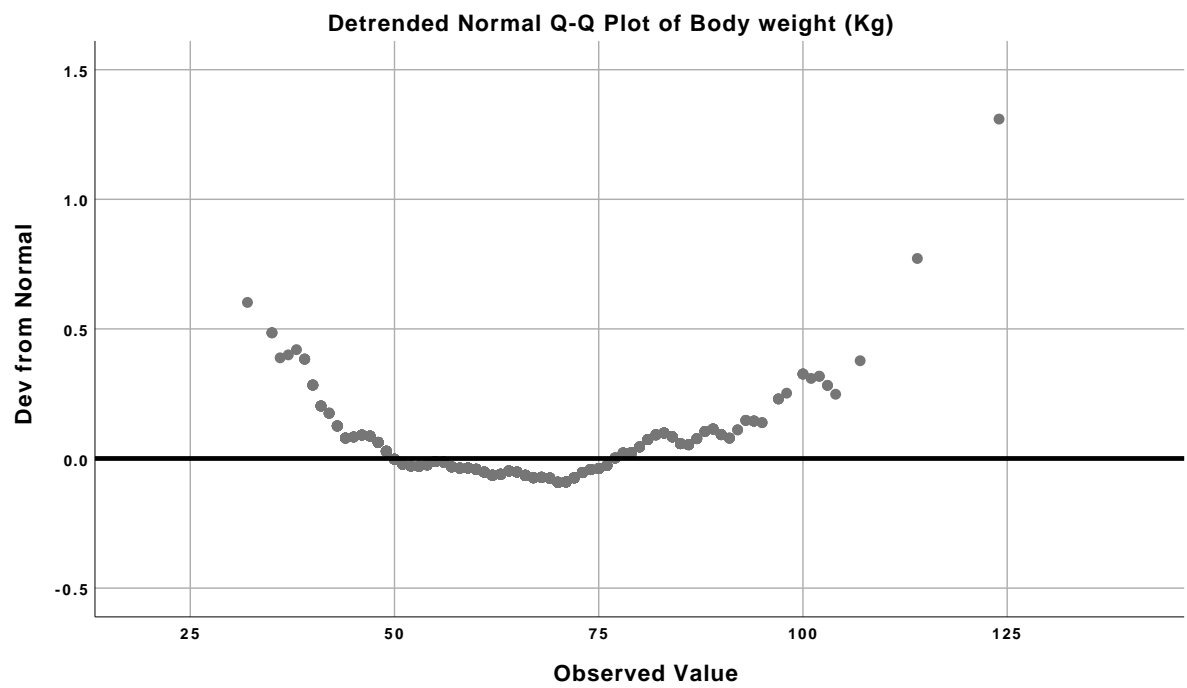
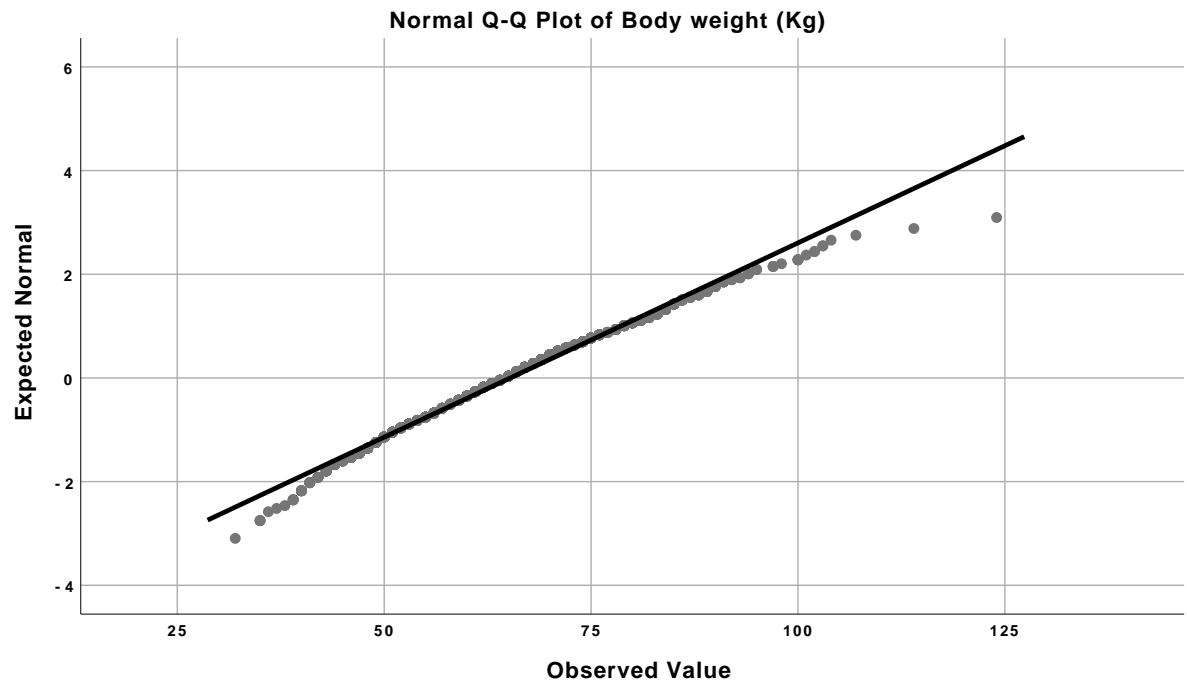
Tests of Normality

