

Ανοίξτε το αρχείο και πηγαίνατε στο μενού της Regression

The screenshot shows the jamovi software interface. The 'Analyses' menu is open, and 'Regression' is selected. The main window displays a data table with columns y, x1, x2, and x3, and a 'Results' panel on the right.

	y	x1	x2	x3
1	19.5	43.1	29.1	11.9
2	24.7	49.8	28.2	22.8
3	30.7	51.9	37.0	18.7
4	29.8	54.3	31.1	20.1
5	19.1	42.2	30.9	12.9
6	25.6	53.9	23.7	21.7
7	31.4	58.5	27.6	27.1
8	27.9	52.1	30.6	25.4
9	22.1	49.9	23.2	21.3
10	25.5	53.5	24.8	19.3
11	31.1	56.6	30.0	25.4
12	30.4	56.7	38.3	27.2
13	18.7	46.5	23.0	11.7
14	19.7	44.2	28.6	17.8
15	14.6	42.7	21.3	12.8
16	29.5	54.4	30.1	23.9
17	27.7	55.3	25.7	22.6
18	30.2	58.6	24.6	25.4
19	22.7	48.2	27.1	14.8
20	25.2	51.0	27.5	21.1

... και επιλέξτε Linear Regression

The screenshot shows the jamovi software interface. The 'Analyses' menu is open, and 'Linear Regression' is selected. The main window displays a data table and a 'Results' panel showing 'Linear Regression' output.

Predictor	Estimate	SE	t	p
Intercept	-	-	-	-

Φτιάξτε την κάρτα όπως την βλέπετε

The screenshot shows the jamovi software interface. The 'Linear Regression' configuration panel is open. The 'Dependent Variable' is set to 'y' and 'Covariates' are 'x1', 'x2', and 'x3'. The 'Fit Measures' section is expanded, showing 'R', 'R²', 'Adjusted R²', 'AIC', 'BIC', and 'RMSE'.

Predictor	Estimate	SE	t	p
Intercept	-32.3272	0.7129	-45.35	< .001
x1	0.8330	0.0175	46.83	< .001
x2	0.5240	0.0123	42.46	< .001
x3	0.0264	0.0184	1.44	0.170

	<p>Linear Regression</p> <p><b>Fit Measures</b></p> <p><input checked="" type="checkbox"/> R  <input checked="" type="checkbox"/> R<sup>2</sup>  <input type="checkbox"/> Adjusted R<sup>2</sup>  <input type="checkbox"/> AIC  <input type="checkbox"/> BIC  <input type="checkbox"/> RMSE</p> <p><b>Overall Model Test</b></p> <p><input type="checkbox"/> F test</p> <p>Model Coefficients</p> <p><b>Omnibus Test</b></p> <p><input checked="" type="checkbox"/> ANOVA test  <input type="checkbox"/> Standardized estimate  <input type="checkbox"/> Confidence interval</p> <p><b>Estimate</b></p> <p><input type="checkbox"/> Confidence interval  Interval: 95 %</p>																																																														
<p>Εξηγήστε όλα τα αποτελέσματα</p>	<p><b>Linear Regression</b></p> <p>Model Fit Measures</p> <table border="1"> <thead> <tr> <th>Model</th> <th>R</th> <th>R<sup>2</sup></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.999</td> <td>0.999</td> </tr> </tbody> </table> <p>Omnibus ANOVA Test</p> <table border="1"> <thead> <tr> <th></th> <th>Sum of Squares</th> <th>df</th> <th>Mean Square</th> <th>F</th> <th>p</th> </tr> </thead> <tbody> <tr> <td>x1</td> <td>82.1162</td> <td>1</td> <td>82.1162</td> <td>2193.36</td> <td>&lt; .001</td> </tr> <tr> <td>x2</td> <td>67.4938</td> <td>1</td> <td>67.4938</td> <td>1802.79</td> <td>&lt; .001</td> </tr> <tr> <td>x3</td> <td>0.0773</td> <td>1</td> <td>0.0773</td> <td>2.07</td> <td>0.170</td> </tr> <tr> <td>Residuals</td> <td>0.5990</td> <td>16</td> <td>0.0374</td> <td></td> <td></td> </tr> </tbody> </table> <p>Note. Type 3 sum of squares</p> <p>[3]</p> <p>Model Coefficients - y</p> <table border="1"> <thead> <tr> <th>Predictor</th> <th>Estimate</th> <th>SE</th> <th>t</th> <th>p</th> </tr> </thead> <tbody> <tr> <td>Intercept</td> <td>-32.3272</td> <td>0.7129</td> <td>-45.35</td> <td>&lt; .001</td> </tr> <tr> <td>x1</td> <td>0.8330</td> <td>0.0178</td> <td>46.83</td> <td>&lt; .001</td> </tr> <tr> <td>x2</td> <td>0.5240</td> <td>0.0123</td> <td>42.46</td> <td>&lt; .001</td> </tr> <tr> <td>x3</td> <td>0.0264</td> <td>0.0184</td> <td>1.44</td> <td>0.170</td> </tr> </tbody> </table>	Model	R	R <sup>2</sup>	1	0.999	0.999		Sum of Squares	df	Mean Square	F	p	x1	82.1162	1	82.1162	2193.36	< .001	x2	67.4938	1	67.4938	1802.79	< .001	x3	0.0773	1	0.0773	2.07	0.170	Residuals	0.5990	16	0.0374			Predictor	Estimate	SE	t	p	Intercept	-32.3272	0.7129	-45.35	< .001	x1	0.8330	0.0178	46.83	< .001	x2	0.5240	0.0123	42.46	< .001	x3	0.0264	0.0184	1.44	0.170	
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