

File Edit View Data Transform **Analyze** 1 Graphs Utilities Extensions Window Help

1: y 2158.70

	y	x
1	2158.70	15.50
2	1678.15	23.75
3	2316.00	8.00
4	2061.30	17.00
5	2207.50	5.50
6	1708.30	19.00
7	1784.70	24.00
8	2575.00	2.50
9	2357.90	7.50
10	2256.70	11.00
11	2165.20	13.00
12	2399.55	3.75
13	1779.80	25.00
14	2336.75	9.75
15	1765.30	22.00
16	2053.50	18.00
17	2414.40	6.00
18	2200.50	12.50
19	2654.20	2.00
20	1753.70	21.50
21		
22		
23		

Reports
Descriptive Statistics
Bayesian Statistics
Tables
Compare Means
General Linear Model
Generalized Linear Models
Mixed Models
Correlate
Regression 2
Loglinear
Neural Networks
Classify
Dimension Reduction
Scale
Nonparametric Tests
Forecasting
Survival
Multiple Response
Missing Value Analysis...
Multiple Imputation
Complex Samples
Simulation...
Quality Control
ROC Curve...
Spatial and Temporal Modeling...
Direct Marketing

Automatic Linear Modeling...
Linear... 3
Curve Estimation...
Partial Least Squares...
Binary Logistic...
Multinomial Logistic...
Ordinal...
Probit...
Nonlinear...
Weight Estimation...
2-Stage Least Squares...
Optimal Scaling (CATREG)...

Data View Variable View

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

5:

	y	x
1	2158.70	15.50
2	1678.15	23.75
3	2316.00	8.00
4	2061.30	17.00
5	2207.50	5.50
6	1708.30	19.00
7	1784.70	24.00
8	2575.00	2.50
9	2357.90	7.50
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13	1779.80	25.00
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18	2200.50	12.50
19	2654.20	2.00
20	1753.70	21.50
21		
22		
23		

Linear Regression

Dependent: y متغير پاسخ

Block 1 of 1

Independent(s): x متغير مستقل

Method: Enter

Selection Variable: Rule...

Case Labels:

WLS Weight:

OK Paste Reset Cancel Help

Statistics... Plots... Save... Options... Style... Bootstrap...

Data View Variable View

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

5:

	y	x
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17	2414.40	6.00
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21		
22		
23		

Linear Regression

Dependent: y

Block 1 of 1

Linear Regression: Statistics

Regression Coefficient...
 Estimates
 Confidence intervals
Level(%): 95
 Covariance matrix

نمایش فاصله اطمینان ۹۵ درصدی

Residuals
برای ضرایب رگرسیونی
 Durbin-Watson
 Casewise diagnostics
 Outliers outside: 3 standard deviations
 All cases

Model fit
 R squared change
 Descriptives
 Part and partial correlations
 Collinearity diagnostics

Continue Cancel Help

Statistics... Plots... Save... Options... Style... Bootstrap...

Data View Variable View

The image shows the SPSS Linear Regression dialog box and its 'Save' sub-dialog box. The main dialog has 'y' as the dependent variable and 'x' as the independent variable. The 'Save' sub-dialog is open, showing options for predicted values and residuals. The 'Confidence Interval' is set to 95%. Handwritten Persian notes are present in the sub-dialog.

Linear Regression: Save

Predicted Values: Unstandardized, Standardized, Adjusted, S.E. of mean predictions

Residuals: Unstandardized, Standardized, Studentized, Deleted, Studentized deleted

Distances: Mahalanobis, Cook's, Leverage values

Influence Statistics: D(eta)(x), Standardized D(Beta)(x), DFF, Standardized DFit, Cook's distance

Prediction Intervals: Mean, Individual, Confidence Interval: 95%

Coefficient statistics: Create coefficient statistics, Create a new dataset (Default name: X0-10), Write a new data file

Export model information to XML file: Browse

Include the covariance matrix

Handwritten Persian notes:
 فاصله اطمینان برای میانگین
 پاسخ و فاصله پیشگویی در نقطه
 X0-10

مسیر بدست آوردن فاصله اطمینان برای میانگین پاسخ و فاصله پیشگویی در نقطه ۱۰

	y	x	LMCI_1	UMCI_1	LICI_1	UICI_1	var
1	2158.70	15.50	2004.96575	2098.91765	1844.63768	2259.24572	
2	1678.15	23.75	1667.87650	1822.97264	1529.13329	1961.71586	
3	2316.00	8.00	2274.93518	2386.25209	2121.15132	2540.03594	
4	2061.30	17.00	1945.95311	2046.46951	1788.13896	2204.28366	
5	2207.50	5.50	2357.78162	2489.17360	2211.14725	2635.80796	
6	1708.30	19.00	1865.25334	1978.55492	1712.19593	2131.61233	
7	1784.70	24.00	1657.34940	1814.92295	1519.39769	1952.87466	
8	2575.00	2.50	2455.02856	2614.84821	2317.78913	2752.08763	
9	2357.90	7.50	2291.68442	2406.65644	2139.23506	2559.10579	
10	2256.70	11.00	2171.76153	2266.50419	2011.73889	2426.52683	
11	2165.20	13.00	2099.62333	2190.02802	1937.91635	2351.73500	
12	2399.55	3.75	2414.72209	2562.27069	2273.52927	2703.46352	
13	1779.80	25.00	1615.14931	1782.81586	1480.35909	1917.60609	
14	2336.75	9.75	2215.38313	2315.76657	2057.51854	2473.63115	
15	1765.30	22.00	1741.25460	1879.63211	1597.00648	2023.88024	
16	2053.50	18.00	1905.85287	2012.26258	1750.25405	2167.86139	
17	2414.40	6.00	2341.37522	2468.42640	2193.23193	2616.56970	
18	2200.50	12.50	2117.95120	2208.85374	1956.43862	2370.36632	
19	2654.20	2.00	2471.08344	2635.94691	2335.42527	2771.60508	
20	1753.70	21.50	1762.10178	1895.93853	1616.30841	2041.73190	
21		10.00	2206.73885	2305.83405	2048.38459	2464.18831	
22			فاصله اطمینان برای میانگین پاسخ در نقطه ۱۰		فاصله پیشگویی در نقطه ۱۰		
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Data View Variable View



- Output
 - Regression
 - Title
 - Notes
 - Variables Entered
 - Model Summary
 - ANOVA
 - Coefficients
 - Residuals Statistics

U. ANOVA Regression Statistics

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.950 ^a	.902	.896	96.10609

a. Predictors: (Constant), x

b. Dependent Variable: y

ضریب تعیین

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1527482.743	1	1527482.743	165.377	.000 ^b
	Residual	166254.858	18	9236.381		
Total		1693737.601	19			

a. Dependent Variable: y

b. Predictors: (Constant), x

جدول تحلیل واریانس

Coefficients^a

Model	ضرایب رگرسیونی	Unstandardized Coefficients		Standardized Coefficients	مقادیر آماره		95.0% Confidence Interval for B	
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound
1	(Constant)	2627.822	44.184		59.475	.000	2534.995	2720.649
	x	-37.154	2.889	-.950	-12.860	.000	-43.223	-31.084

a. Dependent Variable: y

فواصل اطمینان برای ضرایب رگرسیونی