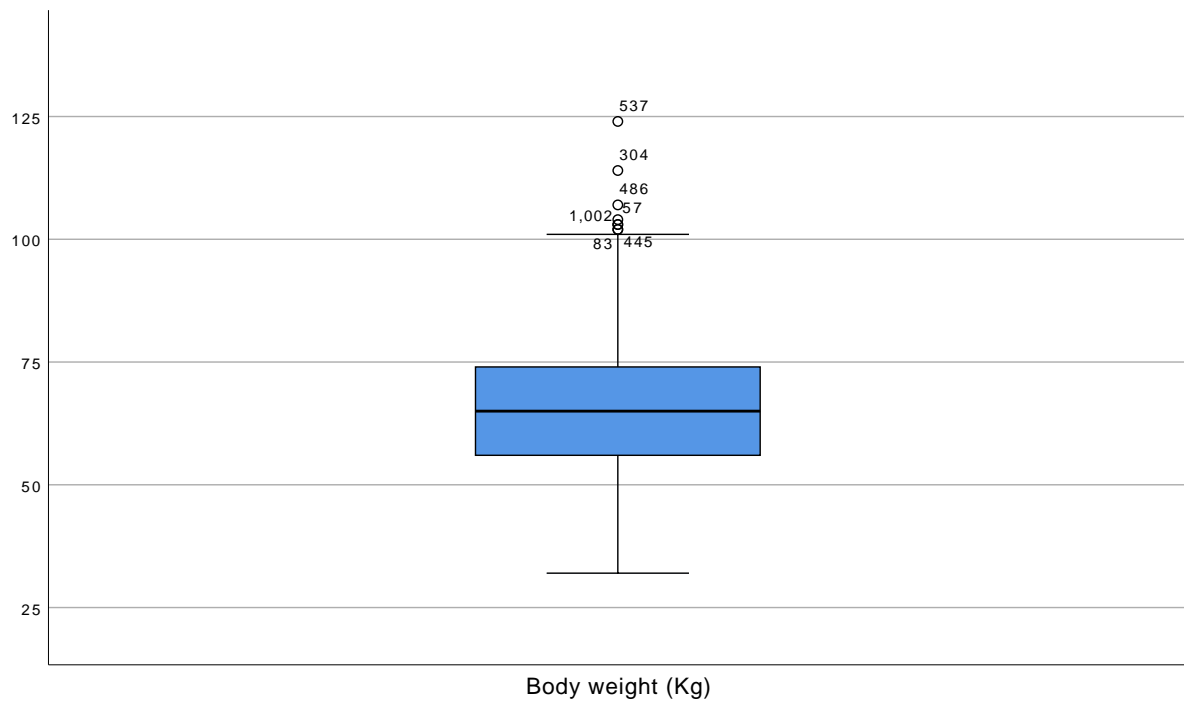
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Body weight (Kg)	.050	1014	.000	.989	1014	.000

a. Lilliefors Significance Correction

Body weight (Kg)







```

NPAR TESTS
  /M-W= wght_85 BY hi_bp_85(0 1)
  /STATISTICS=DESCRIPTIVES
  /MISSING ANALYSIS.

```

NPar Tests

Notes

Output Created		25-JAN-2019 05:38:48
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= wght_85 BY hi_bp_85(0 1) /STATISTICS=DESCRIPTI VES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed:	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Body weight (Kg)	1014	65.25	13.340	32	124
High blood pressure?	1028	.22	.412	0	1

Mann-Whitney Test

Ranks

	High blood pressure?	N	Mean Rank	Sum of Ranks
Body weight (Kg)	No problem	785	490.37	384938.00
	Yes, problem	220	548.08	120577.00
	Total	1005		

Test Statistics^a

	Body weight (Kg)
Mann-Whitney U	76433.000
Wilcoxon W	384938.000
Z	-2.607
Asymp. Sig. (2-tailed)	.009

a. Grouping Variable: High blood pressure?

NONPAR CORR

/VARIABLES=wgght_85 hi_bp_85

/PRINT=SPEARMAN TWOTAIL NOSIG

/MISSING=PAIRWISE.

Nonparametric Correlations

Notes

Output Created		25-JAN-2019 05:39:15
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		NONPAR CORR /VARIABLES=wgght_85 hi_bp_85 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

			Body weight (Kg)	High blood pressure?
Spearman's rho	Body weight (Kg)	Correlation Coefficient	1.000	.082 ^{**}
		Sig. (2-tailed)	.	.009
		N	1014	1005
	High blood pressure?	Correlation Coefficient	.082 ^{**}	1.000
		Sig. (2-tailed)	.009	.
		N	1005	1028

****.** Correlation is significant at the 0.01 level (2-tailed).

```
EXAMINE VARIABLES=tmasl_85
/PLOT BOXPLOT HISTOGRAM NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.
```

4.6 sleep - Explore

Notes

Output Created		25-JAN-2019 05:43:24
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=tmasl_85 /PLOT BOXPLOT HISTOGRAM NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.68
	Elapsed Time	00:00:02.00

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Time asleep (minutes)	1002	96.2%	40	3.8%	1042	100.0%

Descriptives

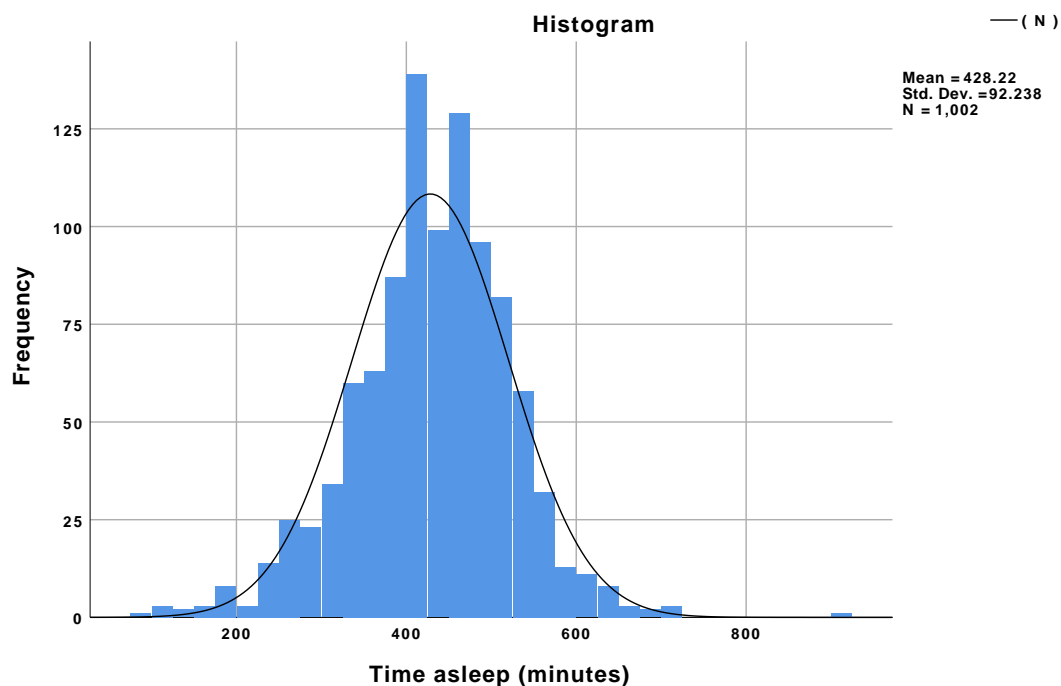
		Statistic	Std. Error
Time asleep (minutes)	Mean	428.22	2.914
	95% Confidence Interval for Mean	Lower Bound	422.50
		Upper Bound	433.94
	5% Trimmed Mean	429.43	
	Median	435.00	
	Variance	8507.887	
	Std. Deviation	92.238	
	Minimum	90	
	Maximum	900	
	Range	810	
	Interquartile Range	101	
	Skewness	-.206	.077
	Kurtosis	1.305	.154

