

GET

```
FILE='C:\Documents and Settings\BuroK\Desktop\Prestige.sav'.  
DESCRIPTIVES VARIABLES=prestige education income women  
/STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Notes

Input	Output Created	02-Dec-2011 12:08:06
	Comments	
	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	N of Rows in Working Data File	102
	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Resources	Syntax	DESCRIPTIVES VARIABLES=prestige education income women /STATISTICS=MEAN STDDEV MIN MAX.
	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
prestige	102	14.8	87.2	46.833	17.2045
education	102	6.38	15.97	10.7380	2.72844
income	102	611	25879	6797.90	4245.922
women	102	.00	97.51	28.9790	31.72493
Valid N (listwise)	102				

GRAPH

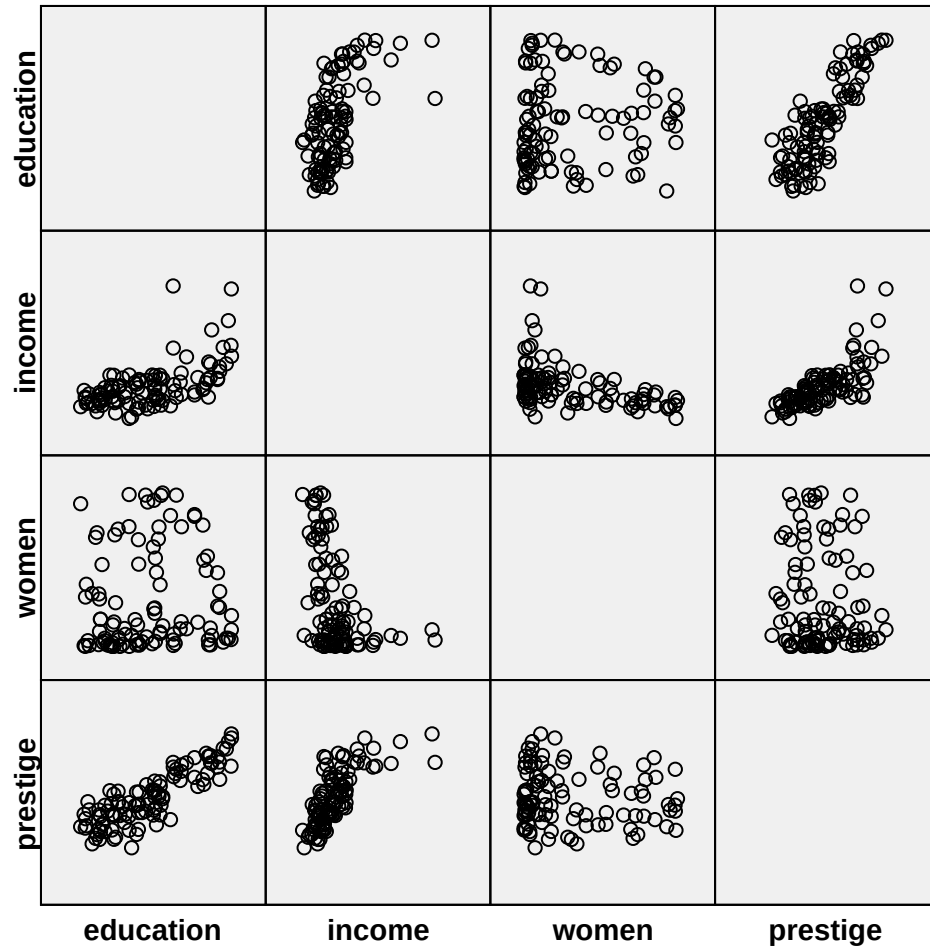
```
/SCATTERPLOT(MATRIX)=education income women prestige  
/MISSING=LISTWISE.
```

Graph

Notes

Input	Output Created	02-Dec-2011 12:16:45	
	Comments		
	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav	
	Active Dataset	DataSet1	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File	102	
Resources	Syntax	GRAPH /SCATTERPLOT(MATRIX) =education income women prestige /MISSING=LISTWISE.	
	Processor Time	0:00:00.687	
	Elapsed Time	0:00:00.688	

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav



```

COMPUTE loginc=LN(income).
EXECUTE.
GRAPH
  /SCATTERPLOT(BIVAR)=loginc WITH prestige
  /MISSING=LISTWISE.

