

▼ File: E:\cpueg.syz

Number of Variables : 8

Number of Cases : 103

SYSTAT Rectangular file E:\cpueg.syz,
Created data file Thu Jul 17 16:56:00 2014 containing variables:

\$PONTOS\$	CPUEN	CPUEB	CPUEESP	BIOTOPO	COLETA
EIXO	PTS				

▼ Multivariate Analysis of Variance

2 case(s) are deleted due to missing data.

N of Cases Processed: 101

Dependent Variable Means	
CPUEN	CPUEESP
5,002	0,306

Regression Coefficients B = (X'X) ⁻¹ X'Y		
Factor	CPUEN	CPUEESP
CONSTANT	1,825	0,566
BIOTOPO	0,748	-0,061

Information Criteria	
AIC	777,732
AIC (Corrected)	778,936
Schwarz's BIC	796,037

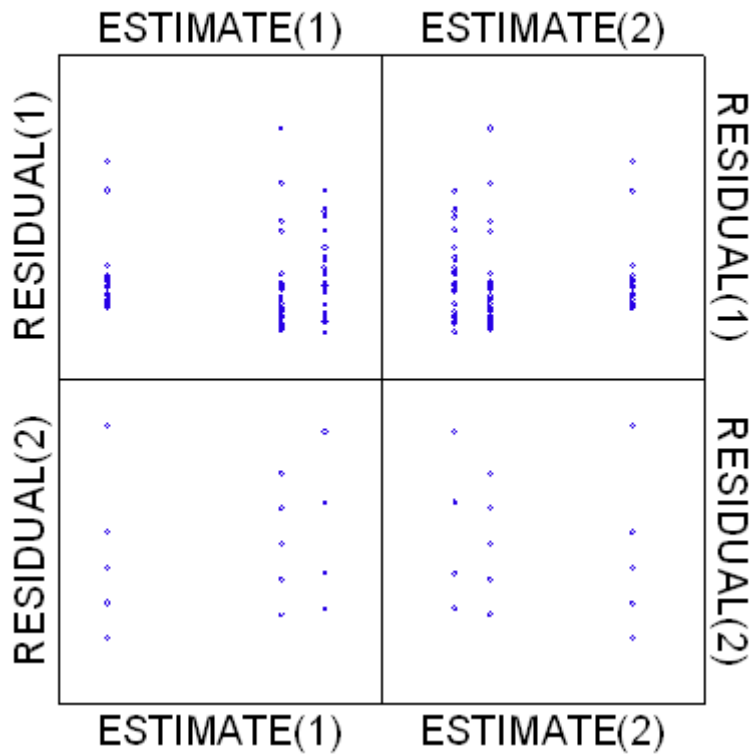
Multiple Correlations	
CPUEN	CPUEESP
0,259	0,245

Adjusted R² = 1-(1-R²)*(N-1)/df, where N = 101, and df = 99

Adjusted R ²	
CPUEN	CPUEESP
0,058	0,051

Residuals have been saved.

Plot of Residuals vs. Predicted Values



▼ Hypothesis Tests

Univariate F-Tests					
Source	Type III SS	df	Mean Squares	F-Ratio	p-Value
CPUEN	2,743,029	2	1,371,515	45,237	0,000
Error	3,001,497	99	30,318		
CPUEESP	10,906	2	5,453	23,940	0,000
Error	22,550	99	228		

Multivariate Test Statistics				
Statistic	Value	F-Ratio	df	p-Value
Wilks's Lambda	0,402	28,287	4, 196	0,000
Pillai Trace	0,665	24,646	4, 198	0,000
Hotelling-Lawley Trace	1,322	32,052	4, 194	0,000

THETA	SM	N	p-Value	
0,542	2	-0,500	48,000	0,000

▼ Multivariate Analysis of Variance

2 case(s) are deleted due to missing data.
N of Cases Processed: 101

Dependent Variable Means	
CPUEN	CPUEESP
5,002	0,306

Regression Coefficients B = (X'X) ⁻¹ X'Y		
Factor	CPUEN	CPUEESP
CONSTANT	7,456	0,451
COLETA	-0,980	-0,058

