

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\spl' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONF1 = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,363
Squared Multiple R		0,132
Adjusted Squared Multiple R		0,024
Standard Error of Estimate		0,527

Regression Coefficients B = (X'X)⁻¹X'Y

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	9,447	0,720	0,000	.	13,121	0,000
Y	0,030	0,027	0,363	1,000	1,103	0,302

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	0,337	1	0,337	1,217	0,302
Residual	2,219	8	0,277		

*** WARNING *** :

Case 1 has large Leverage (Leverage : 0,757)
Case 6 is an Outlier (Studentized Residual : -3,737)

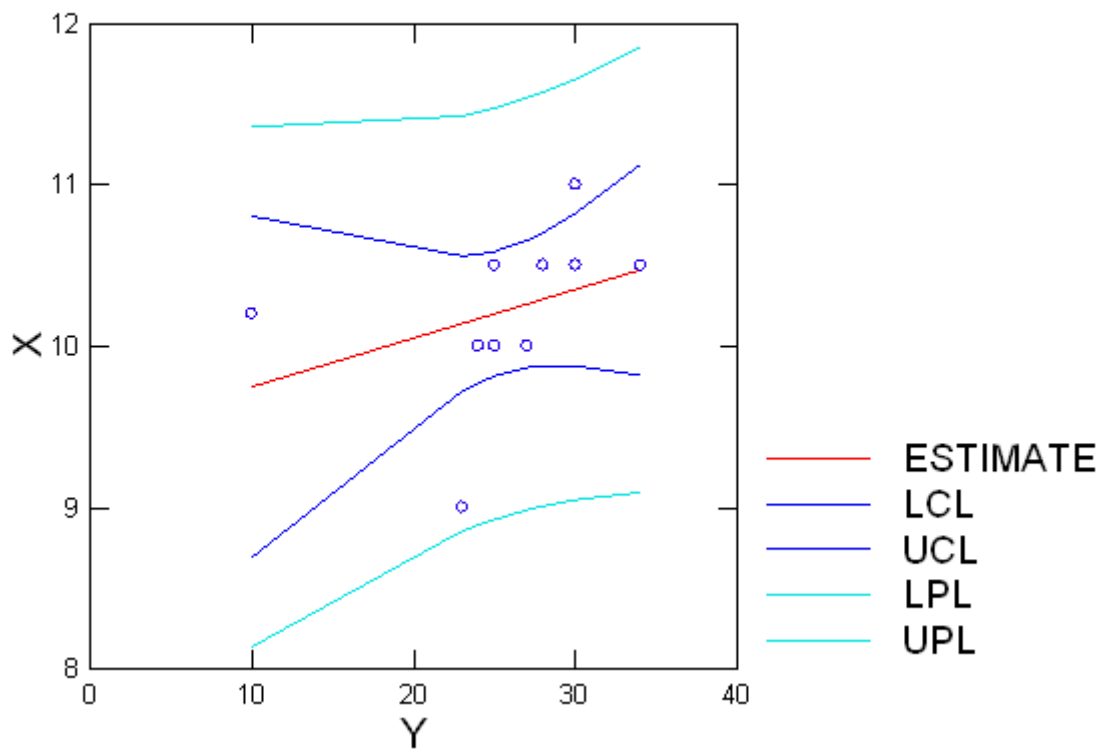
Durbin-Watson D-Statistic		1,403
First Order Autocorrelation		0,243

Information Criteria

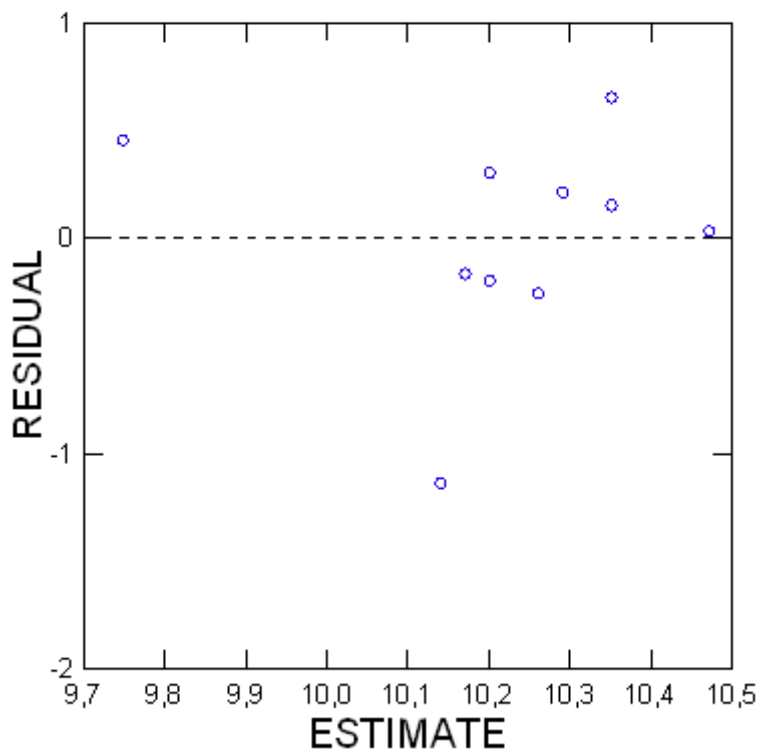
AIC		19,321
AIC (Corrected)		23,321
Schwarz's BIC		20,229

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled1.syz

*** WARNING *** : Maximum string width exceeded for one or more values. Such values have been truncated to 24 characters.

To avoid truncation, please increase the maximum string data width appropriately in the Data tab of the Edit: Options dialog box.

IMPORT successfully completed. Processed 15 variables and 86 cases.

▼ File: Untitled2.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp1' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,363
Squared Multiple R		0,132
Adjusted Squared Multiple R		0,024
Standard Error of Estimate		0,527

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	9,447	0,720	0,000	.	13,121	0,000
Y	0,030	0,027	0,363	1,000	1,103	0,302

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	0,337	1	0,337	1,217	0,302
Residual	2,219	8	0,277		

*** WARNING *** :

Case 1 has large Leverage (Leverage : 0,757)
Case 6 is an Outlier (Studentized Residual : -3,737)

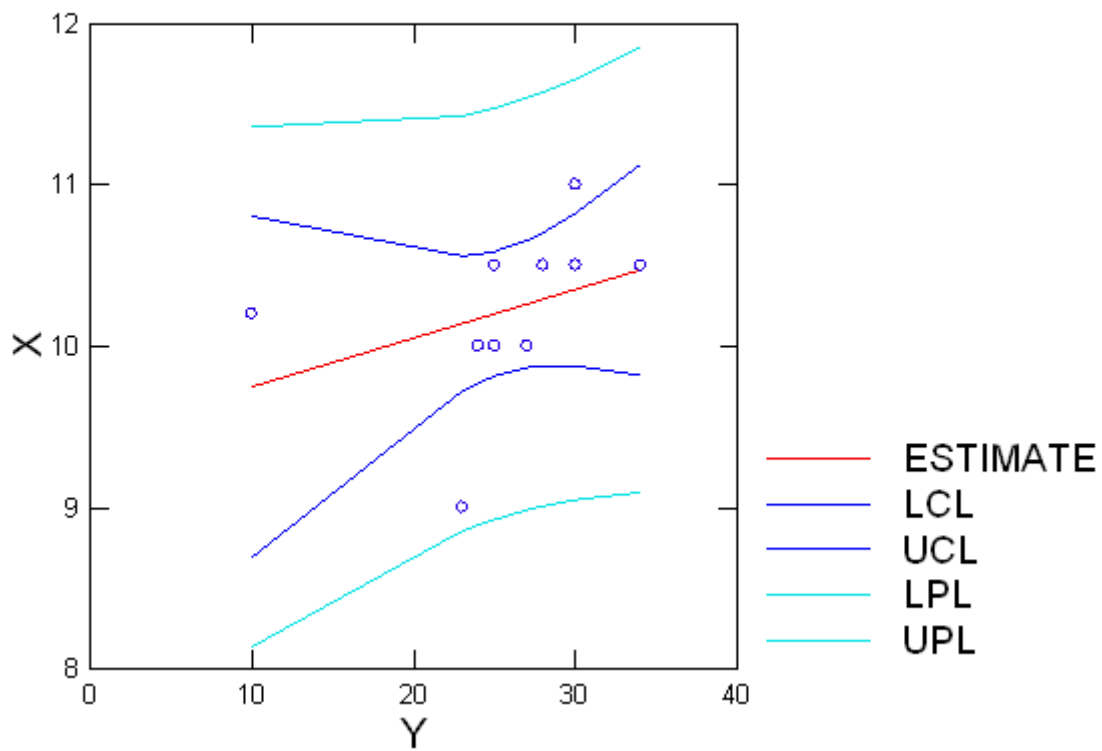
Durbin-Watson D-Statistic		1,403
First Order Autocorrelation		0,243