```

Graph

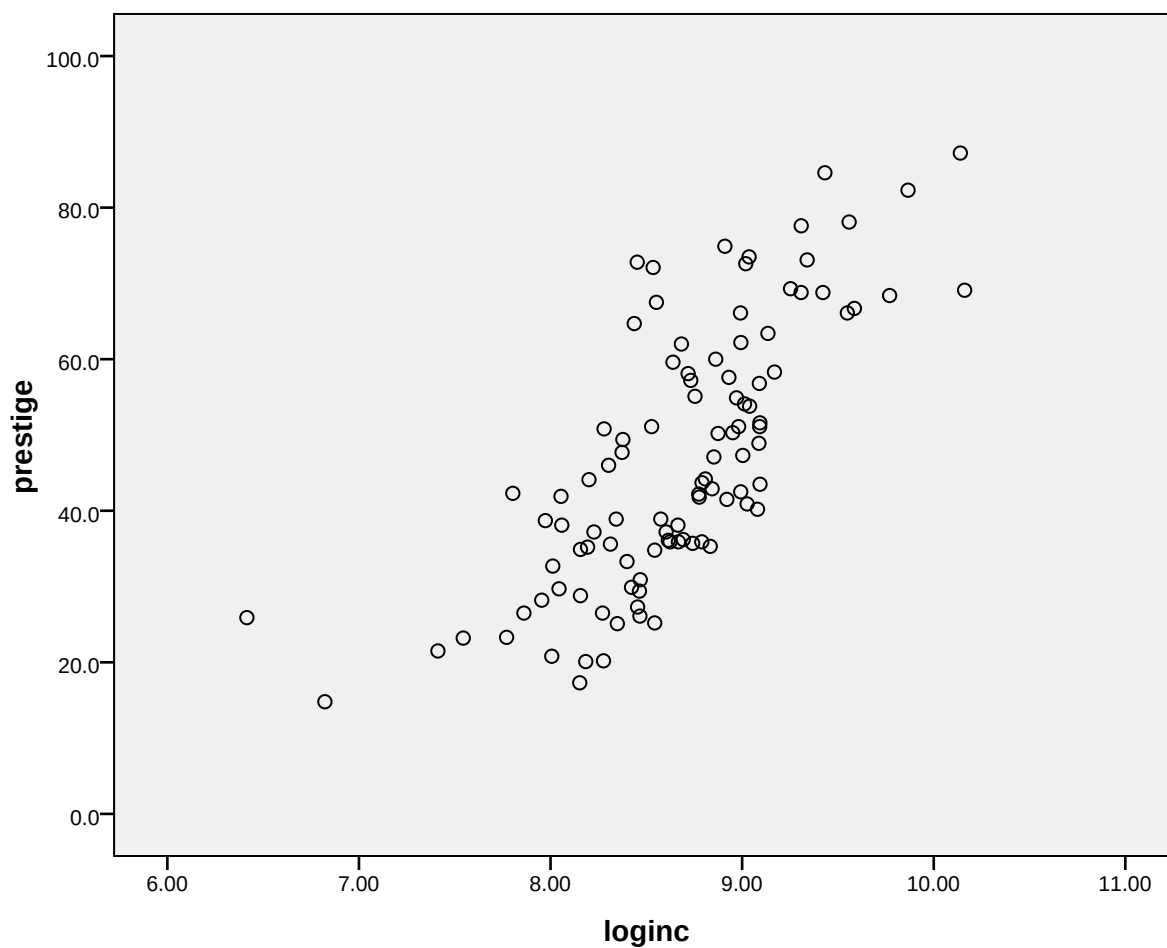
Notes

Output Created	02-Dec-2011 12:19:57
Comments	

Notes

Input	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	102
	Syntax	GRAPH /SCATTERPLOT(BIVAR)=loginc WITH prestige /MISSING=LISTWISE.
Resources	Processor Time	0:00:00.266
	Elapsed Time	0:00:00.264

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav



REGRESSION

```

/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT prestige
/METHOD=ENTER education women loginc dummy.prof dummy.wc.

```

Regression

Notes		
Input	Output Created	02-Dec-2011 12:21:45
	Comments	
	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	N of Rows in Working Data File	102
	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
	Syntax	REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT prestige /METHOD=ENTER education women loginc dummy.prof dummy.wc.
