

إعداد

الباحث / ماهر يحيى البواردي

٢٣٢٠٠١٤٤١

د. أميرة جادو

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 4 of 4 Variables

	y	x1	x2	x3	var	var	var	var	var	var	var	var	var	var	var
1	40	9	400	10											
2	45	8	500	14											
3	50	9	600	12											
4	55	8	700	13											
5	60	7	800	11											
6	70	6	900	15											
7	65	6	1000	16											
8	65	8	1100	17											
9	75	5	1200	22											
10	75	5	1300	19											
11	80	5	1400	20											
12	100	3	1500	23											
13	90	4	1600	18											
14	95	3	1700	24											
15	85	4	1800	21											
16															
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20															
21															
22															
23															
24															
25															
26															

Linear Regression

Dependent: y

Block 1 of 1

Independent(s):

Method: Enter

Selection Variable:

Case Labels:

WLS Weight:

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Linear Regression

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Linear Regression

Linear Regression: Statistics

Regression Coefficient... ☒ Model fit

☒ Estimates ☐ R squared change

☐ Confidence intervals ☐ Descriptives

Level(%): 95 ☐ Part and partial correlations

☐ Covariance matrix ☒ Collinearity diagnostics

☐ Selection criteria

Residuals

☐ PRESS

☐ Dyrbin-Watson

☐ Casewise diagnostics

☒ Outliers outside: 3 standard deviations

☐ All cases

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Output

- Regression
 - Title
 - Notes
 - Active Dataset
 - Variables Entered/Removed
 - Model Summary
 - ANOVA
 - Coefficients
 - Collinearity Diagnostics

Regression

[DataSet0] C:\Users\maher\OneDrive\المكتب\سطح المكتب\المهمة الخامسة\سطح المكتب\المهمة الخامسة.sav

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	x3, x2, x1 ^b		Enter

a. Dependent Variable: y

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.975 ^a	.951	.938	4.528

a. Predictors: (Constant), x3, x2, x1

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4374.508	3	1458.169	71.133	<.001 ^b
	Residual	225.492	11	20.499		
	Total	4600.000	14			

a. Dependent Variable: y

b. Predictors: (Constant), x3, x2, x1

Coefficients^a

	Standardized Coefficient	Unstandardized Coefficient	Standard Error	t	Sig.
(Constant)					
x1					
x2					
x3					

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ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4374.508	3	1458.169	71.133	<.001 ^b
	Residual	225.492	11	20.499		
	Total	4600.000	14			

a. Dependent Variable: y
b. Predictors: (Constant), x3, x2, x1

Coefficients^a

Model		Unstandardized Coefficients	Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta		Tolerance	VIF
1	(Constant)	79.106	19.782	3.999	.002		
	x1	-4.928	1.611	-.563	.3059	.132	7.597
	x2	.016	.007	.392	2.146	.055	7.501
	x3	.175	.637	.043	.275	.181	5.537

a. Dependent Variable: y

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	(Constant)	x1	x2	x3
1	1	3.732	1.000	.00	.00	.00	.00
	2	.256	3.819	.00	.03	.02	.00
	3	.010	19.624	.00	.04	.74	.64
	4	.002	38.750	1.00	.93	.23	.36

a. Dependent Variable: y

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