Curve Fit

[DataSet0] C:\Documents and Settings\oktato\Asztal\stat2_en_2012spring\ex_5_p568.sav

Model Description

Model Name		MOD_1
Dependent Variable	1	revenue
Equation	1	Linear
Independent Variable		telad
Constant		Included
Variable Whose Values Label Observations in Plots		Unspecified

Case Processing Summary

	N
Total Cases	8
Excluded Cases[a]	0
Forecasted Cases	0
Newly Created Cases	0

a. Cases with a missing value in any variable are excluded from the analysis.

Variable Processing Summary

		Variables	
		Dependent	Independent
		revenue	telad
Number of Positive Values		8	8
Number of Zeros		0	0
Number of Negative Values		0	0
Number of Missing Values	User-Missing	0	0
	System-Missing	0	0

revenue

Linear

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
,808	,653	,595	1,215

The independent variable is telad.

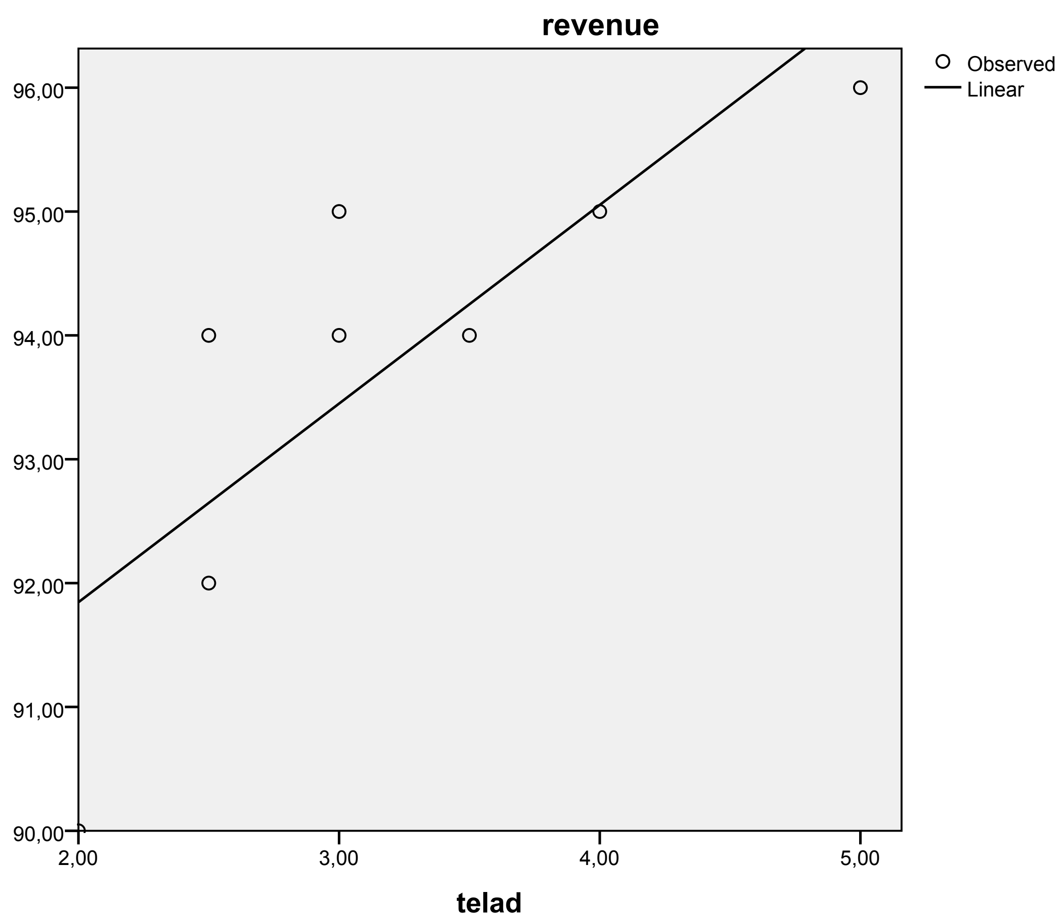
ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	16,640	1	16,640	11,269	,015
Residual	8,860	6	1,477		
Total	25,500	7			