Resources	Processor Time	0:00:00.016
	Elapsed Time	0:00:00.014
	Memory Required	2828 bytes
	Additional Memory Required for Residual Plots	0 bytes

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	dummy.wc, education, women, loginc, dummy.prof ^a	.	Enter

a. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.926 ^a	.858	.850	6.6539

a. Predictors: (Constant), dummy.wc, education, women, loginc, dummy.prof

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	25645.130	5	5129.026	115.848	.000 ^a
	Residual	4250.296	96	44.274		
	Total	29895.427	101			

a. Predictors: (Constant), dummy.wc, education, women, loginc, dummy.prof

b. Dependent Variable: prestige

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	-101.671	15.344		-6.626	.000
	education	3.056	.564	.485	5.422	.000
	women	.072	.030	.133	2.394	.019
	loginc	13.026	1.825	.448	7.138	.000
	dummy.prof	5.350	3.506	.144	1.526	.130
	dummy.wc	-3.736	2.381	-.091	-1.569	.120

a. Dependent Variable: prestige

```
EXAMINE VARIABLES=prestige BY type
/PLOT=BOXPLOT
/STATISTICS=NONE
/NOTOTAL.
```

Explore

Notes

Input	Output Created	02-Dec-2011 12:30:55
	Comments	
	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	N of Rows in Working Data File	102
	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=prestige BY type /PLOT=BOXPLOT /STATISTICS=NONE /NOTOTAL.
Resources	Processor Time	0:00:00.281
	Elapsed Time	0:00:00.282

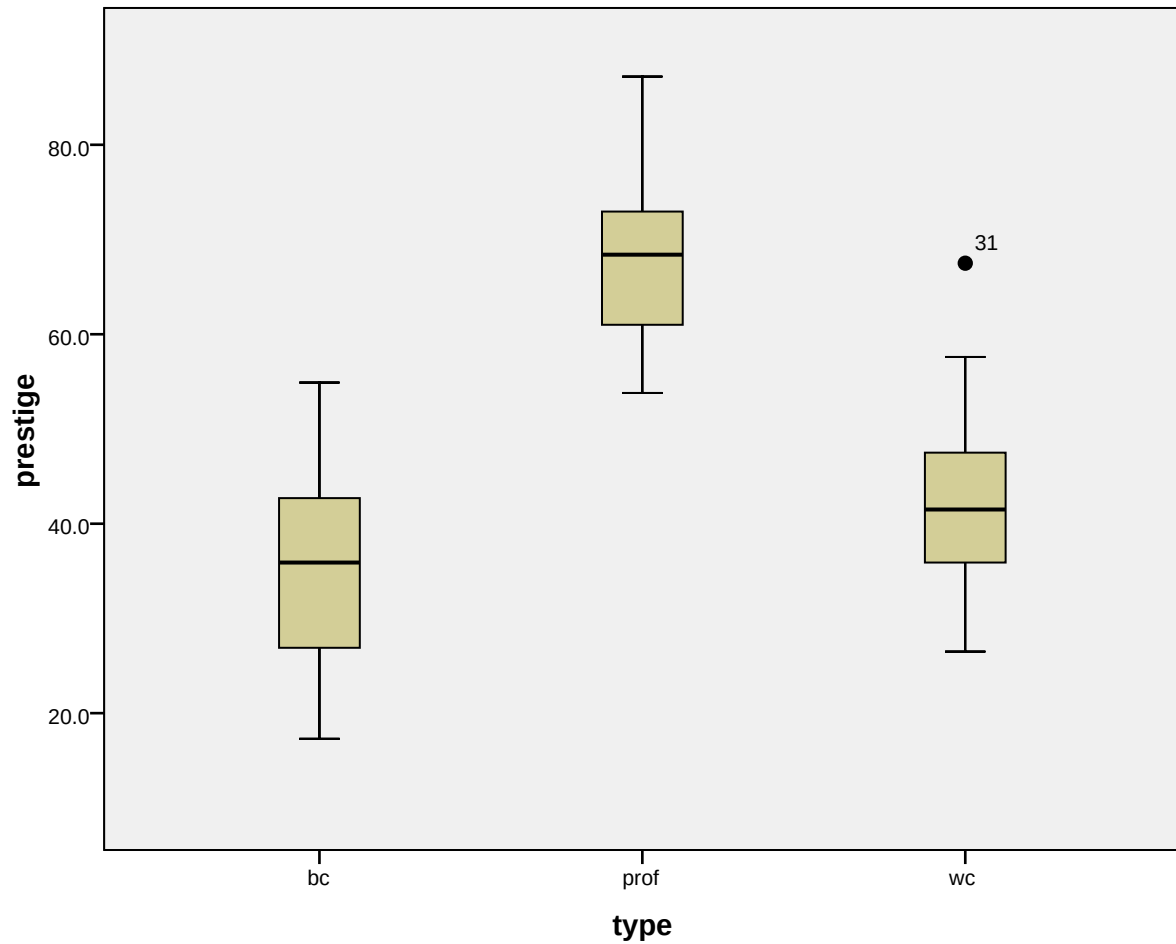
[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

type

Case Processing Summary

		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
prestige	bc	44	100.0%	0	.0%	44	100.0%
	prof	31	100.0%	0	.0%	31	100.0%
	wc	23	100.0%	0	.0%	23	100.0%

prestige



REGRESSION

```

/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT prestige
/METHOD=FORWARD education women loginc dummy.prof dummy.wc.