Information Criteria	
AIC	786,041
AIC (Corrected)	787,245
Schwarz's BIC	804,347

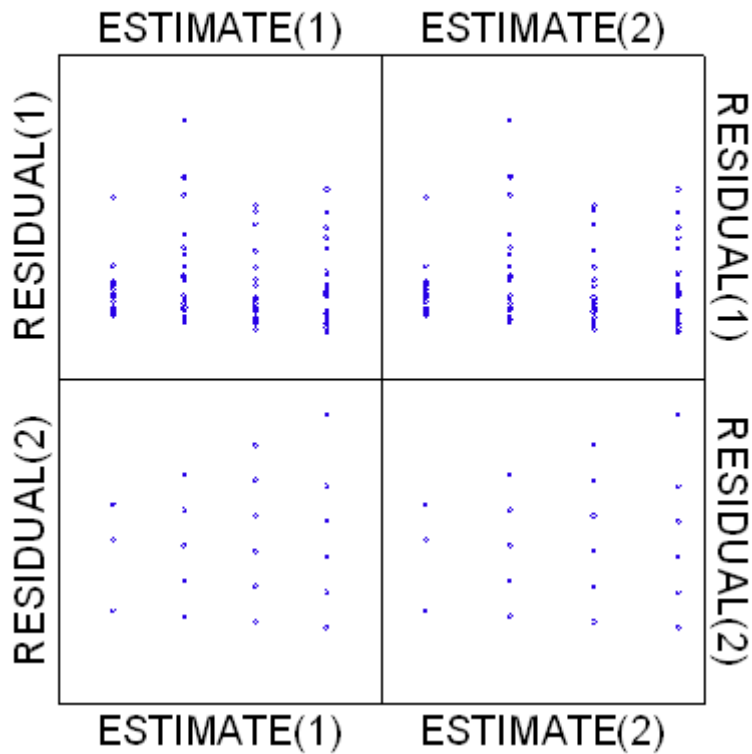
Multiple Correlations	
CPUEN	CPUEESP
0,193	0,132

Adjusted $R^2 = 1 - (1 - R^2) * (N - 1) / df$, where $N = 101$, and $df = 99$

Adjusted R^2	
CPUEN	CPUEESP
0,028	0,008

Residuals have been saved.

Plot of Residuals vs. Predicted Values



▼ Hypothesis Tests

Univariate F-Tests					
Source	Type III SS	df	Mean Squares	F-Ratio	p-Value
CPUEN	2,646,966	2	1,323,483	42,299	0,000
Error	3,097,560	99	31,288		
CPUEESP	9,879	2	4,939	20,740	0,000
Error	23,578	99	238		

Multivariate Test Statistics				
Statistic	Value	F-Ratio	df	p-Value
Wilks's Lambda	0,436	25,172	4, 196	0,000
Pillai Trace	0,564	19,421	4, 198	0,000
Hotelling-Lawley Trace	1,291	31,314	4, 194	0,000

THETA	SM	N	p-Value	
0,564	2	-0,500	48,000	0,000

▼ Multivariate Analysis of Variance

2 case(s) are deleted due to missing data.
N of Cases Processed: 101

Dependent Variable Means	
CPUEN	CPUEESP
5,002	0,306

Regression Coefficients B = (X'X) ⁻¹ X'Y		
Factor	CPUEN	CPUEESP
CONSTANT	1,196	0,398
EIXO	3,027	-0,073

Information Criteria	
AIC	785,465
AIC (Corrected)	786,669
Schwarz's BIC	803,770

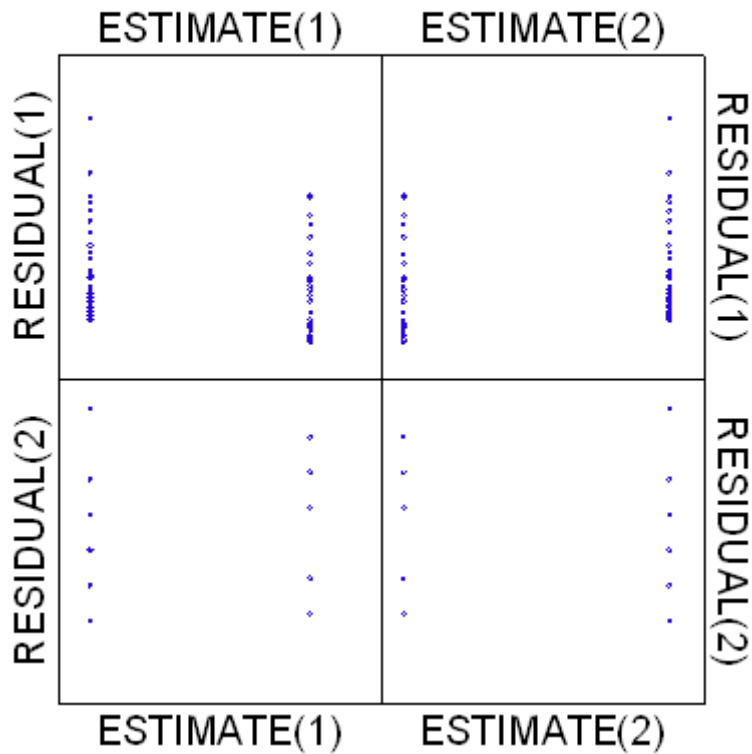
Multiple Correlations	
CPUEN	CPUEESP
0,234	0,066

Adjusted $R^2 = 1 - (1 - R^2) * (N - 1) / df$, where $N = 101$, and $df = 99$

Adjusted R^2	
CPUEN	CPUEESP
0,045	0,000

Residuals have been saved.