Information Criteria

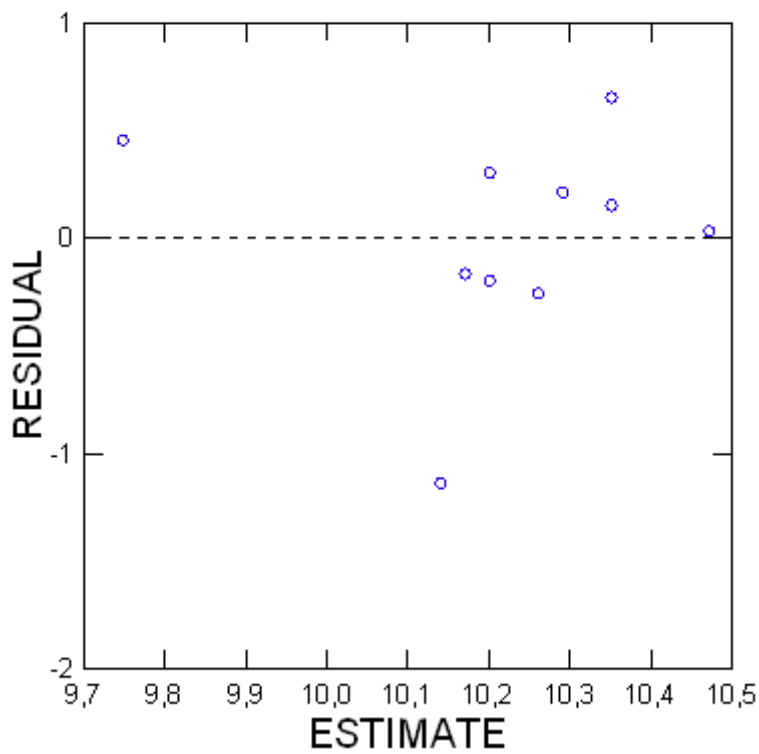
AIC		19,321
AIC (Corrected)		23,321
Schwarz's BIC		20,229

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled6.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp2' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,850
Squared Multiple R		0,722
Adjusted Squared Multiple R		0,687
Standard Error of Estimate		0,802

Regression Coefficients B = (X'X)⁻¹X'Y

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	17,247	1,212	0,000	.	14,233	0,000
Y	0,016	0,004	0,850	1,000	4,560	0,002

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	13,378	1	13,378	20,794	0,002
Residual	5,147	8	0,643		

*** WARNING *** :

Case 10 is an Outlier (Studentized Residual : 3,740)

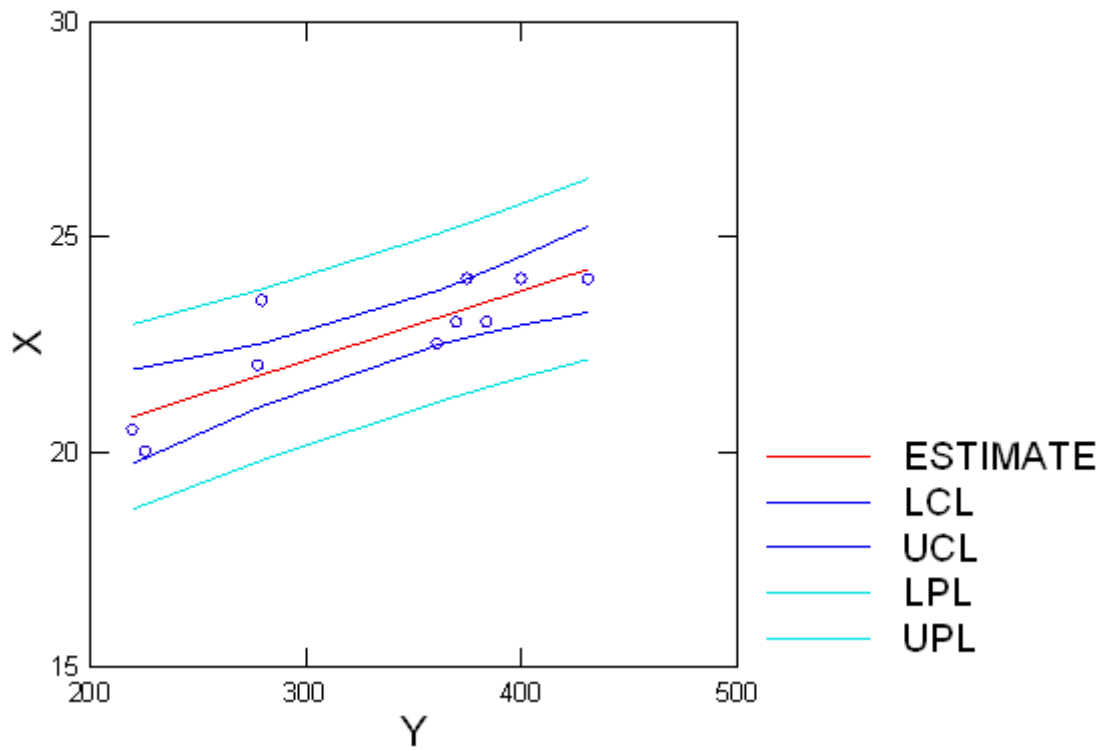
Durbin-Watson D-Statistic		1,272
First Order Autocorrelation		0,040

Information Criteria

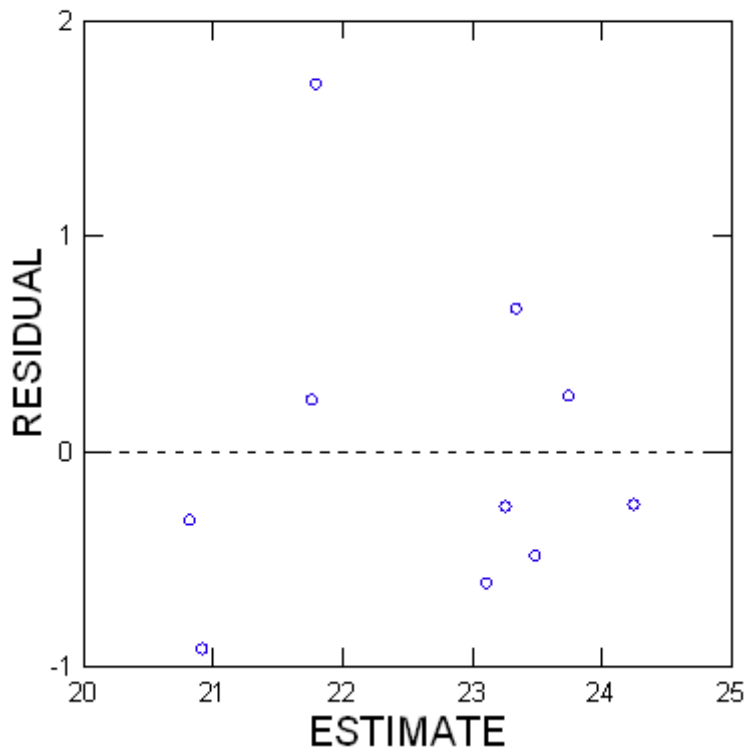
AIC		27,737
AIC (Corrected)		31,737
Schwarz's BIC		28,645

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled1.syz

*** WARNING *** : Maximum string width exceeded for one or more values. Such values have been truncated to 24 characters.

To avoid truncation, please increase the maximum string data width appropriately in the Data tab of the Edit: Options dialog box.

IMPORT successfully completed. Processed 15 variables and 86 cases.

▼ File: Untitled2.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp1' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,363
Squared Multiple R		0,132
Adjusted Squared Multiple R		0,024
Standard Error of Estimate		0,527

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	9,447	0,720	0,000	.	13,121	0,000
Y	0,030	0,027	0,363	1,000	1,103	0,302

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	0,337	1	0,337	1,217	0,302
Residual	2,219	8	0,277		

*** WARNING *** :

Case 1 has large Leverage (Leverage : 0,757)
Case 6 is an Outlier (Studentized Residual : -3,737)

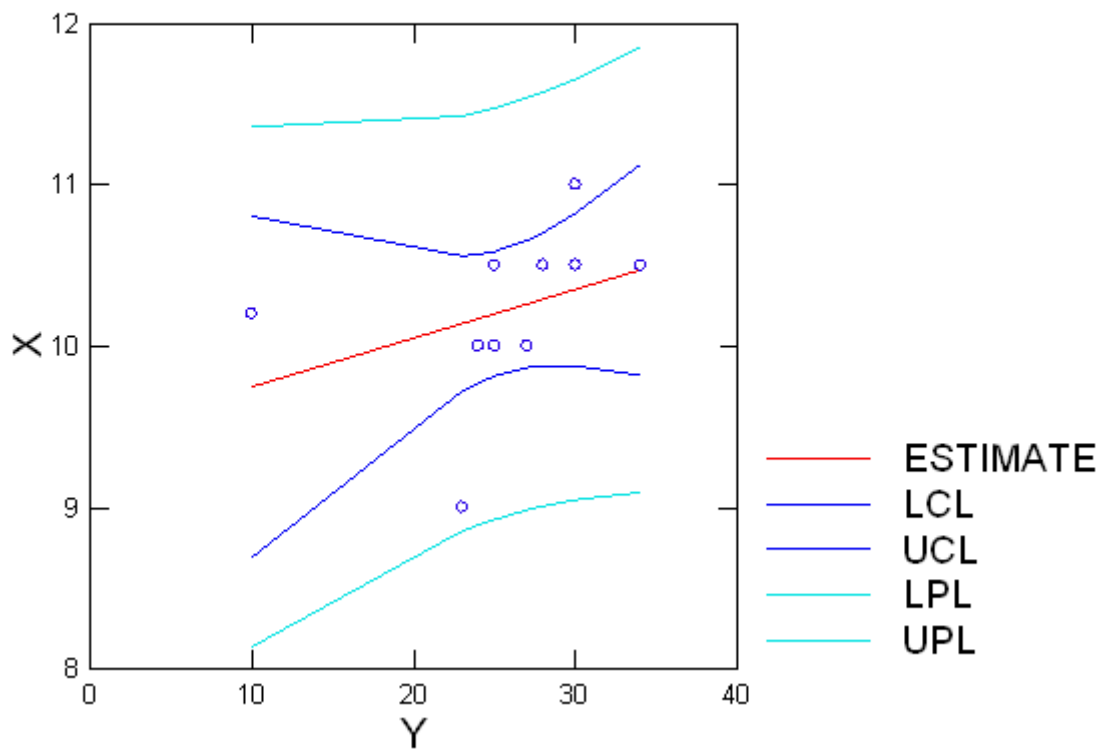
Durbin-Watson D-Statistic		1,403
First Order Autocorrelation		0,243