```

Regression

Notes

Output Created	02-Dec-2011 12:38:26
Comments	

Notes

Input	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	N of Rows in Working Data File	102
	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
	Syntax	REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT prestige /METHOD=FORWARD education women loginc dummy.prof dummy.wc.
Resources	Processor Time	0:00:00.016
	Elapsed Time	0:00:00.014
	Memory Required	2828 bytes
	Additional Memory Required for Residual Plots	0 bytes

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	education	.	Forward (Criterion: Probability-of- F-to-enter <= . 050)
2	loginc	.	Forward (Criterion: Probability-of- F-to-enter <= . 050)
3	dummy.prof	.	Forward (Criterion: Probability-of- F-to-enter <= . 050)

a. Dependent Variable: prestige

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.850 ^a	.723	.720	9.1033
2	.912 ^b	.831	.828	7.1447
3	.921 ^c	.849	.844	6.7981

a. Predictors: (Constant), education

b. Predictors: (Constant), education, loginc

c. Predictors: (Constant), education, loginc, dummy.prof

ANOVA^d

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	21608.437	1	21608.437	260.751	.000 ^a
	Residual	8286.990	100	82.870		
	Total	29895.427	101			
2	Regression	24841.788	2	12420.894	243.323	.000 ^b
	Residual	5053.639	99	51.047		
	Total	29895.427	101			
3	Regression	25366.468	3	8455.489	182.964	.000 ^c
	Residual	4528.959	98	46.214		
	Total	29895.427	101			

a. Predictors: (Constant), education

b. Predictors: (Constant), education, loginc

c. Predictors: (Constant), education, loginc, dummy.prof

d. Dependent Variable: prestige

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	-10.732	3.677		-2.919	.004
	education	5.361	.332	.850	16.148	.000
2	(Constant)	-95.194	10.998		-8.656	.000
	education	4.002	.312	.635	12.846	.000
	loginc	11.437	1.437	.393	7.959	.000
3	(Constant)	-76.865	11.794		-6.517	.000
	education	2.927	.436	.464	6.721	.000
	loginc	10.348	1.405	.356	7.364	.000
	dummy.prof	8.731	2.591	.235	3.369	.001

a. Dependent Variable: prestige

Excluded Variables^d

						Collinearity Statistics
Model		Beta In	t	Sig.	Partial Correlation	Tolerance
1	women	-.172 ^a	-3.422	.001	-.325	.996
	loginc	.393 ^a	7.959	.000	.625	.700
	dummy.prof	.353 ^a	4.197	.000	.389	.337
	dummy.wc	-.193 ^a	-3.918	.000	-.366	.997
2	women	.086 ^b	1.568	.120	.156	.554
	dummy.prof	.235 ^b	3.369	.001	.322	.319
	dummy.wc	-.115 ^b	-2.771	.007	-.270	.929
3	women	.102 ^c	1.943	.055	.194	.550
	dummy.wc	-.041 ^c	-.734	.465	-.074	.505

a. Predictors in the Model: (Constant), education

b. Predictors in the Model: (Constant), education, loginc

c. Predictors in the Model: (Constant), education, loginc, dummy.prof

d. Dependent Variable: prestige

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT prestige

/METHOD=ENTER education loginc dummy.prof dummy.wc

/SAVE ZRESID.

Regression

Notes

Output Created		02-Dec-2011 12:43:26
Comments		
Input	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	102

Notes

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
	Syntax	REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT prestige /METHOD=ENTER education loginc dummy.prof dummy.wc /SAVE ZRESID.
