

```

EXAMINE VARIABLES=pretest posttes
/PLOT BOXPLOT STEMLEAF NPLOT
/COMPARE GROUP
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE

/NOTOTAL.

```

## Explore

### Notes

Output Created		10-Nov-2017 13:04:04
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
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		<pre> EXAMINE VARIABLES=pretest posttes /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUP /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL. </pre>
Resources	Processor Time	00:00:04.010
	Elapsed Time	00:00:03.931

[DataSet0]

**Case Processing Summary**

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pretest	10	100.0%	0	.0%	10	100.0%
posttes	10	100.0%	0	.0%	10	100.0%

**Descriptives**

		Statistic	Std. Error	
pretest	Mean	42.70	2.176	
	95% Confidence Interval for Mean	Lower Bound	37.78	
		Upper Bound	47.62	
	5% Trimmed Mean	42.28		
	Median	40.00		
	Variance	47.344		
	Std. Deviation	6.881		
	Minimum	36		
	Maximum	57		
	Range	21		
	Interquartile Range	11		
	Skewness	1.068	.687	
	Kurtosis	.434	1.334	
posttes	Mean	72.90	1.027	
	95% Confidence Interval for Mean	Lower Bound	70.58	
		Upper Bound	75.22	
	5% Trimmed Mean	72.67		
	Median	72.50		
	Variance	10.544		
	Std. Deviation	3.247		
	Minimum	70		
	Maximum	80		
	Range	10		

Interquartile Range	5	
Skewness	1.134	.687
Kurtosis	1.285	1.334

#### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
pretest	.205	10	.200*	.874	10	.110
posttes	.214	10	.200*	.851	10	.059