Information Criteria

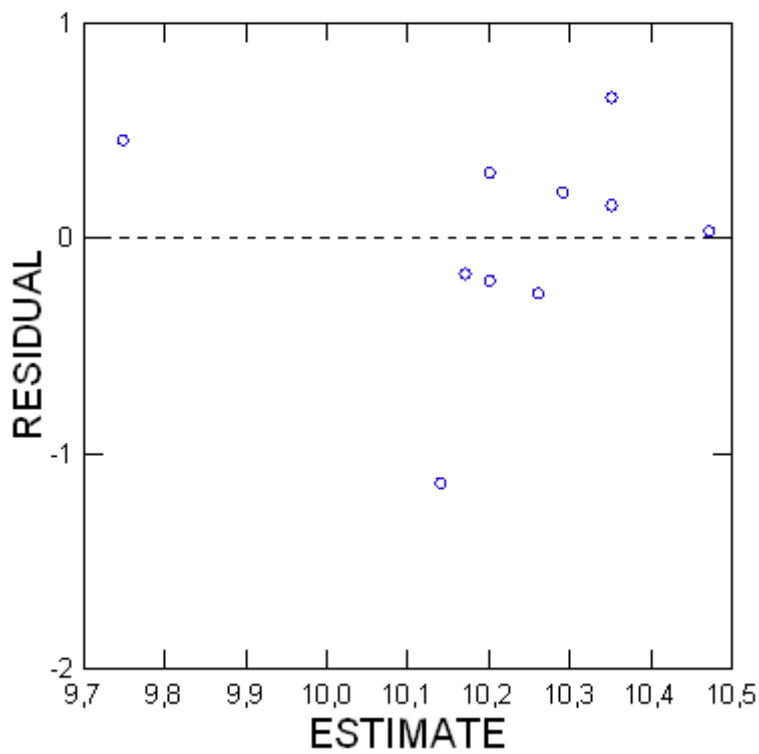
AIC		19,321
AIC (Corrected)		23,321
Schwarz's BIC		20,229

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled6.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp2' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,850
Squared Multiple R		0,722
Adjusted Squared Multiple R		0,687
Standard Error of Estimate		0,802

Regression Coefficients B = (X'X)⁻¹X'Y

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	17,247	1,212	0,000	.	14,233	0,000
Y	0,016	0,004	0,850	1,000	4,560	0,002

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	13,378	1	13,378	20,794	0,002
Residual	5,147	8	0,643		

*** WARNING *** :

Case 10 is an Outlier (Studentized Residual : 3,740)

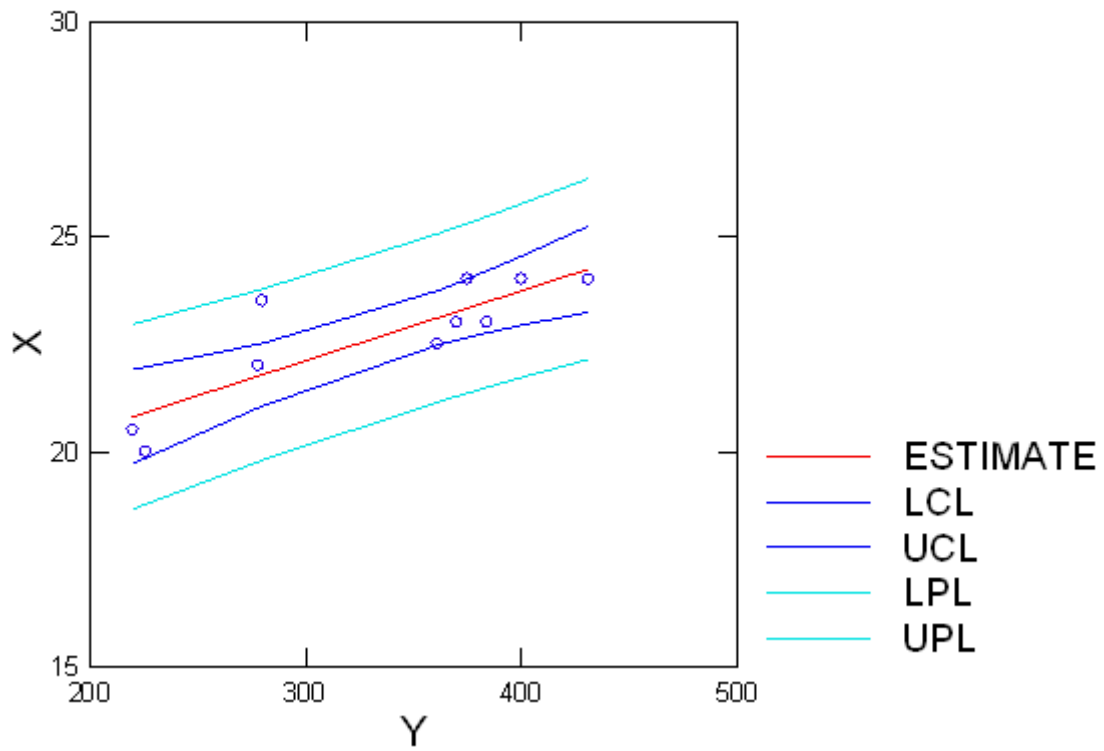
Durbin-Watson D-Statistic		1,272
First Order Autocorrelation		0,040

Information Criteria

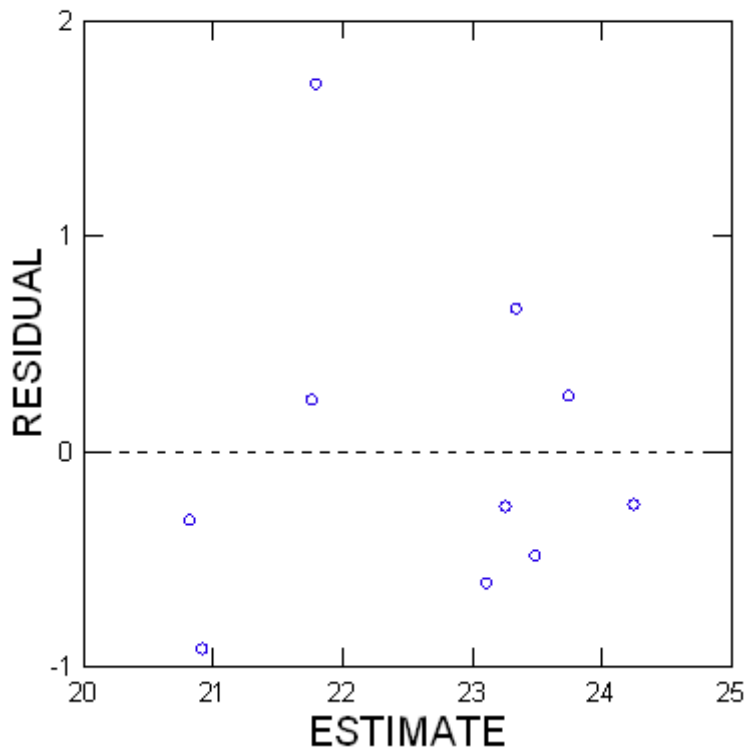
AIC		27,737
AIC (Corrected)		31,737
Schwarz's BIC		28,645

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled10.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp3' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,951
Squared Multiple R		0,904
Adjusted Squared Multiple R		0,892
Standard Error of Estimate		0,675

Regression Coefficients B = (X'X)⁻¹X'Y

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	10,979	0,589	0,000	.	18,647	0,000
Y	0,072	0,008	0,951	1,000	8,694	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	34,476	1	34,476	75,584	0,000
Residual	3,649	8	0,456		

*** WARNING *** :

Case 8 is an Outlier (Studentized Residual : -2,747)