Resources	Processor Time	0:00:00.015
	Elapsed Time	0:00:00.015
	Memory Required	2484 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	ZRE_1	Standardized Residual

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	dummy.wc, education, loginc, dummy.prof ^a	.	Enter

a. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.922 ^a	.849	.843	6.8141

a. Predictors: (Constant), dummy.wc, education, loginc, dummy.prof

b. Dependent Variable: prestige

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig. ^a
1	Regression	25391.489	4	6347.872	136.712	.000 ^a
	Residual	4503.938	97	46.432		

a. Predictors: (Constant), dummy.wc, education, loginc, dummy.prof

b. Dependent Variable: prestige

ANOVA^b

Model	Sum of Squares	df
1 Total	29895.427	101

b. Dependent Variable: prestige

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	-77.583	11.862		-6.540	.000
	education	3.200	.574	.508	5.577	.000
	loginc	10.196	1.423	.351	7.163	.000
	dummy.prof	6.985	3.522	.188	1.983	.050
	dummy.wc	-1.668	2.272	-.041	-.734	.465

a. Dependent Variable: prestige

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	18.102	83.857	46.833	15.8556	102
Residual	-13.8077	18.6150	.0000	6.6778	102
Std. Predicted Value	-1.812	2.335	.000	1.000	102
Std. Residual	-2.026	2.732	.000	.980	102

a. Dependent Variable: prestige

PLOT

```

/VARIABLES=ZRE_1
/NOLOG
/NOSTANDARDIZE
/TYPE=Q-Q
/FRACTION=BL0M
/TIES=MEAN
/DIST=NORMAL.

```

PPlot**Notes**

Output Created	02-Dec-2011 12:44:34
Comments	

Notes

Input	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	102
Missing Value Handling	Date	<none>
	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	For a given sequence or time series variable, cases with missing values are not used in the analysis. Cases with negative or zero values are also not used, if the log transform is requested.
Resources	Syntax	PPLOT /VARIABLES=ZRE_1 /NOLOG /NOSTANDARDIZE /TYPE=Q-Q /FRACTION=BLOM /TIES=MEAN /DIST=NORMAL.
	Processor Time	0:00:00.515
	Elapsed Time	0:00:00.500
Use	From	First observation
	To	Last observation

Notes

Time Series Settings (TSET)	Amount of Output	PRINT = DEFAULT
	Saving New Variables	NEWVAR = CURRENT
	Maximum Number of Lags in Autocorrelation or Partial Autocorrelation Plots	MXAUTO = 16
	Maximum Number of Lags Per Cross- Correlation Plots	MXCROSS = 7
	Maximum Number of New Variables Generated Per Procedure	MXNEWVAR = 60
	Maximum Number of New Cases Per Procedure	MXPREDICT = 1000
	Treatment of User- Missing Values	MISSING = EXCLUDE
	Confidence Interval Percentage Value	CIN = 95
	Tolerance for Entering Variables in Regression Equations	TOLER = .0001
	Maximum Iterative Parameter Change	CNVERGE = .001
	Method of Calculating Std. Errors for Autocorrelations	ACFSE = IND
	Length of Seasonal Period	Unspecified
	Variable Whose Values Label Observations in Plots	Unspecified
	Equations Include	CONSTANT

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

Model Description

Series or Sequence	Model Name	MOD_1
	1	Standardized Residual
	Transformation	None
	Non-Seasonal Differencing	0
	Seasonal Differencing	0
Distribution	Length of Seasonal Period	No periodicity
	Standardization	Not applied
	Type	Normal
	Location	estimated
	Scale	estimated

Applying the model specifications from MOD_1

Model Description

Fractional Rank Estimation Method	Blom's
Rank Assigned to Ties	Mean rank of tied values

Applying the model specifications from MOD_1

Case Processing Summary

		Standardized Residual
Series or Sequence Length		102
Number of Missing Values in the Plot	User-Missing	0
	System-Missing	0

The cases are unweighted.