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

## posttes

posttes Stem-and-Leaf Plot

```

Frequency      Stem & Leaf
      7,00      7 . 0000234
      2,00      7 . 55
      1,00      8 . 0

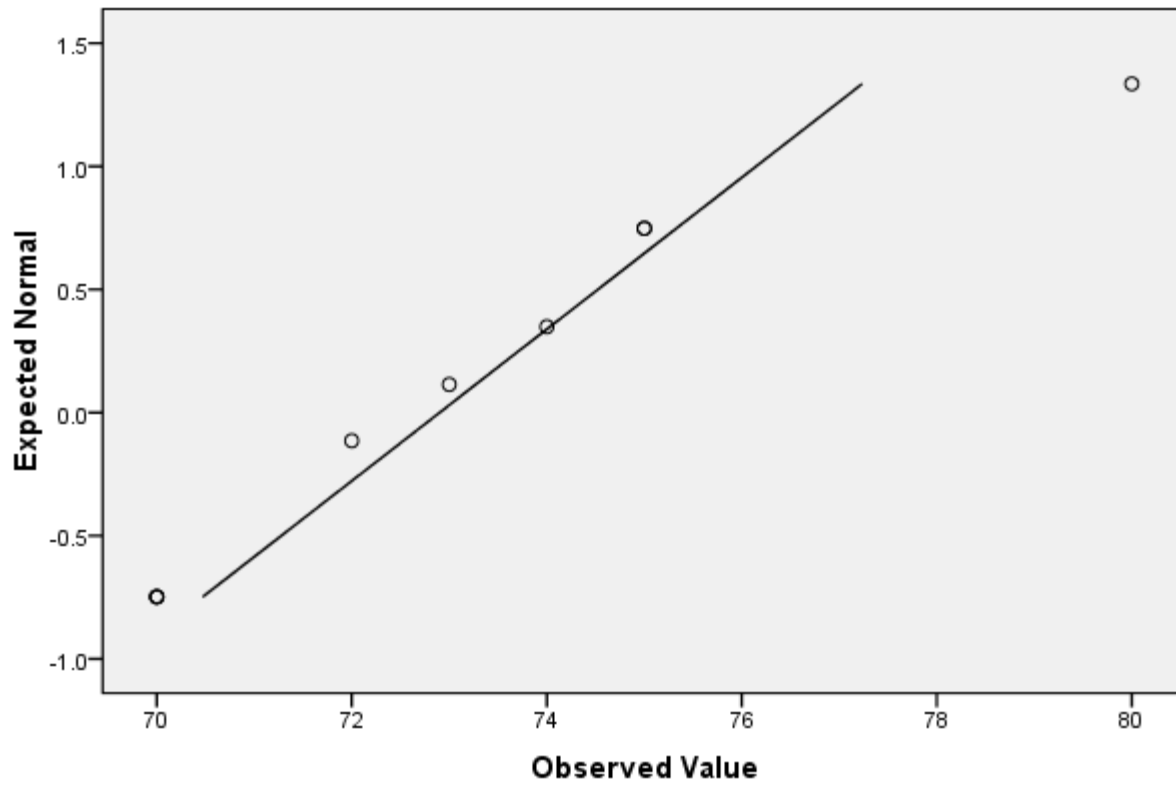
```

```

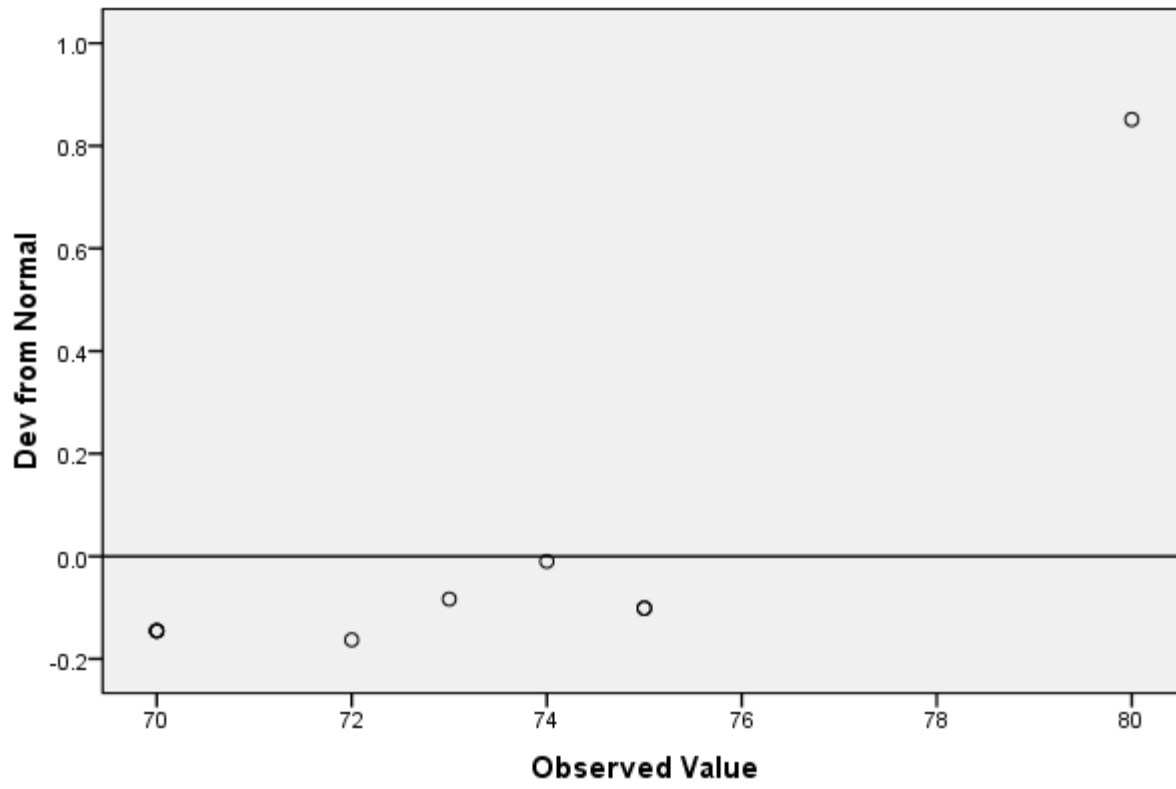
Stem width:      10
Each leaf:      1 case(s)

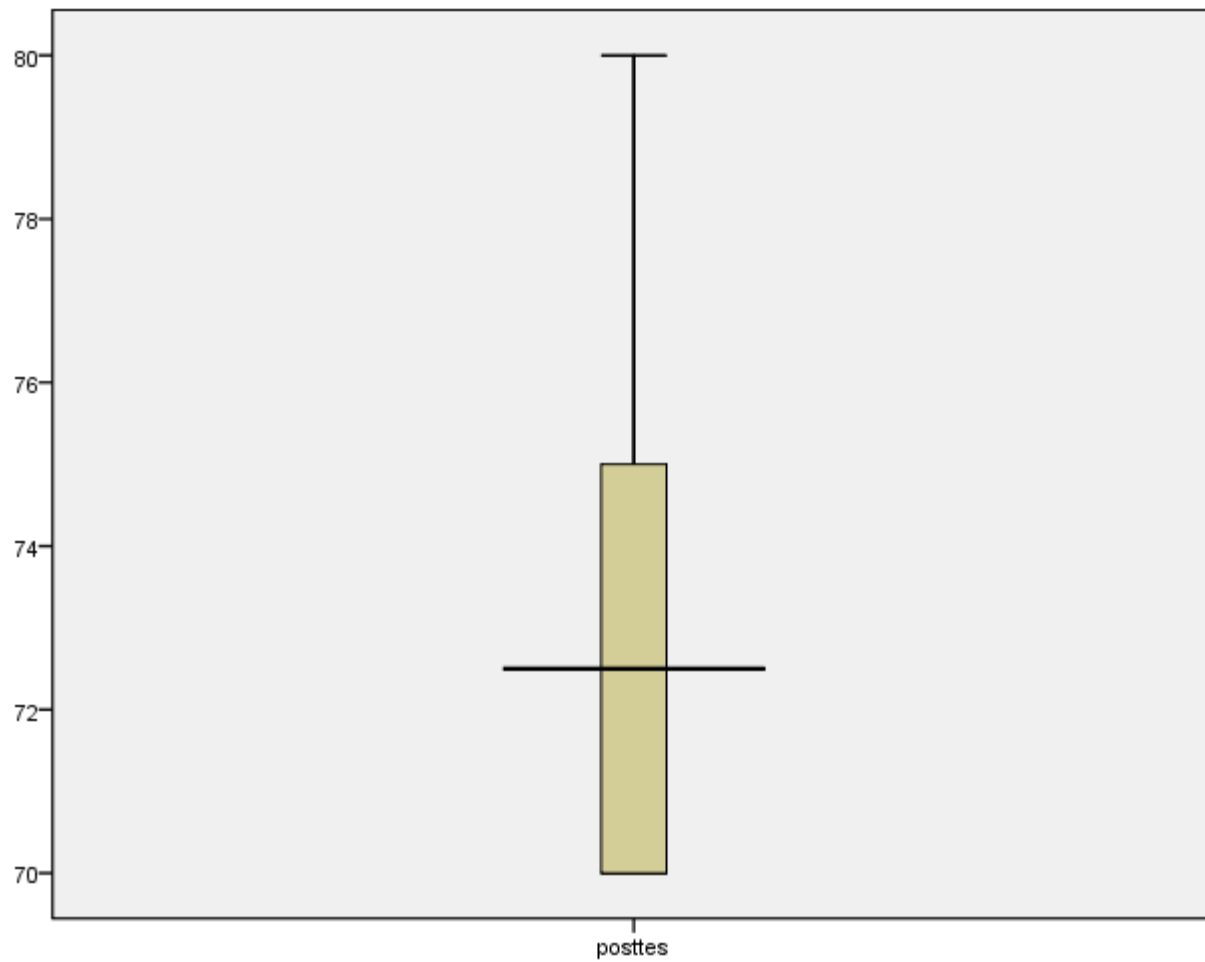
```