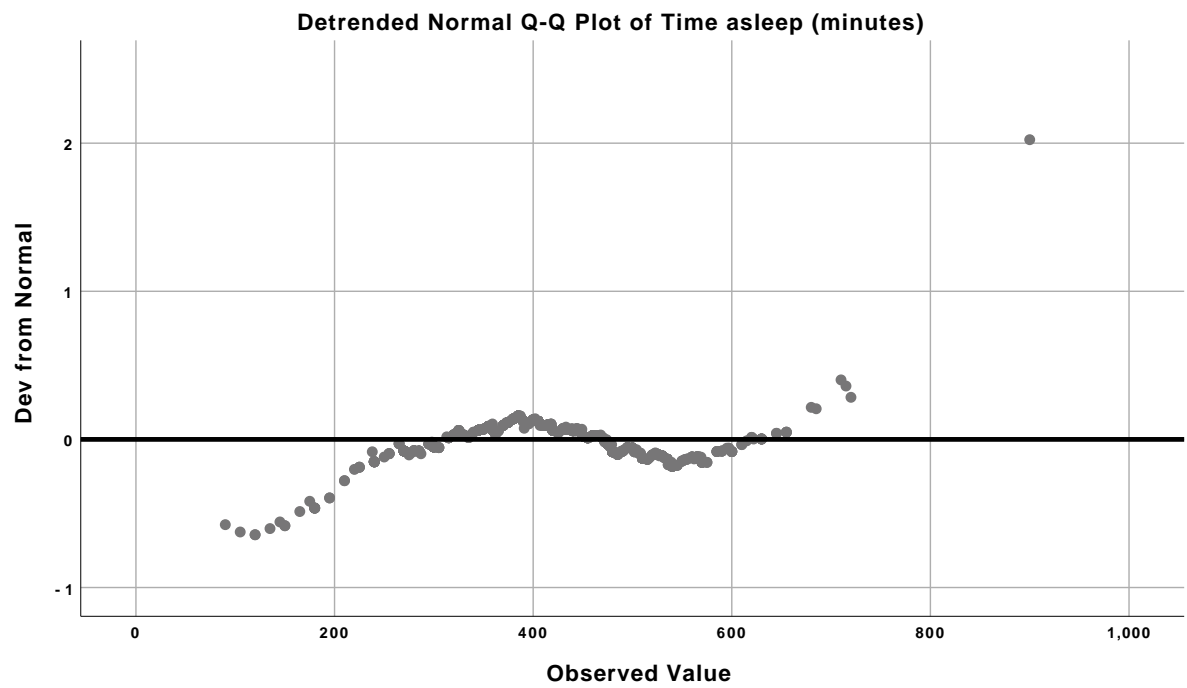
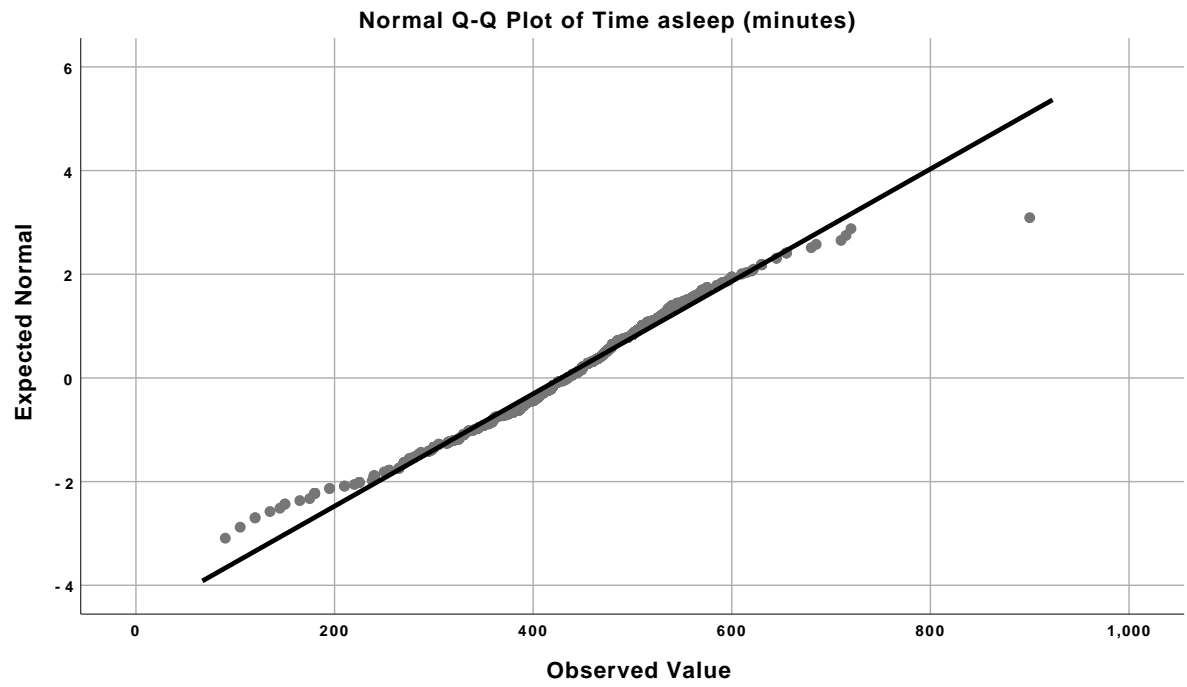
Tests of Normality