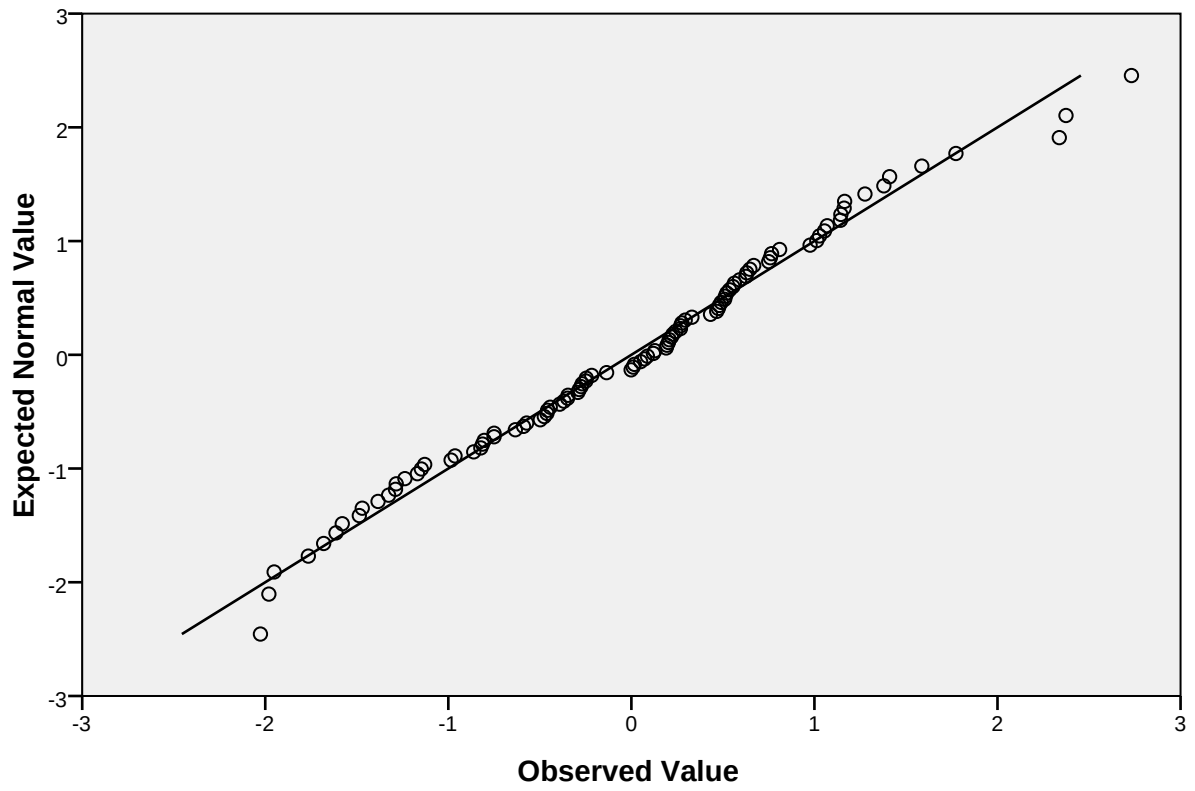
Estimated Distribution Parameters

		Standardized Residual
Normal Distribution	Location	.0000000
	Scale	.97999798

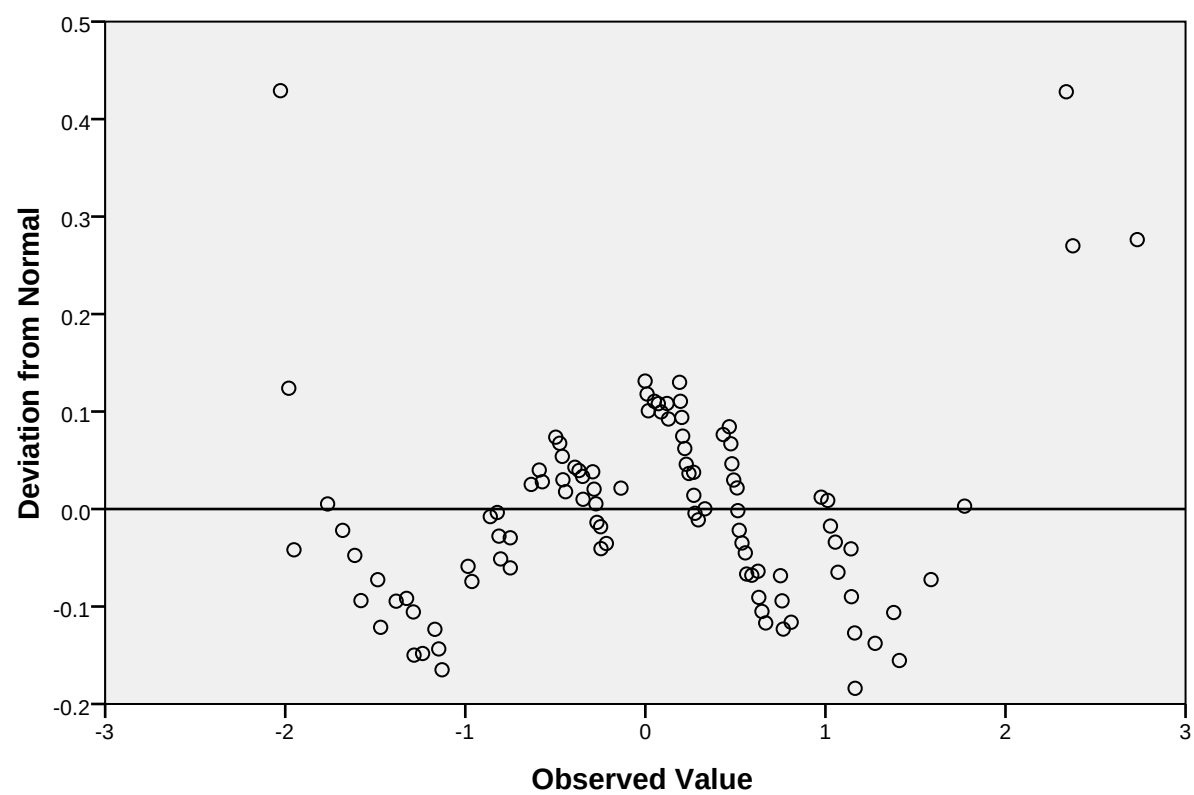
The cases are unweighted.