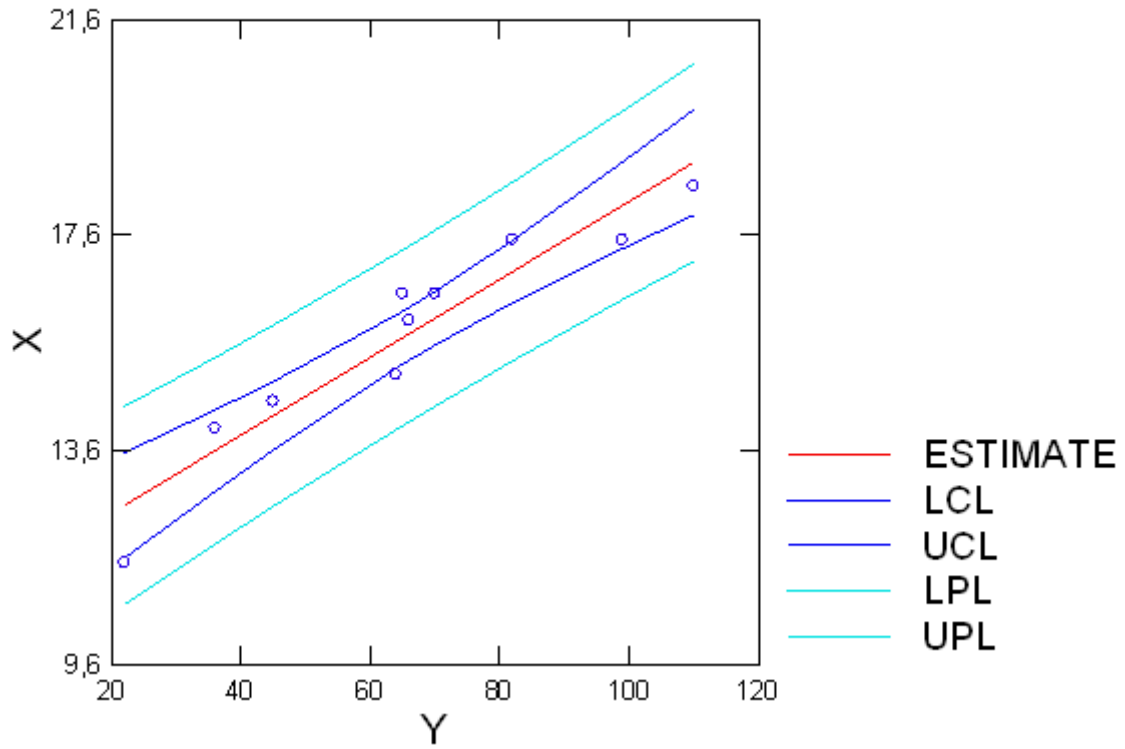
Durbin-Watson D-Statistic		1,729
First Order Autocorrelation		0,055

Information Criteria

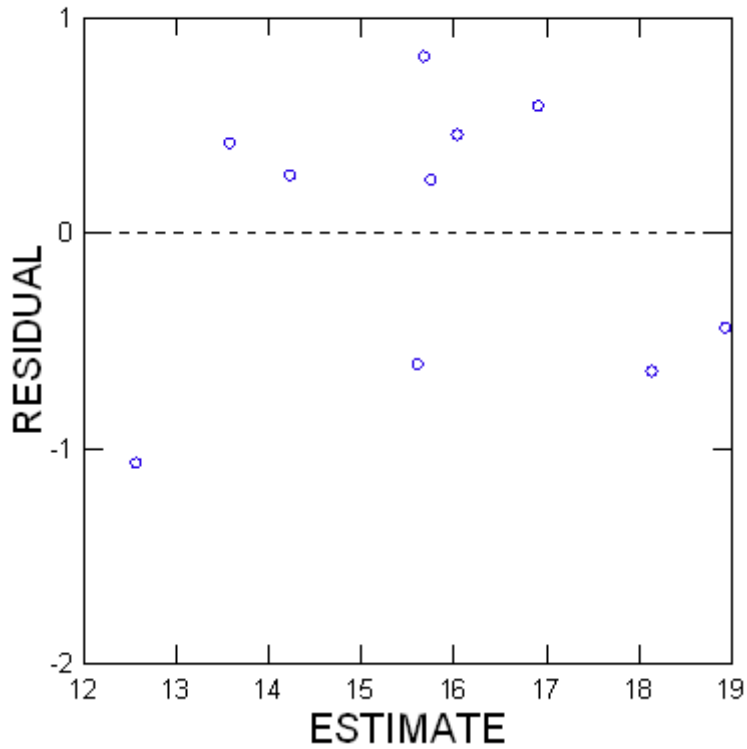
AIC		24,297
AIC (Corrected)		28,297
Schwarz's BIC		25,205

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp4' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONF1 = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,960
Squared Multiple R		0,922
Adjusted Squared Multiple R		0,912
Standard Error of Estimate		0,720

Regression Coefficients B = (X'X)⁻¹X'Y

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	18,124	0,939	0,000	.	19,306	0,000
Y	0,021	0,002	0,960	1,000	9,701	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	48,741	1	48,741	94,108	0,000
Residual	4,143	8	0,518		

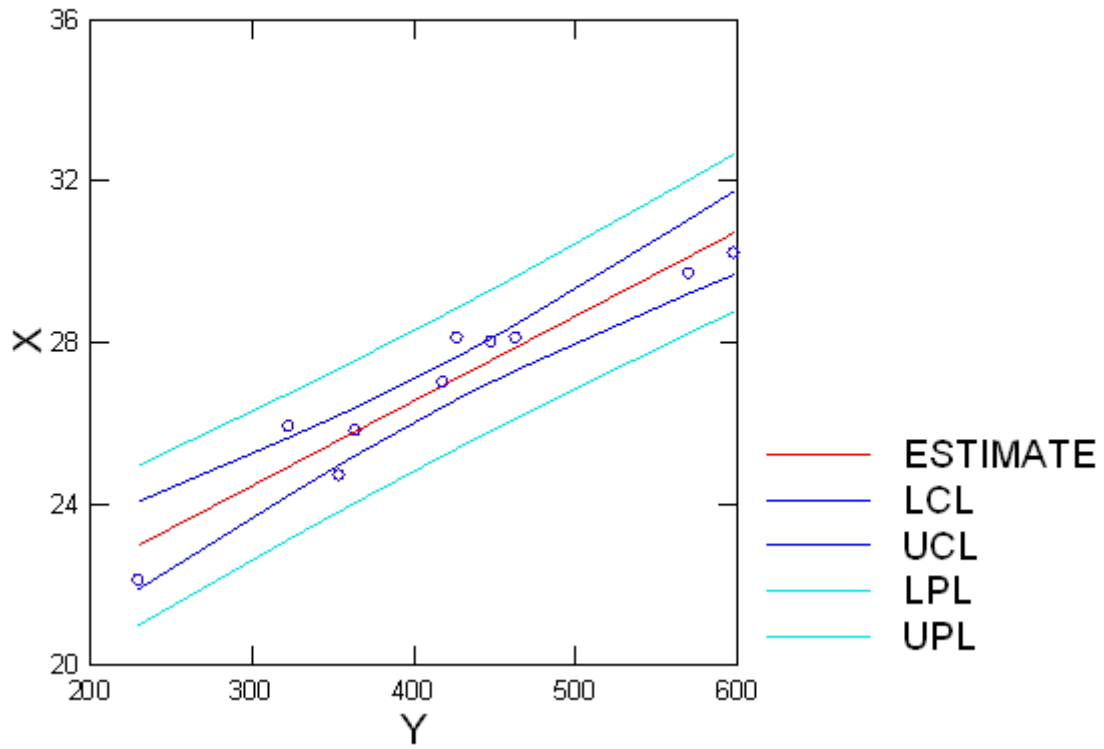
Durbin-Watson D-Statistic		1,416
First Order Autocorrelation		0,286

Information Criteria

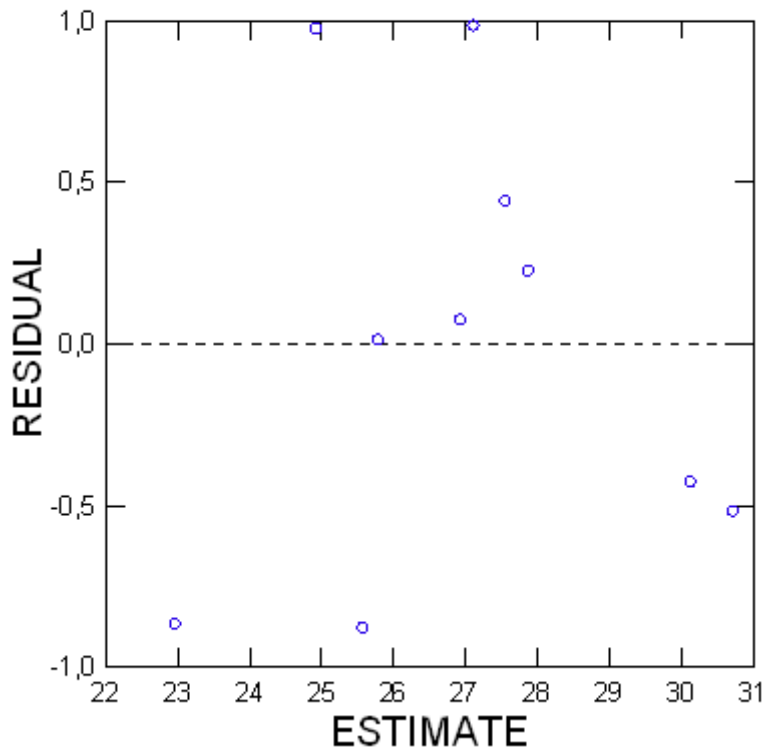
AIC		25,568
AIC (Corrected)		29,568
Schwarz's BIC		26,476

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp5' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONF1 = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,958
Squared Multiple R		0,918
Adjusted Squared Multiple R		0,907
Standard Error of Estimate		0,370