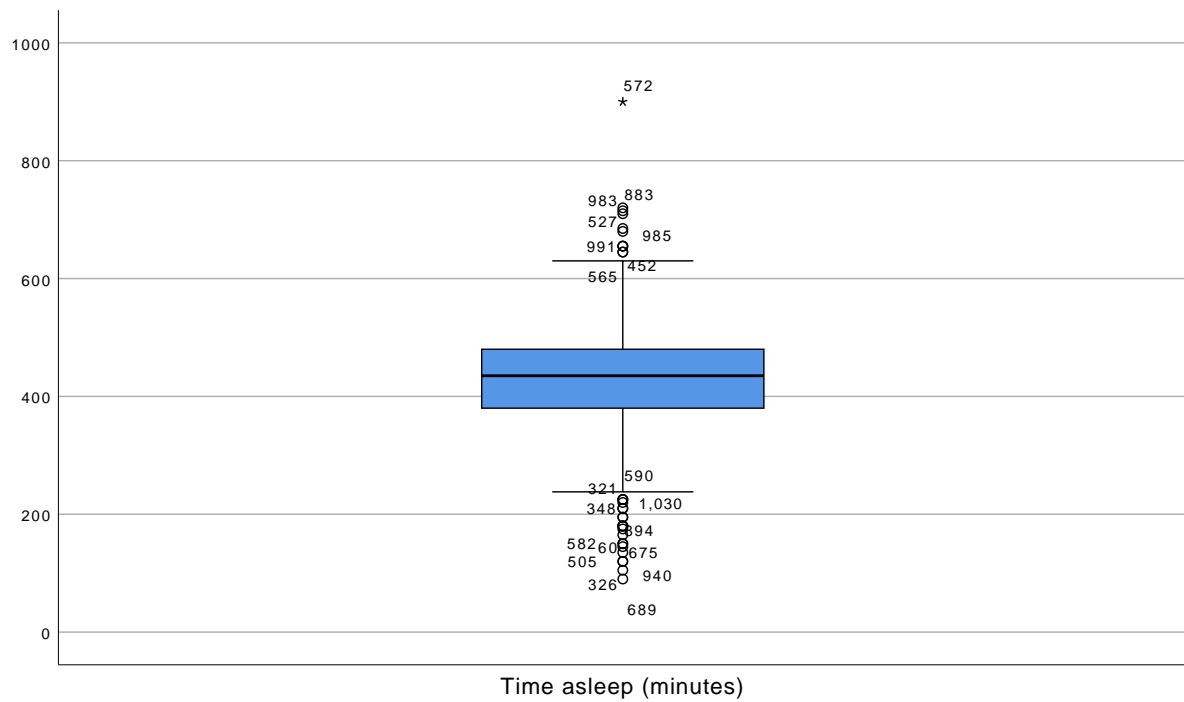
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Time asleep (minutes)	.066	1002	.000	.985	1002	.000

a. Lilliefors Significance Correction

Time asleep (minutes)







```

NPAR TESTS
  /M-W= tmasl_85 BY hi_bp_85(0 1)
  /STATISTICS=DESCRIPTIVES
  /MISSING ANALYSIS.

```

NPar Tests

Notes

Output Created		25-JAN-2019 05:44:08
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= tmasl_85 BY hi_bp_85(0 1) /STATISTICS=DESCRIPTI VES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Number of Cases Allowed:	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Time asleep (minutes)	1002	428.22	92.238	90	900
High blood pressure?	1028	.22	.412	0	1

Mann-Whitney Test

Ranks

	High blood pressure?	N	Mean Rank	Sum of Ranks
Time asleep (minutes)	No problem	782	505.73	395479.50
	Yes, problem	218	481.75	105020.50
	Total	1000		

Test Statistics^a

	Time asleep (minutes)
Mann-Whitney U	81149.500
Wilcoxon W	105020.500
Z	-1.085
Asymp. Sig. (2-tailed)	.278

a. Grouping Variable: High blood pressure?

NONPAR CORR

/VARIABLES=tmasl_85 hi_bp_85

/PRINT=SPEARMAN TWOTAIL NOSIG

/MISSING=PAIRWISE.

Nonparametric Correlations

Notes

Output Created		25-JAN-2019 05:44:27
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		NONPAR CORR /VARIABLES=tmasl_85 hi_bp_85 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

			Time asleep (minutes)	High blood pressure?
Spearman's rho	Time asleep (minutes)	Correlation Coefficient	1.000	-.034
		Sig. (2-tailed)	.	.278
		N	1002	1000
	High blood pressure?	Correlation Coefficient	-.034	1.000
		Sig. (2-tailed)	.278	.
		N	1000	1028

```
EXAMINE VARIABLES=t_rlx_85
/PLOT BOXPLOT HISTOGRAM NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.
```

4.7 leisure - Explore

Notes

Output Created		25-JAN-2019 05:50:52
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.

Notes

Syntax		EXAMINE VARIABLES=t_rlx_85 /PLOT BOXPLOT HISTOGRAM NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.65
	Elapsed Time	00:00:01.00

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Leisure Activities (Mins/week)	1017	97.6%	25	2.4%	1042	100.0%