Plot of Residuals vs. Predicted Values



▼ Hypothesis Tests

Univariate F-Tests					
Source	Type III SS	df	Mean Squares	F-Ratio	p-Value
CPUEN	2,703,597	2	1,351,799	44,009	0,000
Error	3,040,929	9930	307,716		
CPUEESP	9,563	2	4,782	19,813	0,000
Error	23,893	990	24,124		

Multivariate Test Statistics				
Statistic	Value	F-Ratio	df	p-Value
Wilks's Lambda	0,434	25,384	4, 196	0,000
Pillai Trace	0,586	20,490	4, 198	0,000
Hotelling-Lawley Trace	1,260	30,545	4, 194	0,000

THETA	SM	N	p-Value	
0,550	2	-0,500	48,000	0,000

▼ Multivariate Analysis of Variance

2 case(s) are deleted due to missing data.
N of Cases Processed: 101

Dependent Variable Means	
CPUEN	CPUEESP
5,002	0,306

Regression Coefficients B = (X'X) ⁻¹ X'Y		
Factor	CPUEN	CPUEESP
CONSTANT	2,710	0,503
PTS	0,126	-0,011

Information Criteria	
AIC	781,060
AIC (Corrected)	782,264
Schwarz's BIC	799,366

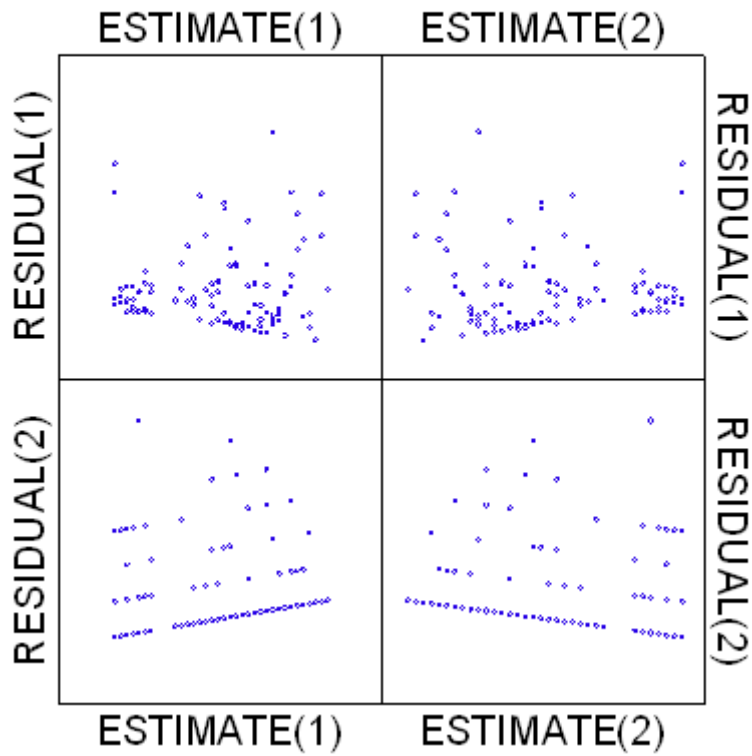
Multiple Correlations	
CPUEN	CPUEESP
0,223	0,221

Adjusted R² = 1-(1-R²)*(N-1)/df, where N = 101, and df = 99

Adjusted R ²	
CPUEN	CPUEESP
0,040	0,039

Residuals have been saved.

Plot of Residuals vs. Predicted Values



▼ Hypothesis Tests

Univariate F-Tests					
Source	Type III SS	df	Mean Squares	F-Ratio	p-Value
CPUEN	2,686,428	2	1,343,214	43,484	0,000
Error	3,058,099	99	30,890		
CPUEESP	10,636	2	5,318	23,070	0,000
Error	22,821	99	231		

Multivariate Test Statistics				
Statistic	Value	F-Ratio	df	p-Value
Wilks's Lambda	0,415	27,024	4, 196	0,000
Pillai Trace	0,637	23,117	4, 198	0,000
Hotelling-Lawley Trace	1,282	31,082	4, 194	0,000

THETA	SM	N	p-Value	
0,540	2	-0,500	48,000	0,000