Regression Coefficients B = $(X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	9,511	0,454	0,000	.	20,947	0,000
Y	0,157	0,017	0,958	1,000	9,435	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	12,190	1	12,190	89,024	0,000
Residual	1,095	8	0,137		

*** WARNING *** :

Case 8 is an Outlier (Studentized Residual : -3,026)

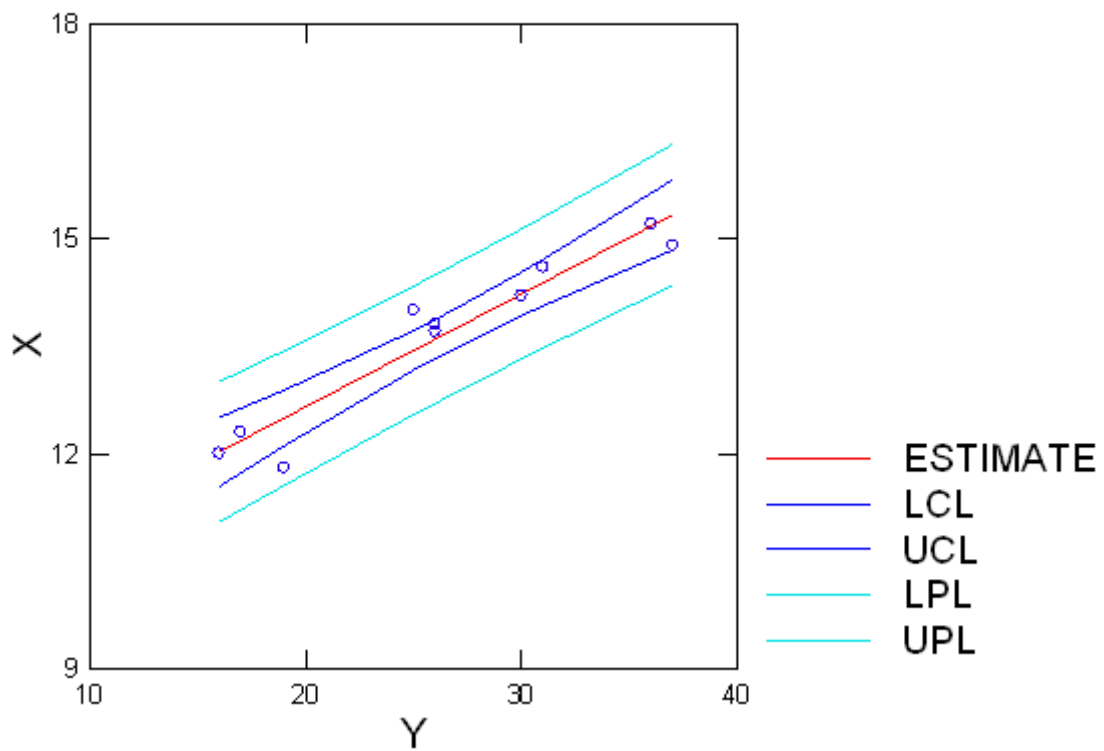
Durbin-Watson D-Statistic		1,468
First Order Autocorrelation		0,245

Information Criteria

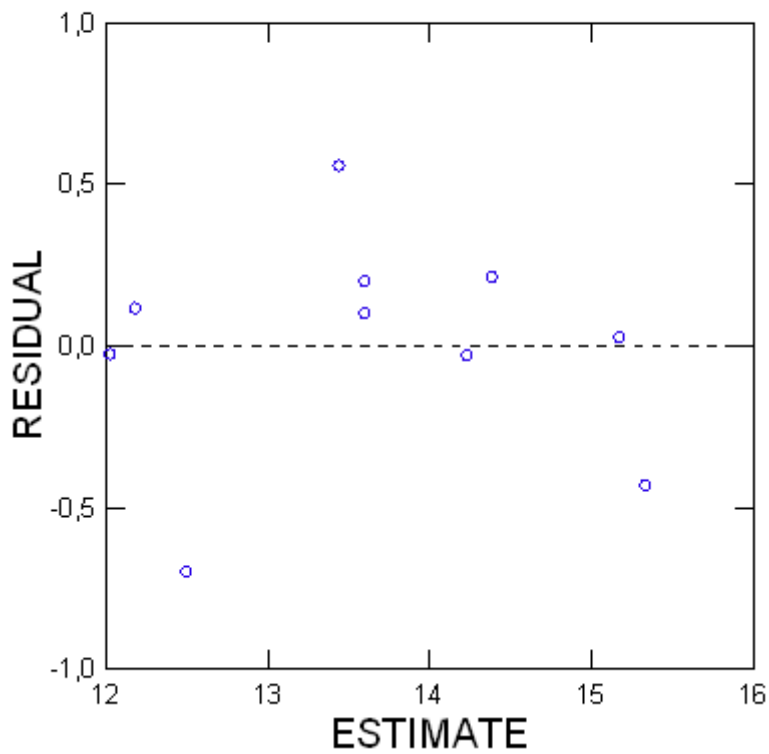
AIC		12,264
AIC (Corrected)		16,264
Schwarz's BIC		13,172

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp6' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONF1 = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,774
Squared Multiple R		0,599
Adjusted Squared Multiple R		0,549
Standard Error of Estimate		0,370

Regression Coefficients B = (X'X)⁻¹X'Y

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	7,097	1,149	0,000	.	6,174	0,000
Y	0,111	0,032	0,774	1,000	3,456	0,009

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	1,632	1	1,632	11,947	0,009
Residual	1,093	8	0,137		

*** WARNING *** :

Case 5 is an Outlier (Studentized Residual : 4,497)

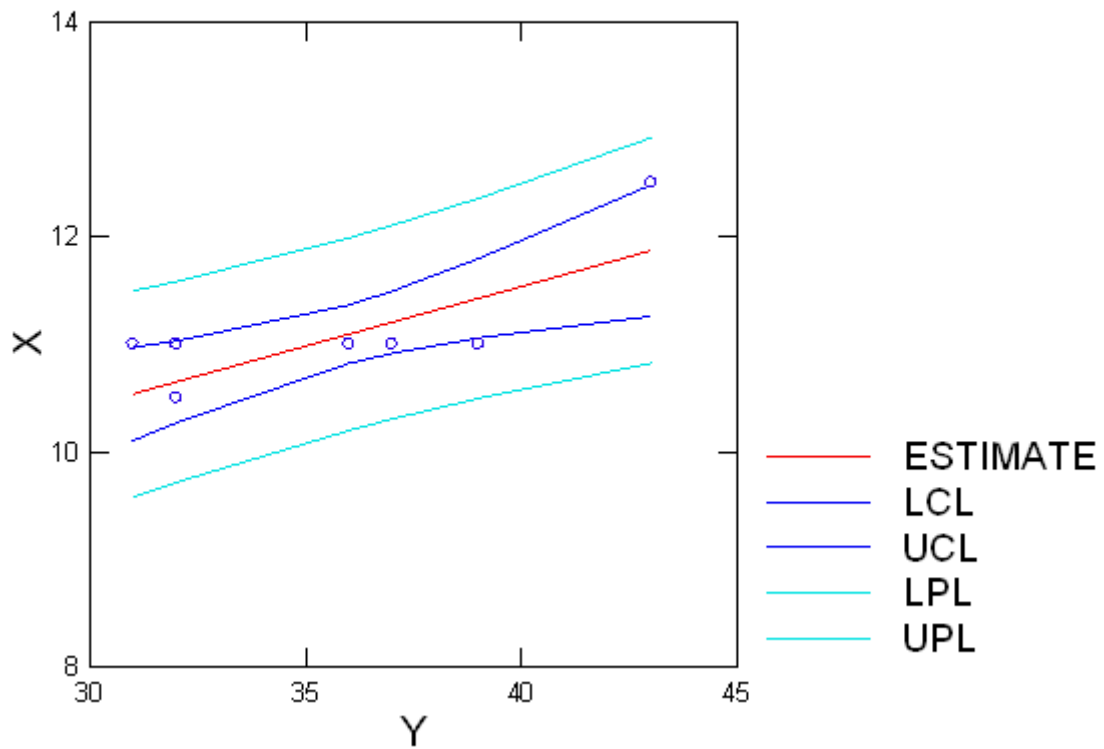
Durbin-Watson D-Statistic		1,795
First Order Autocorrelation		0,079