Descriptives

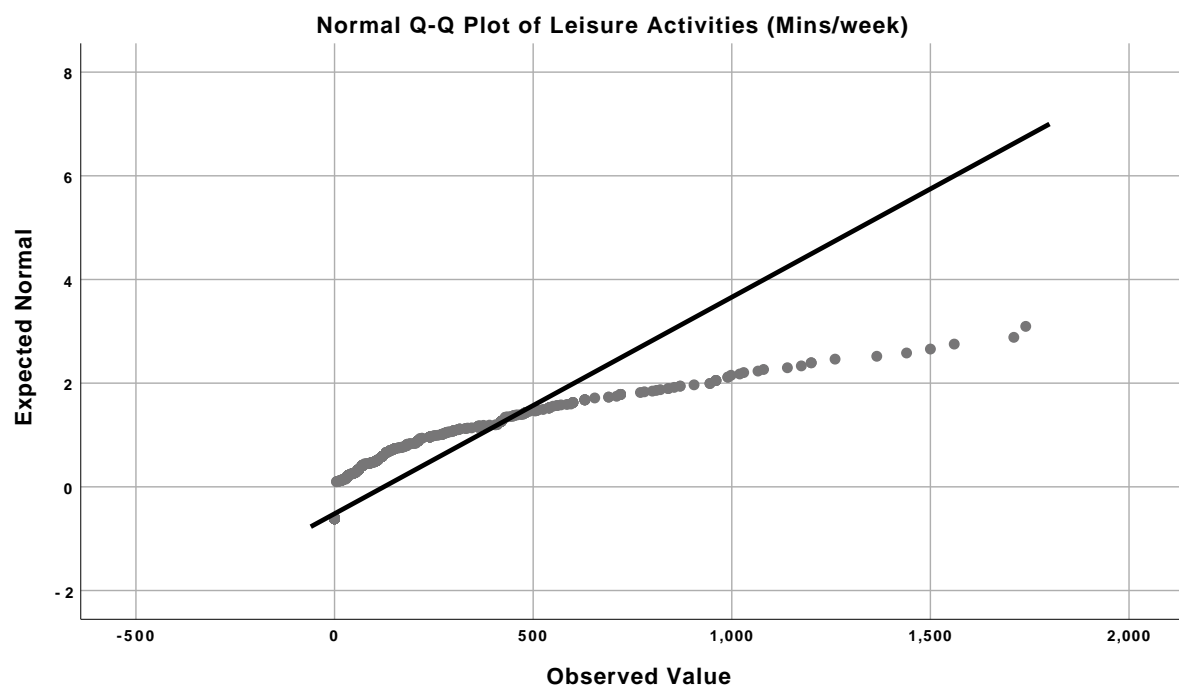
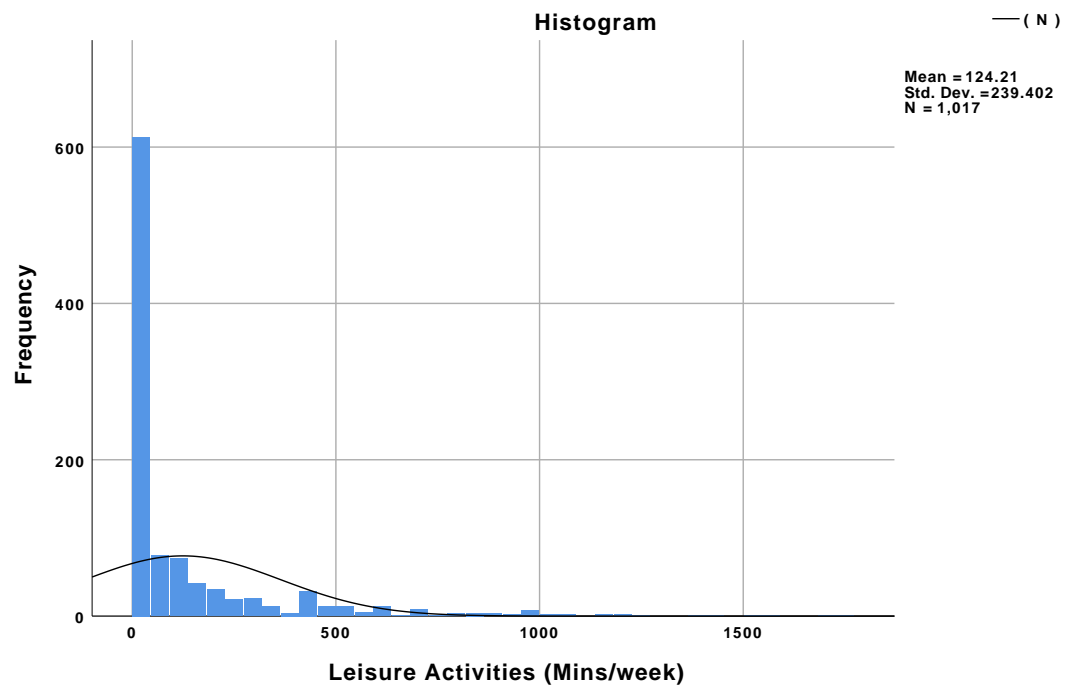
		Statistic	Std. Error
Leisure Activities (Mins/week)	Mean	124.21	7.507
	95% Confidence Interval for Mean	Lower Bound	109.48
		Upper Bound	138.94
	5% Trimmed Mean	85.58	
	Median	.00	
	Variance	57313.528	
	Std. Deviation	239.402	
	Minimum	0	
	Maximum	1740	
	Range	1740	
	Interquartile Range	135	
	Skewness	2.998	.077
	Kurtosis	10.916	.153