Normal Q-Q Plot of posttes



Detrended Normal Q-Q Plot of posttes





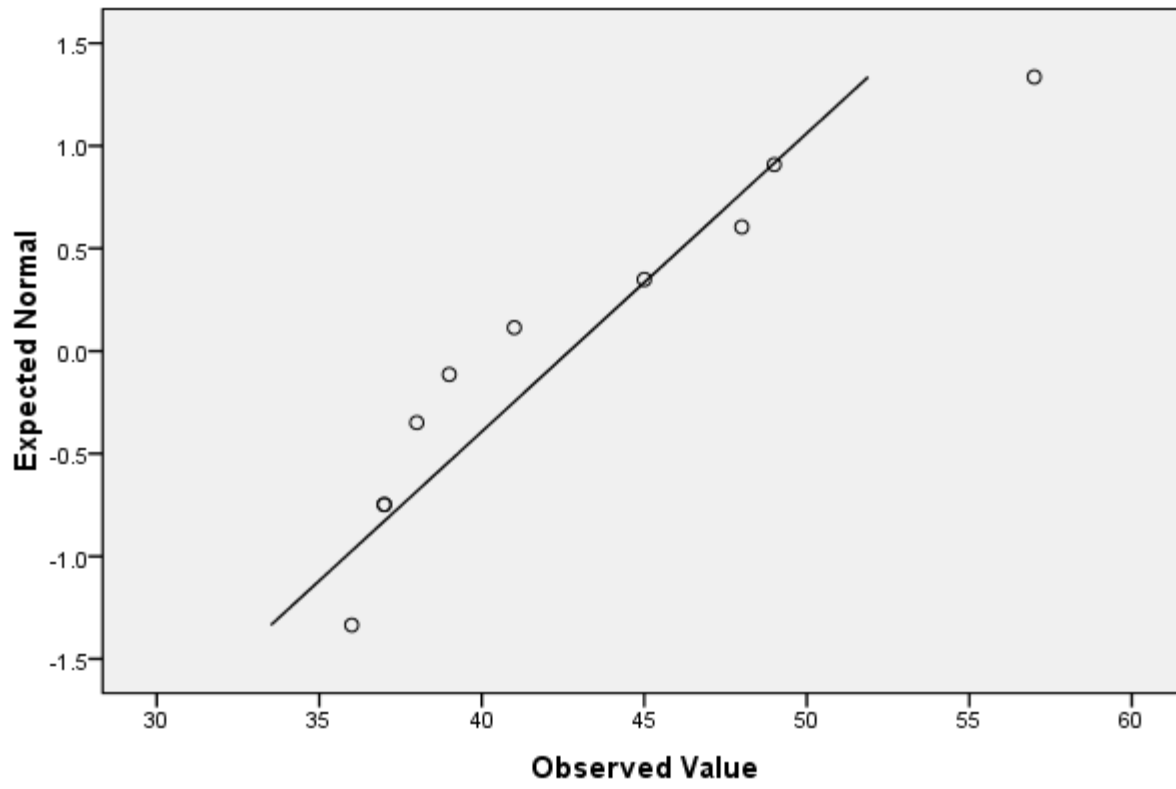
## pretest

pretest Stem-and-Leaf Plot

Frequency	Stem &	Leaf
5,00	3 .	67789
1,00	4 .	1
3,00	4 .	589
,00	5 .	
1,00	5 .	7

Stem width: 10  
 Each leaf: 1 case(s)

Normal Q-Q Plot of pretest



Detrended Normal Q-Q Plot of pretest