Information Criteria

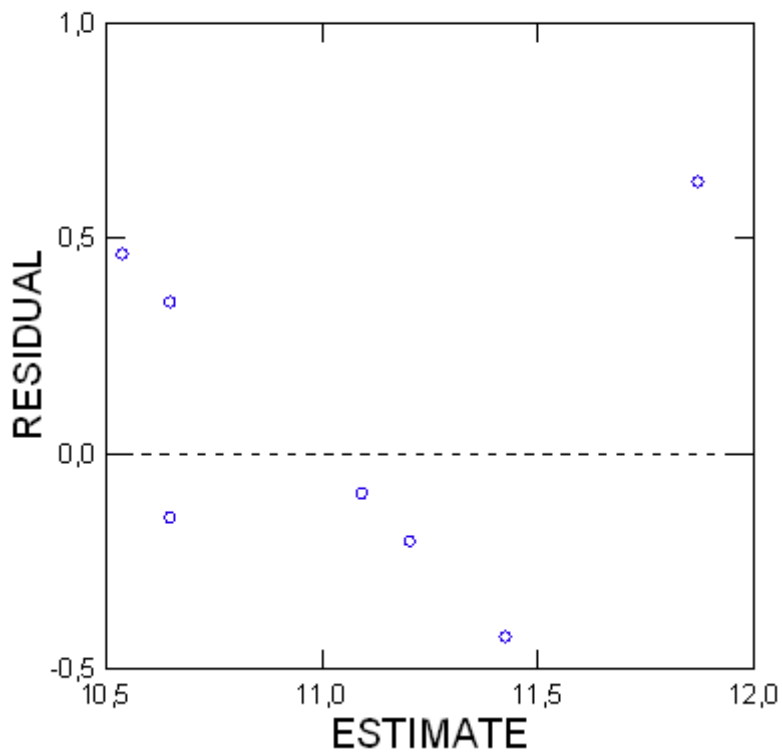
AIC		12,241
AIC (Corrected)		16,241
Schwarz's BIC		13,149

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled26.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp7' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONF1 = 0.95
```

▼ OLS Regression

```
Dependent Variable      | X
N                        | 10
Multiple R               | 0,774
Squared Multiple R      | 0,599
Adjusted Squared Multiple R | 0,549
Standard Error of Estimate | 0,370
```

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	7,097	1,149	0,000	.	6,174	0,000
Y	0,111	0,032	0,774	1,000	3,456	0,009

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	1,632	1	1,632	11,947	0,009
Residual	1,093	8	0,137		

*** WARNING *** :

Case 5 is an Outlier (Studentized Residual : 4,497)

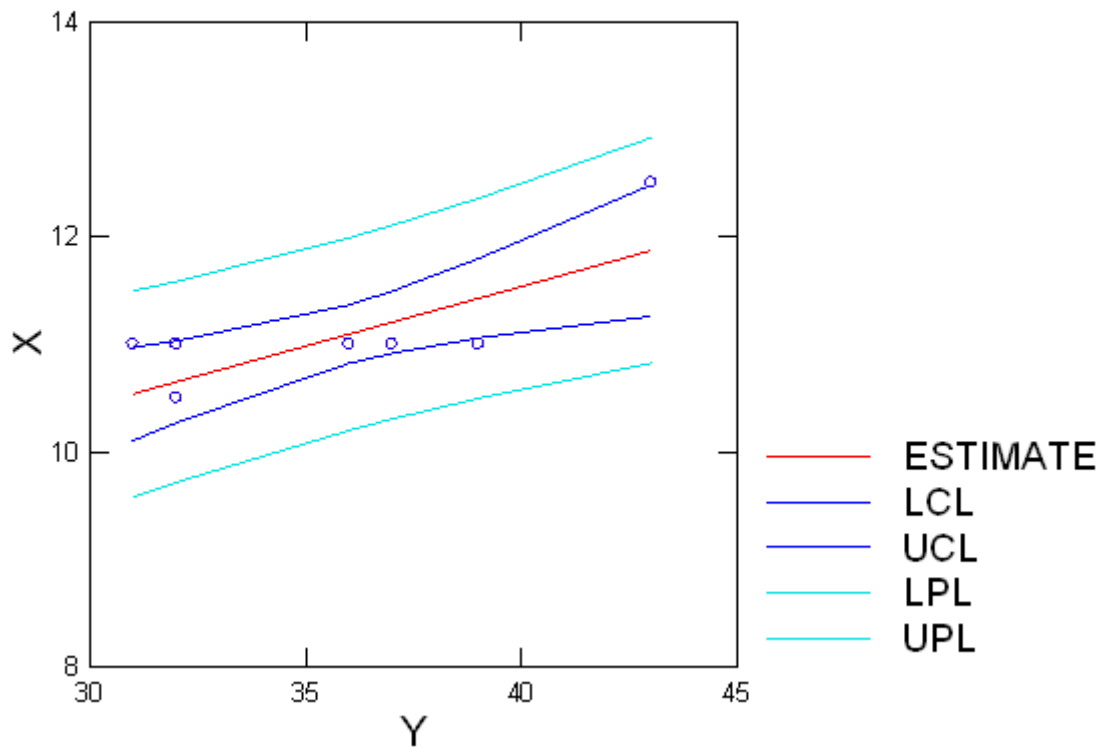
```
Durbin-Watson D-Statistic | 1,795
First Order Autocorrelation | 0,079
```

Information Criteria

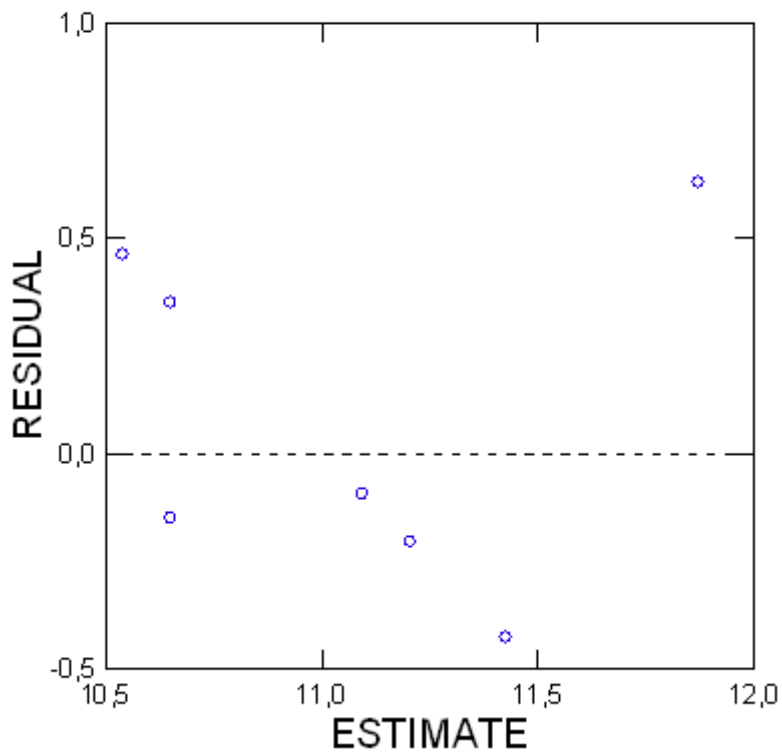
```
AIC | 12,241
AIC (Corrected) | 16,241
Schwarz's BIC | 13,149
```

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp8' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONF1 = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,929
Squared Multiple R		0,862
Adjusted Squared Multiple R		0,845
Standard Error of Estimate		0,419

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	13,273	0,807	0,000	.	16,440	0,000
Y	0,025	0,004	0,929	1,000	7,077	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	8,803	1	8,803	50,087	0,000
Residual	1,406	8	0,176		

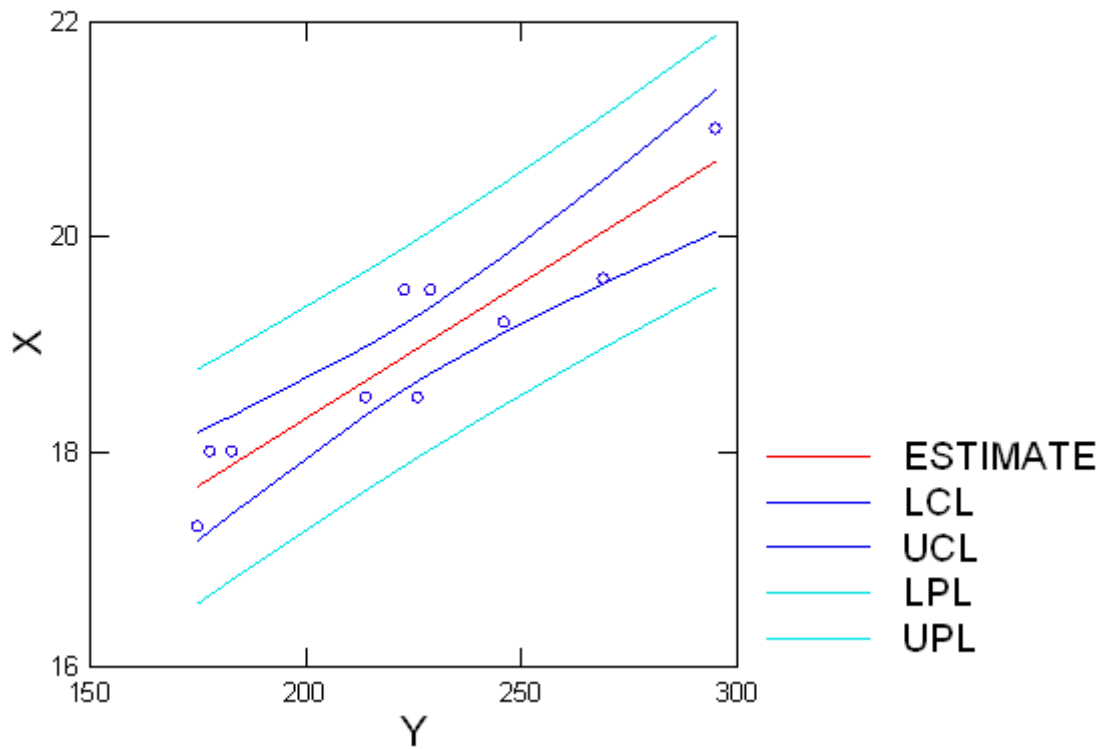
Durbin-Watson D-Statistic		2,332
First Order Autocorrelation		-0,247

Information Criteria

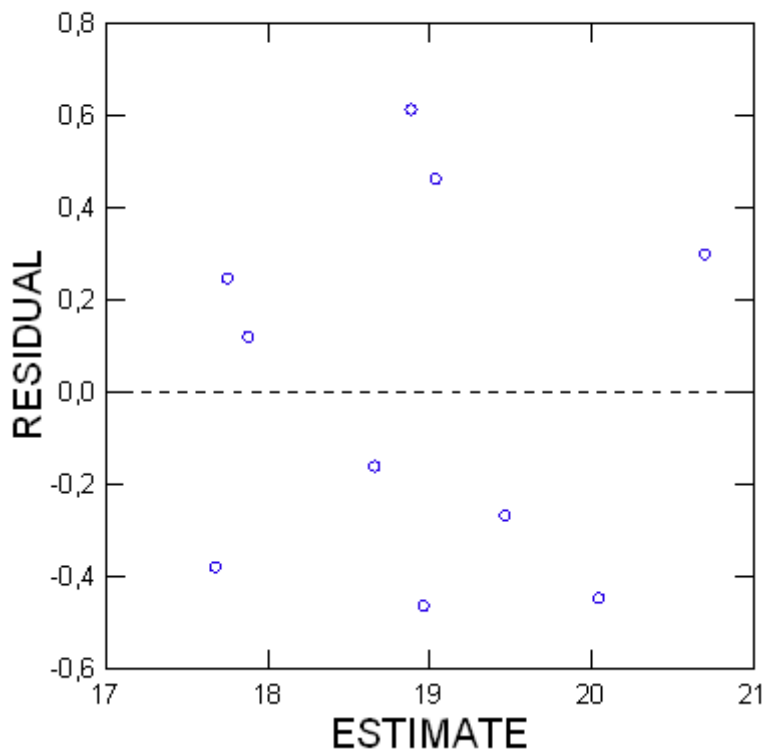
AIC		14,761
AIC (Corrected)		18,761
Schwarz's BIC		15,668

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp9' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable	X
N	10
Multiple R	0,973
Squared Multiple R	0,946
Adjusted Squared Multiple R	0,940
Standard Error of Estimate	0,936

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	12,778	0,609	0,000	.	20,972	0,000
Y	0,020	0,002	0,973	1,000	11,870	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	123,394	1	123,394	140,901	0,000
Residual	7,006	8	0,876		

*** WARNING *** :

Case 7 is an Outlier (Studentized Residual : 2,362)

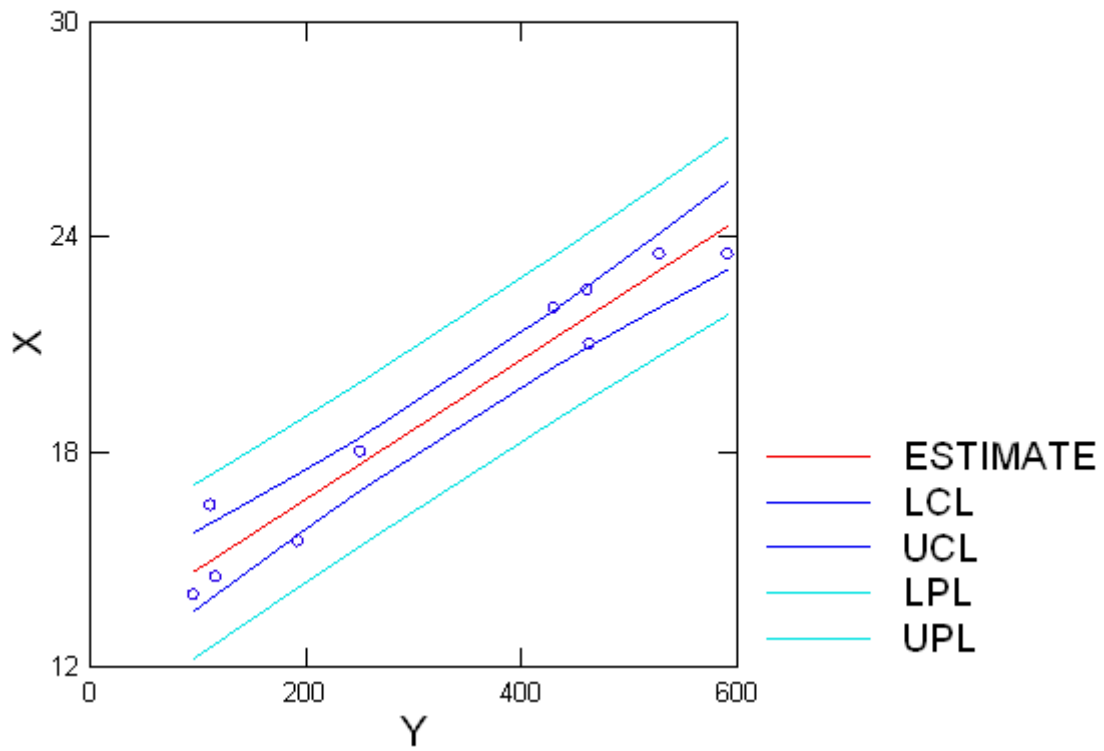
Durbin-Watson D-Statistic	2,715
First Order Autocorrelation	-0,403

Information Criteria

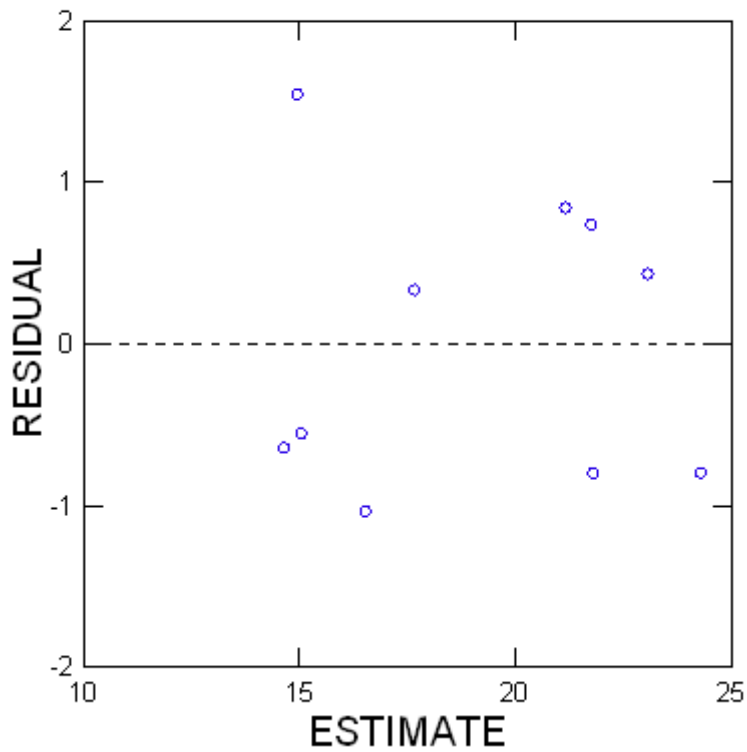
AIC	30,821
AIC (Corrected)	34,821
Schwarz's BIC	31,728

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

▼ File: Untitled38.syz

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp10' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