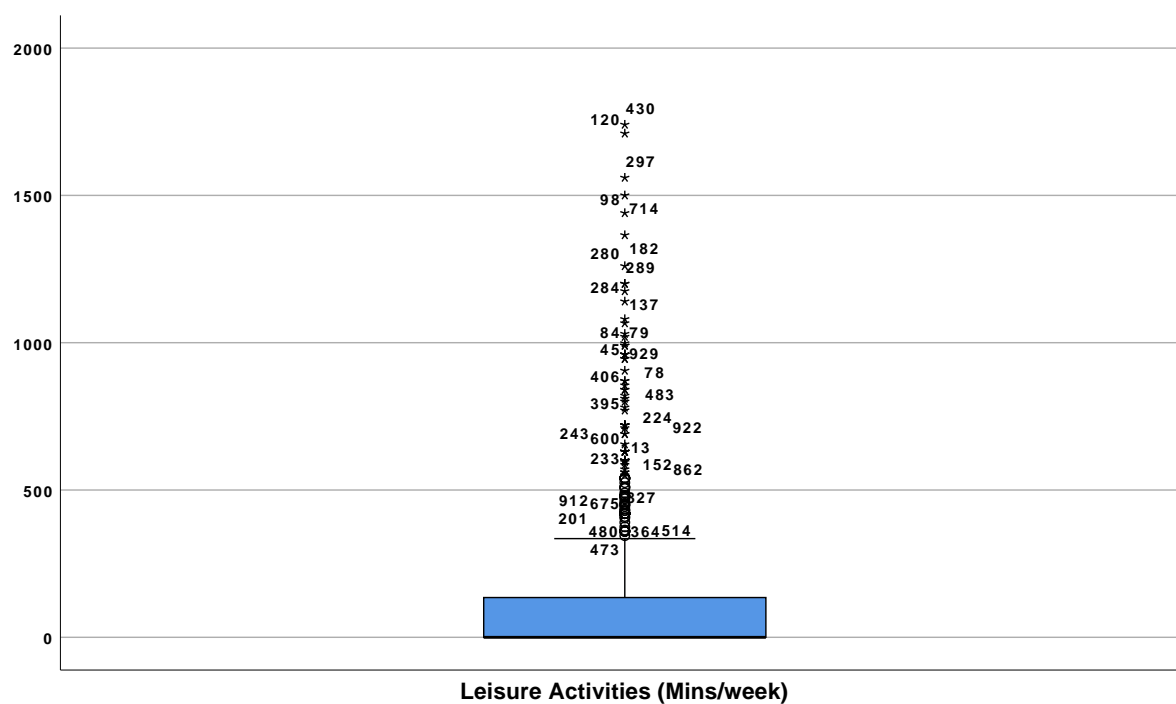
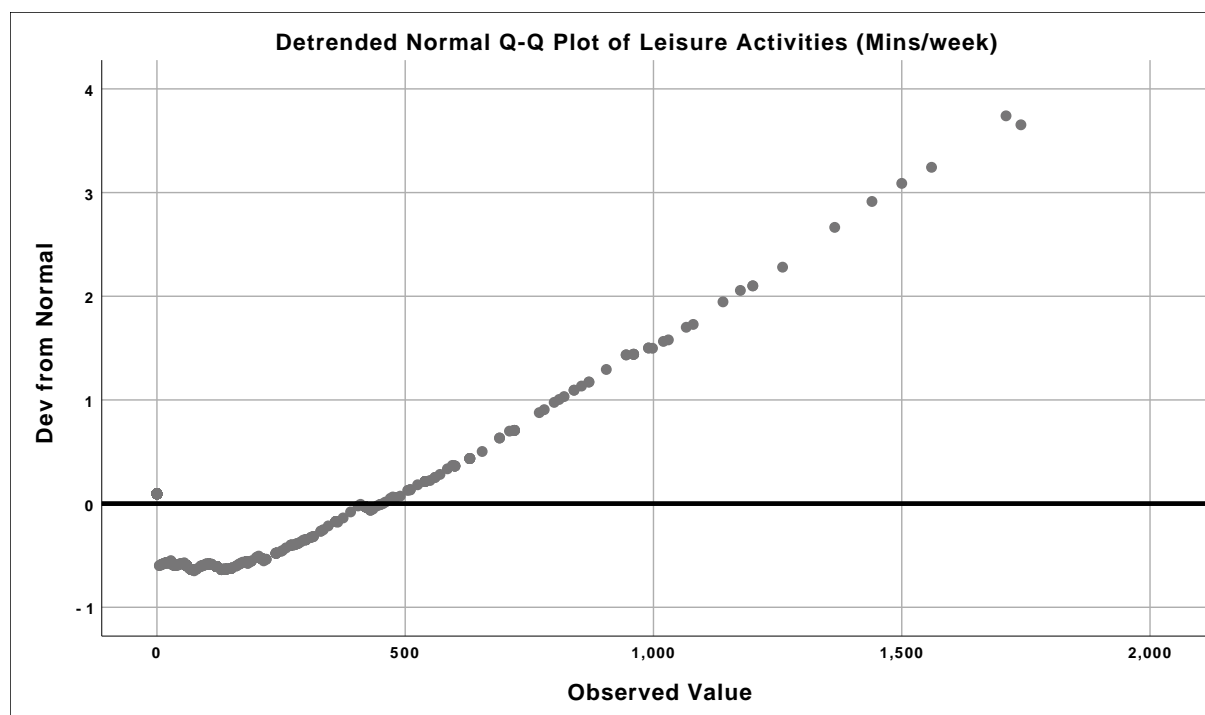
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Leisure Activities (Mins/week)	.302	1017	.000	.586	1017	.000

a. Lilliefors Significance Correction

Leisure Activities (Mins/week)





```

NPAR TESTS
  /M-W= t_rlx_85 BY hi_bp_85(0 1)
  /STATISTICS=DESCRIPTIVES
  /MISSING ANALYSIS.

```

NPar Tests

Notes

Output Created		25-JAN-2019 05:52:37
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= t_rlx_85 BY hi_bp_85(0 1) /STATISTICS=DESCRIPTI VES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed:	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Leisure Activities (Mins/week)	1017	124.21	239.402	0	1740
High blood pressure?	1028	.22	.412	0	1

Mann-Whitney Test

Ranks

	High blood pressure?	N	Mean Rank	Sum of Ranks
Leisure Activities (Mins/week)	No problem	792	516.42	409004.00
	Yes, problem	222	475.68	105601.00
	Total	1014		

Test Statistics^a

	Leisure Activities (Mins/week)
Mann-Whitney U	80848.000
Wilcoxon W	105601.000
Z	-1.993
Asymp. Sig. (2-tailed)	.046

a. Grouping Variable: High blood pressure?

NONPAR CORR

```
/VARIABLES=t_rlx_85 hi_bp_85
/PRINT=SPEARMAN TWOTAIL NOSIG
/MISSING=PAIRWISE.
```

Nonparametric Correlations

Notes

Output Created		25-JAN-2019 05:52:53
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		NONPAR CORR /VARIABLES=t_rlx_85 hi_bp_85 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

		Leisure Activities (Mins/week)
Spearman's rho	Leisure Activities (Mins/week)	Correlation Coefficient
		1.000
		Sig. (2-tailed)
		.
		N
		1017
	High blood pressure?	Correlation Coefficient
		-.063 *
		Sig. (2-tailed)
		.046
		N
		1014

Correlations

		High blood pressure?
Spearman's rho	Leisure Activities (Mins/week)	Correlation Coefficient
		-.063 *
		Sig. (2-tailed)
		.046
		N
		1014
	High blood pressure?	Correlation Coefficient
		1.000
		Sig. (2-tailed)
		.
		N
		1028

*. Correlation is significant at the 0.05 level (2-tailed).