Standardized Residual

Normal Q-Q Plot of Standardized Residual



Detrended Normal Q-Q Plot of Standardized Residual



GRAPH
/HISTOGRAM=ZRE_1.

Graph

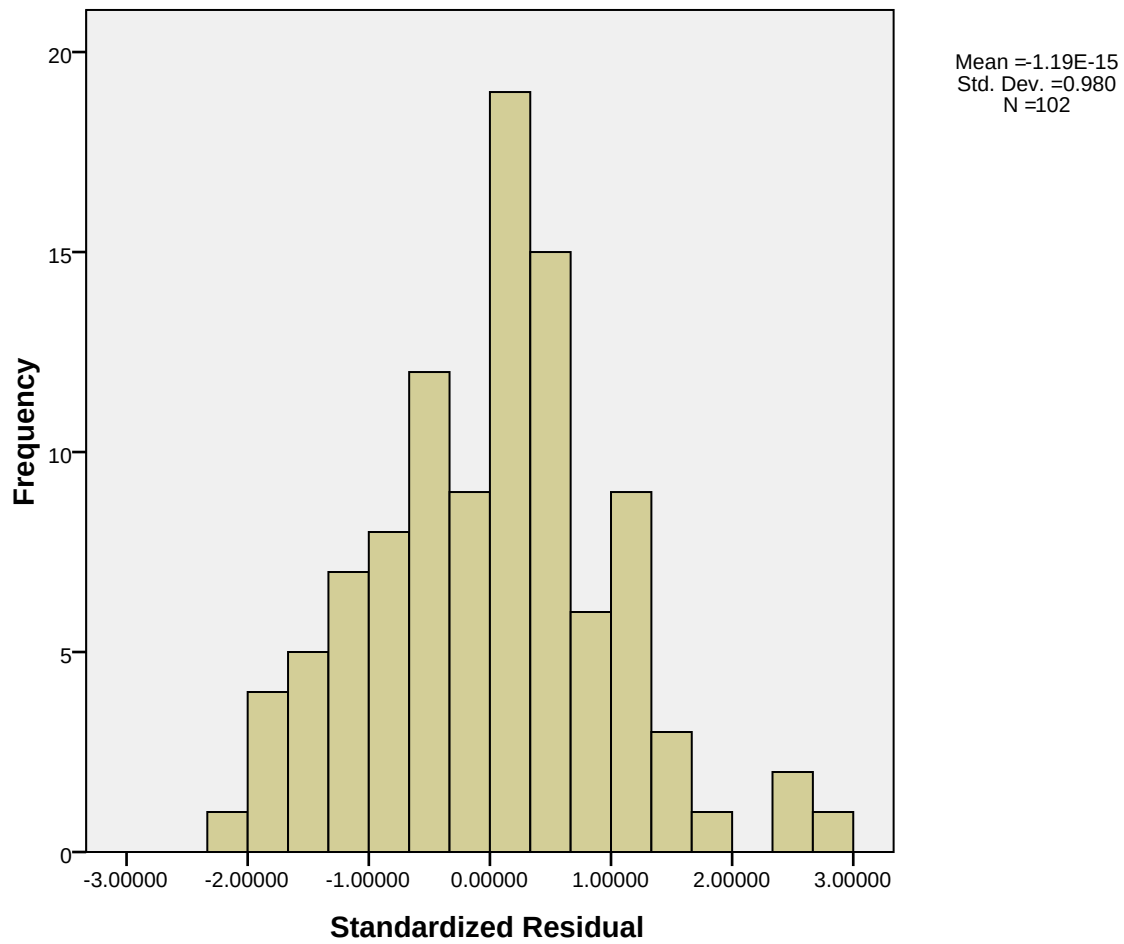
Notes

Input	Output Created	02-Dec-2011 12:45:56
	Comments	
	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	102

Notes

	Syntax	GRAPH /HISTOGRAM=ZRE_1.