The independent variable is telad.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
telad	1,604	,478	,808	3,357	,015
(Constant)	88,638	1,582		56,016	,000



```
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS CI(95) R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT revenue
  /METHOD=ENTER telad newpad
  /RESIDUALS DURBIN.
```

Regression

```
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```

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	newpad, telad	.	Enter

a. All requested variables entered.
b. Dependent Variable: revenue

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,959[a]	,919	,887	,64259	2,174

a. Predictors: (Constant), newpad, telad
b. Dependent Variable: revenue

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	23,435	2	11,718	28,378	,002[a]
	Residual	2,065	5	,413		
	Total	25,500	7			

a. Predictors: (Constant), newpad, telad
b. Dependent Variable: revenue

Coefficients[a]

Model		Unstandardized Coefficients	
		B	Std. Error
1	(Constant)	83,230	1,574
	telad	2,290	,304
	newpad	1,301	,321

Coefficients[a]

Model		Standardized Coefficients	t	Sig.	95,0% Confidence Interval for B	
		Beta			Lower Bound	Upper Bound
1	(Constant)		52,882	,000	79,184	87,276
	telad	1,153	7,532	,001	1,509	3,072
	newpad	,621	4,057	,010	,477	2,125

a. Dependent Variable: revenue

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	90,4124	96,6325	93,7500	1,82973	8
Residual	-,63249	,65769	,00000	,54309	8
Std. Predicted Value	-1,824	1,575	,000	1,000	8
Std. Residual	-,984	1,024	,000	,845	8

a. Dependent Variable: revenue

```
* Curve Estimation.
TSET NEWVAR=NONE.
CURVEFIT
  /VARIABLES=revenue WITH telad
  /CONSTANT
  /MODEL=LINEAR COMPOUND POWER
  /PRINT ANOVA
  /PLOT FIT.
```

Curve Fit

```
[DataSet0] C:\Documents and Settings\oktato\Asztal\sta
t2_en_2012spring\ex_5_p568.sav
```

Model Description

Model Name		MOD_2
Dependent Variable	1	revenue
Equation	1	Linear
	2	Compound[a]
	3	Power[a]
Independent Variable		telad
Constant		Included
Variable Whose Values Label Observations in Plots		Unspecified

a. The model requires all non-missing values to be positive.

Case Processing Summary

	N
Total Cases	8
Excluded Cases[a]	0
Forecasted Cases	0
Newly Created Cases	0

a. Cases with a missing value in any variable are excluded from the analysis.

Variable Processing Summary

		Variables	
		Dependent	Independent
		revenue	telad
Number of Positive Values		8	8
Number of Zeros		0	0
Number of Negative Values		0	0
Number of Missing Values	User-Missing	0	0
	System-Missing	0	0

revenue

Linear

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
,808	,653	,595	1,215

The independent variable is telad.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	16,640	1	16,640	11,269	,015
Residual	8,860	6	1,477		
Total	25,500	7			

The independent variable is telad.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
telad	1,604	,478	,808	3,357	,015
(Constant)	88,638	1,582		56,016	,000

Compound

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
,804	,647	,588	,013

The independent variable is telad.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	,002	1	,002	10,981	,016
Residual	,001	6	,000		
Total	,003	7			

The independent variable is telad.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
telad	1,017	,005	2,235	192,778	,000
(Constant)	88,735	1,524		58,207	,000

The dependent variable is ln(revenue).

Power

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
,856	,733	,688	,011

The independent variable is telad.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	,002	1	,002	16,442	,007
Residual	,001	6	,000		
Total	,003	7			

The independent variable is telad.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
ln(telad)	,060	,015	,856	4,055	,007
(Constant)	87,597	1,505		58,199	,000

The dependent variable is ln(revenue).