NPAR TESTS

```
/M-W= anx_85 BY hi_bp_85(0 1)
/STATISTICS=DESCRIPTIVES
/MISSING ANALYSIS.
```

4.8 anxiety - NPar Tests

Notes

Output Created		25-JAN-2019 06:15:57
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= anx_85 BY hi_bp_85(0 1) /STATISTICS=DESCRIPTI VES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed:	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Anxiety Score (1985)	983	1.57	2.292	0	14
High blood pressure?	1028	.22	.412	0	1

Mann-Whitney Test

Ranks

	High blood pressure?	N	Mean Rank	Sum of Ranks
Anxiety Score (1985)	No problem	764	481.70	368020.00
	Yes, problem	218	525.84	114633.00
	Total	982		

Test Statistics^a

	Anxiety Score (1985)
Mann-Whitney U	75790.000
Wilcoxon W	368020.000
Z	-2.156
Asymp. Sig. (2-tailed)	.031

a. Grouping Variable: High blood pressure?

NONPAR CORR

/VARIABLES=anx_85 hi_bp_85

/PRINT=SPEARMAN TWOTAIL NOSIG

/MISSING=PAIRWISE.

Nonparametric Correlations

Notes

Output Created		25-JAN-2019 06:24:13
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		NONPAR CORR /VARIABLES=anx_85 hi_bp_85 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

			Anxiety Score (1985)	High blood pressure?
Spearman's rho	Anxiety Score (1985)	Correlation Coefficient	1.000	.069 [*]
		Sig. (2-tailed)	.	.031
		N	983	982
	High blood pressure?	Correlation Coefficient	.069 [*]	1.000
		Sig. (2-tailed)	.031	.
		N	982	1028

*. Correlation is significant at the 0.05 level (2-tailed).

NPAR TESTS

```
/M-W= dep_85 BY hi_bp_85(0 1)
/STATISTICS=DESCRIPTIVES
/MISSING ANALYSIS.
```

4.9 depression - NPar Tests

Notes

Output Created		25-JAN-2019 06:26:13
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= dep_85 BY hi_bp_85(0 1) /STATISTICS=DESCRIPTI VES /MISSING ANALYSIS.

Notes

Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed:	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Depression Score (1985)	979	1.02	2.223	0	18
High blood pressure?	1028	.22	.412	0	1

Mann-Whitney Test

Ranks

	High blood pressure?	N	Mean Rank	Sum of Ranks
Depression Score (1985)	No problem	761	479.68	365040.00
	Yes, problem	217	523.92	113691.00
	Total	978		

Test Statistics^a

	Depression Score (1985)
Mann-Whitney U	75099.000
Wilcoxon W	365040.000
Z	-2.481
Asymp. Sig. (2-tailed)	.013

a. Grouping Variable: High blood pressure?

```
NONPAR CORR
/VARIABLES=dep_85 hi_bp_85
/PRINT=SPEARMAN TWOTAIL NOSIG
/MISSING=PAIRWISE.
```

Nonparametric Correlations

Notes

Output Created		25-JAN-2019 06:26:36
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		NONPAR CORR /VARIABLES=dep_85 hi_bp_85 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

			Depression Score (1985)
Spearman's rho	Depression Score (1985)	Correlation Coefficient	1.000
		Sig. (2-tailed)	.
		N	979
	High blood pressure?	Correlation Coefficient	.079 [*]
		Sig. (2-tailed)	.013
		N	978

Correlations

			High blood pressure?
Spearman's rho	Depression Score (1985)	Correlation Coefficient	.079 [*]
		Sig. (2-tailed)	.013
		N	978
	High blood pressure?	Correlation Coefficient	1.000
		Sig. (2-tailed)	.
		N	1028

*. Correlation is significant at the 0.05 level (2-tailed).

```
LOGISTIC REGRESSION VARIABLES hi_bp_85
/METHOD=ENTER heart_85 sex_85 wght_85 t_rlx_85 anx_85 dep_85
/CONTRAST (sex_85)=Indicator
/CONTRAST (heart_85)=Indicator
/CLASSPLOT
/CASEWISE OUTLIER(2)
/PRINT=GOODFIT ITER(1) CI(95)
/CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
```

4.10 Binary Logistic Regression

Notes

Output Created		27-JAN-2019 18:59:05
Comments		
Input	Data	/Users/bob/Desktop/D A/NLSAA Jan 2006.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1042
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES hi_bp_85 /METHOD=ENTER heart_85 sex_85 wght_85 t_rlx_85 anx_85 dep_85 /CONTRAST (sex_85) =Indicator /CONTRAST (heart_85) =Indicator /CLASSPLOT /CASEWISE OUTLIER(2) /PRINT=GOODFIT ITER (1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE (20) CUT(0.5).
Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00

Case Processing Summary

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	962	92.3
	Missing Cases	80	7.7
	Total	1042	100.0
Unselected Cases		0	.0
Total		1042	100.0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
No problem	0
Yes, problem	1

Categorical Variables Codings

Frequency			Parameter coding (1)
Sex of Respondent	Male	372	1.000
	Female	590	.000
Heart trouble?	No problem	763	1.000
	Yes, problem	199	.000

Block 0: Beginning Block

Iteration History^{a,b,c}

Iteration		-2 Log likelihood	Coefficients Constant
Step 0	1	1023.117	-1.110
	2	1019.716	-1.246
	3	1019.711	-1.251
	4	1019.711	-1.251

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 1019.711

c. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

Classification Table^{a,b}

Observed			Predicted		Percentage Correct
			High blood pressure?		
		No problem	748	Yes, problem	0
Step 0	High blood pressure?	No problem	748	0	100.0
		Yes, problem	214	0	.0
Overall Percentage					77.8

a. Constant is included in the model.