```
Dependent Variable      | X
N                        | 10
Multiple R              | 0,957
Squared Multiple R      | 0,916
Adjusted Squared Multiple R | 0,906
Standard Error of Estimate | 0,400
```

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	9,137	0,463	0,000	.	19,736	0,000
Y	0,114	0,012	0,957	1,000	9,349	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	13,980	1	13,980	87,404	0,000
Residual	1,280	8	0,160		

*** WARNING *** :

Case 1 is an Outlier (Studentized Residual : -2,409)
Case 10 is an Outlier (Studentized Residual : -2,485)

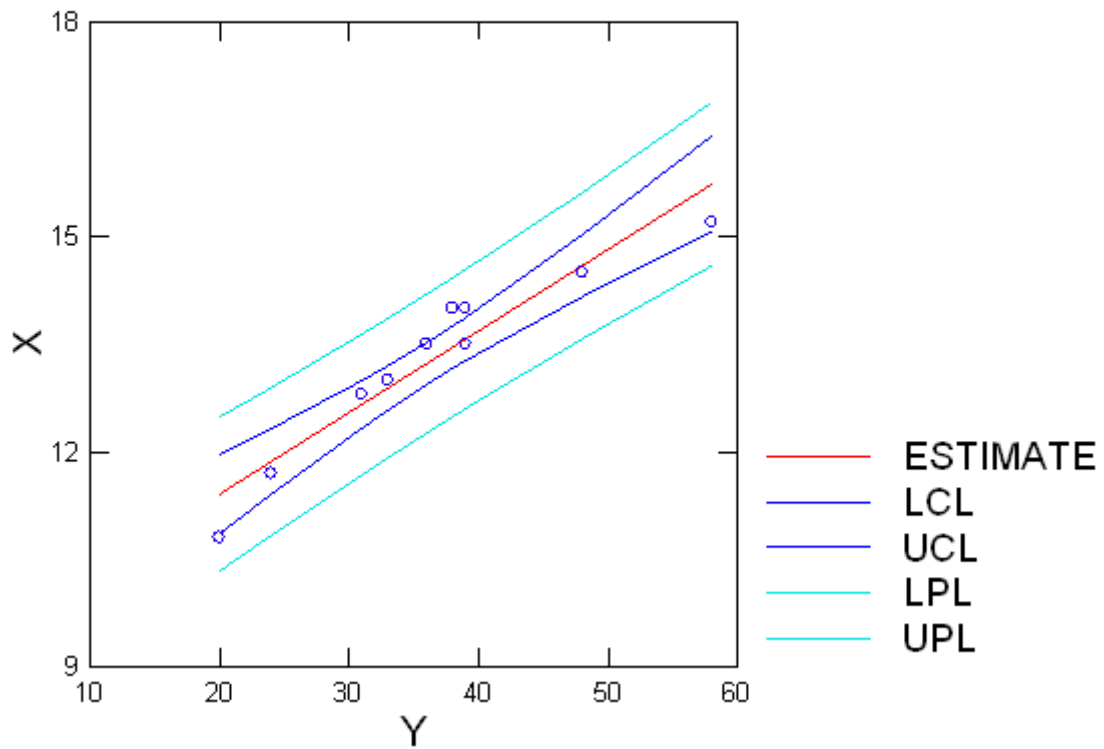
```
Durbin-Watson D-Statistic | 1,950
First Order Autocorrelation | -0,233
```

Information Criteria

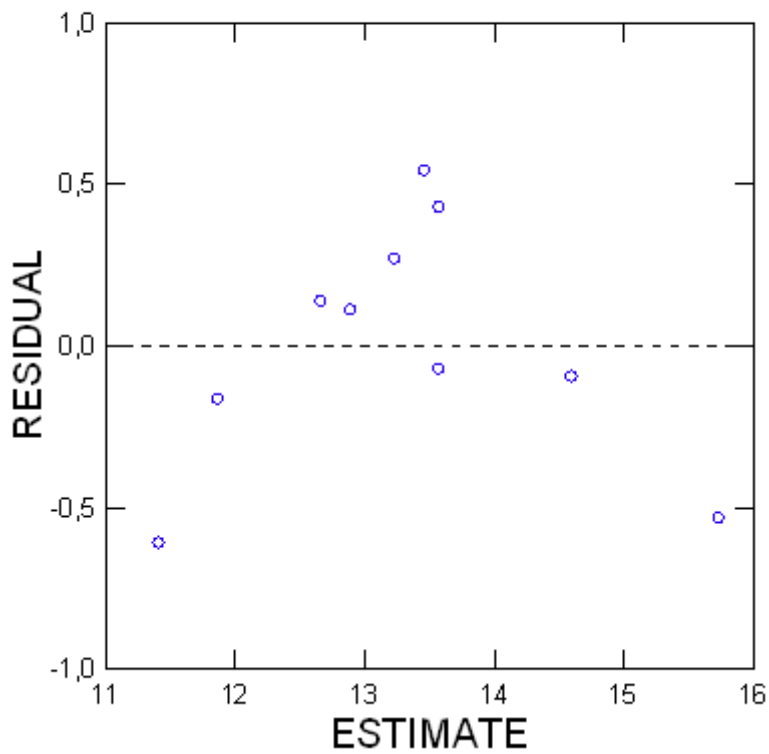
```
AIC | 13,818
AIC (Corrected) | 17,818
Schwarz's BIC | 14,726
```

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog

IMPORT successfully completed. Processed 2 variables and 10 cases.