Resources	Processor Time	0:00:00.250
	Elapsed Time	0:00:00.250

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav



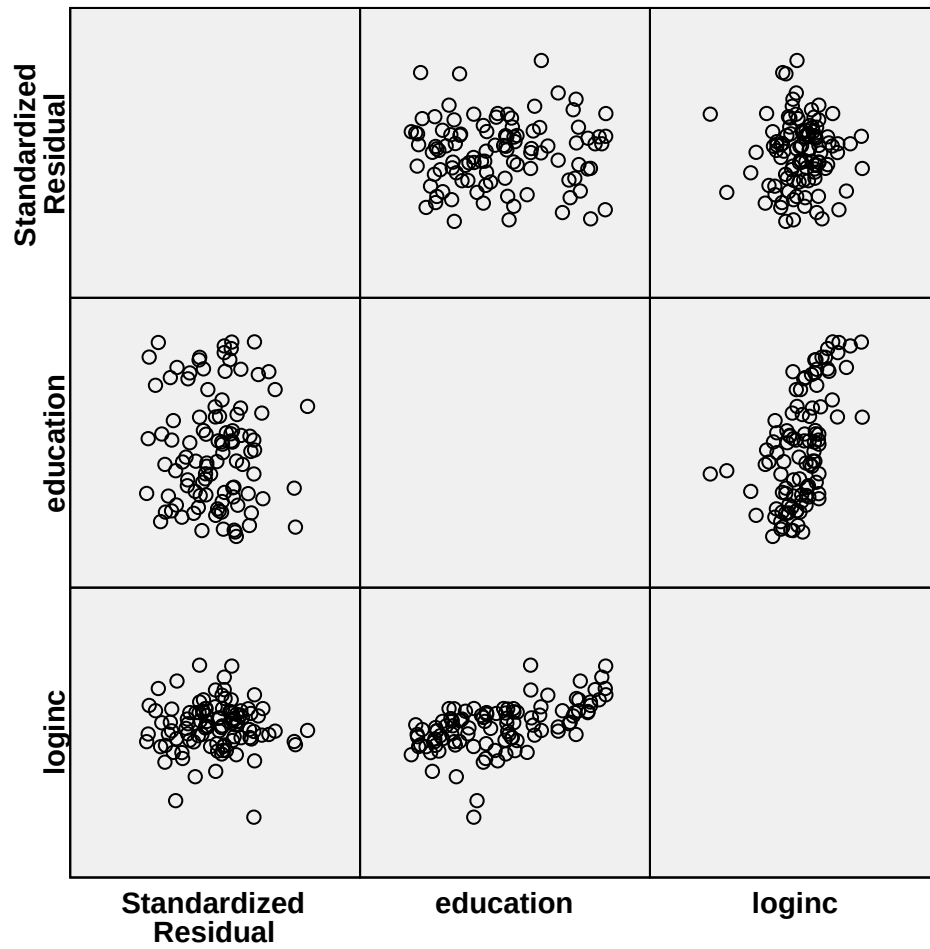
GRAPH
/SCATTERPLOT(MATRIX)=ZRE_1 education loginc
/MISSING=LISTWISE.

Graph

Notes

Input	Output Created	02-Dec-2011 12:47:36	
	Comments		
	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav	
	Active Dataset	DataSet1	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File	102	
Resources	Syntax	GRAPH /SCATTERPLOT(MATRIX)=ZRE_1 education loginc /MISSING=LISTWISE.	
	Processor Time	0:00:00.219	
	Elapsed Time	0:00:00.219	

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav



```
EXAMINE VARIABLES=ZRE_1 BY type
/PLOT=BOXPLOT
/STATISTICS=NONE
/NOTOTAL.
```

Explore

Notes

Output Created	02-Dec-2011 12:49:16
Comments	

Notes

Input	Data	C:\Documents and Settings\BuroK\Desktop\Prestige.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	N of Rows in Working Data File	102
	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=ZRE_1 BY type /PLOT=BOXPLOT /STATISTICS=NONE /NOTOTAL.
Resources	Processor Time	0:00:00.250
	Elapsed Time	0:00:00.250

[DataSet1] C:\Documents and Settings\BuroK\Desktop\Prestige.sav

type

Case Processing Summary

		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Standardized Residual	bc	44	100.0%	0	.0%	44	100.0%
	prof	31	100.0%	0	.0%	31	100.0%
	wc	23	100.0%	0	.0%	23	100.0%

Standardized Residual