b. The cut value is .500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-1.251	.078	260.586	1	.000	.286

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	Heart trouble?(1)	12.853	1	.000
		Sex of Respondent(1)	15.526	1	.000
		Body weight (Kg)	5.291	1	.021
		Leisure Activities (Mins/week)	7.538	1	.006
		Anxiety Score (1985)	6.970	1	.008
		Depression Score (1985)	3.880	1	.049
	Overall Statistics		46.200	6	.000

Block 1: Method = Enter

Iteration History^{a,b,c,d}

			Coefficients			
Iteration		-2 Log likelihood	Constant	Heart trouble? (1)	Sex of Respondent(1)	Body weight (Kg)
Step 1	1	983.287	-1.639	-.410	-.483	.016
	2	973.280	-2.021	-.548	-.712	.022
	3	973.135	-2.059	-.563	-.747	.023
	4	973.135	-2.060	-.563	-.748	.023

Iteration History^{a,b,c,d}

		Coefficients		
Iteration		Leisure Activities (Mins/week)	Anxiety Score (1985)	Depression Score (1985)
Step 1	1	.000	.017	.022
	2	-.001	.020	.028
	3	-.001	.020	.029
	4	-.001	.020	.029

a. Method: Enter

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 1019.711

d. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	46.576	6	.000
	Block	46.576	6	.000
	Model	46.576	6	.000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	973.135 ^a	.047	.072

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	16.691	8	.033

Contingency Table for Hosmer and Lemeshow Test

		High blood pressure? = No problem		High blood pressure? = Yes, problem		Total
		Observed	Expected	Observed	Expected	
Step 1	1	91	86.862	5	9.138	96
	2	82	83.782	14	12.218	96
	3	77	81.261	19	14.739	96
	4	79	78.779	17	17.221	96
	5	85	76.659	11	19.341	96
	6	64	74.476	32	21.524	96
	7	70	72.294	26	23.706	96
	8	74	69.958	22	26.042	96
	9	65	66.464	31	29.536	96
	10	61	57.465	37	40.535	98

Classification Table^a

			Predicted		Percentage Correct
			High blood pressure?		
	Observed		No problem	Yes, problem	
Step 1	High blood pressure?	No problem	744	4	99.5
		Yes, problem	208	6	2.8
	Overall Percentage				78.0

a. The cut value is .500

Variables in the Equation

		B	S.E.	Wald	df	Sig.
Step 1 ^a	Heart trouble?(1)	-.563	.185	9.304	1	.002
	Sex of Respondent(1)	-.748	.189	15.604	1	.000
	Body weight (Kg)	.023	.006	13.821	1	.000
	Leisure Activities (Mins/week)	-.001	.000	3.258	1	.071
	Anxiety Score (1985)	.020	.046	.187	1	.665
	Depression Score (1985)	.029	.048	.363	1	.547
	Constant	-2.060	.438	22.139	1	.000

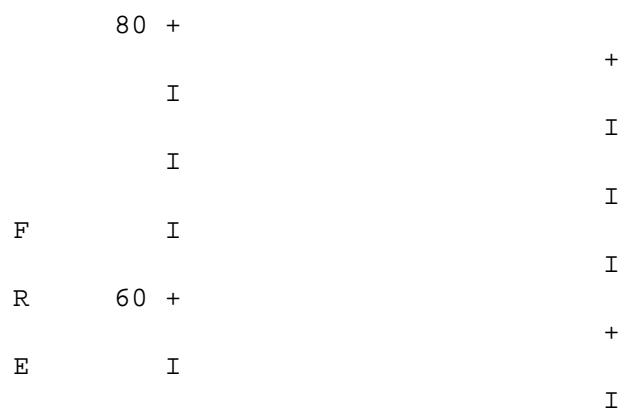
Variables in the Equation

		Exp(B)	95% C.I.for EXP(B)	
			Lower	Upper
Step 1 ^a	Heart trouble?(1)	.569	.396	.818
	Sex of Respondent(1)	.473	.327	.686
	Body weight (Kg)	1.023	1.011	1.036
	Leisure Activities (Mins/week)	.999	.998	1.000
	Anxiety Score (1985)	1.020	.932	1.116
	Depression Score (1985)	1.029	.937	1.131
	Constant	.127		

a. Variable(s) entered on step 1: Heart trouble?, Sex of Respondent, Body weight (Kg), Leisure Activities (Mins/week), Anxiety Score (1985), Depression Score (1985).

Step number: 1

Observed Groups and Predicted Probabilities



Casewise List^b

Case	Selected Status ^a	Observed High blood pressure?	Predicted	Predicted Group	Temporary Variable	
					Resid	ZResid
1	S	Y**	.123	N	.877	2.667
8	S	Y**	.132	N	.868	2.565
27	S	Y**	.114	N	.886	2.789
45	S	Y**	.110	N	.890	2.850
61	S	Y**	.094	N	.906	3.101
77	S	Y**	.130	N	.870	2.592
78	S	Y**	.085	N	.915	3.278
89	S	Y**	.115	N	.885	2.773
122	S	Y**	.100	N	.900	3.002
137	S	Y**	.142	N	.858	2.459
158	S	Y**	.108	N	.892	2.880
174	S	Y**	.134	N	.866	2.537
281	S	Y**	.127	N	.873	2.618
283	S	Y**	.114	N	.886	2.788
302	S	Y**	.117	N	.883	2.752
366	S	Y**	.135	N	.865	2.529
381	S	Y**	.135	N	.865	2.529
382	S	Y**	.123	N	.877	2.670
483	S	Y**	.114	N	.886	2.790
707	S	Y**	.124	N	.876	2.653

Casewise List^b

Temporary .	
Case	SResid
1	2.050
8	2.017
27	2.088
45	2.121
61	2.185
77	2.026
78	2.229
89	2.084
122	2.153
137	2.003
158	2.117
174	2.009
281	2.034
283	2.088
302	2.076
366	2.004
381	2.004
382	2.050
483	2.098
707	2.047

a. S = Selected, U = Unselected cases, and ** = Misclassified cases.

b. Cases with studentized residuals greater than 2.000 are listed.