```
> REM -- Following commands were produced by the REGRESS dialog:
> REGRESS
> MODEL X = CONSTANT+Y
> SAVE 'C:\Users\FernandaT\SYSTAT\SYSTAT_13\Data\sp11' / RESIDUALS
> ESTIMATE / TOL = 1e-012 CONFI = 0.95
```

▼ OLS Regression

Dependent Variable		X
N		10
Multiple R		0,973
Squared Multiple R		0,946
Adjusted Squared Multiple R		0,940
Standard Error of Estimate		0,936

Regression Coefficients $B = (X'X)^{-1}X'Y$

Effect	Coefficient	Standard Error	Std. Coefficient	Tolerance	t	p-Value
CONSTANT	12,778	0,609	0,000	.	20,972	0,000
Y	0,020	0,002	0,973	1,000	11,870	0,000

Analysis of Variance

Source	SS	df	Mean Squares	F-Ratio	p-Value
Regression	123,394	1	123,394	140,901	0,000
Residual	7,006	8	0,876		

*** WARNING *** :

Case 7 is an Outlier (Studentized Residual : 2,362)

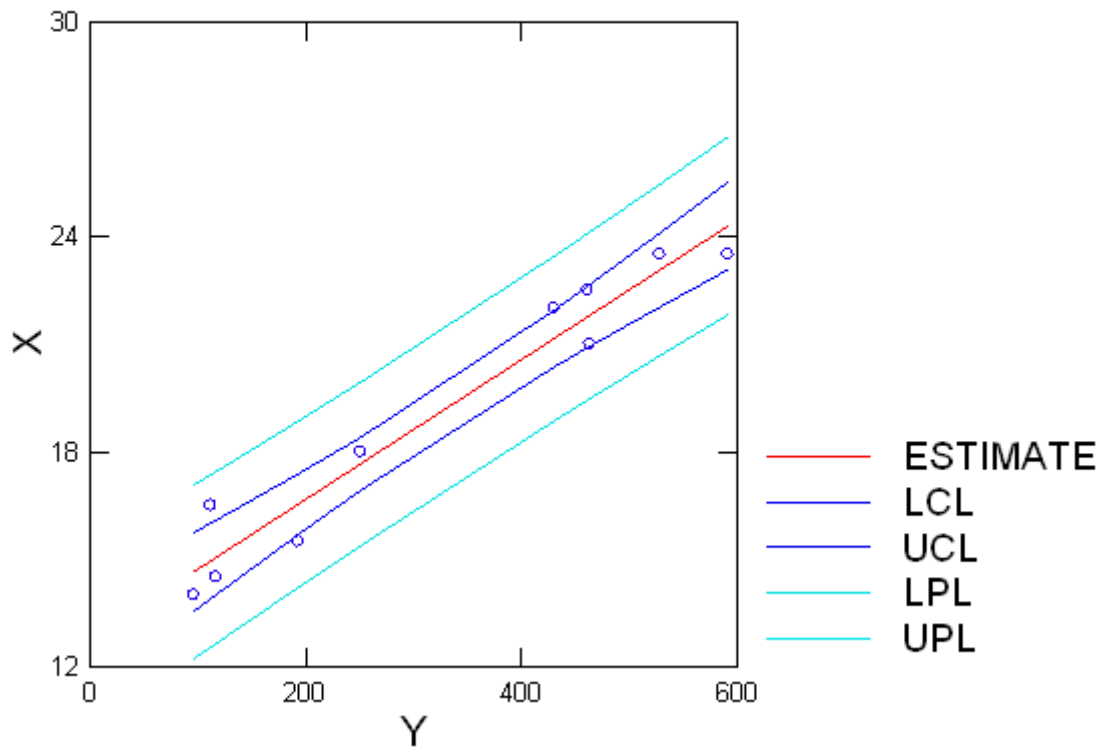
Durbin-Watson D-Statistic		2,715
First Order Autocorrelation		-0,403

Information Criteria

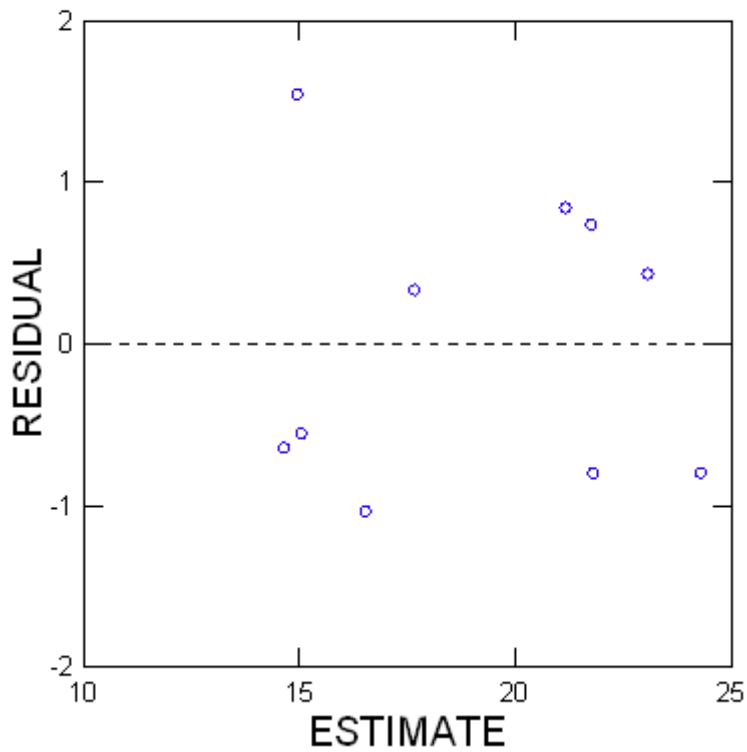
AIC		30,821
AIC (Corrected)		34,821
Schwarz's BIC		31,728

Residuals have been saved.

Confidence Interval and Prediction Interval



Plot of Residuals vs. Predicted Values



> REM -- End of commands from the REGRESS dialog