

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	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																		
17																		
18																		
19																		
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:

OK Paste Reset Cancel Help

Overview Data View Variable View

19 days left on Full Version Trial Upgrade Here

IBM SPSS Statistics Processor is ready Unicode ON Classic

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	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																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		

Linear Regression

Dependent: y

Block 1 of 1

Independent(s): x1 x2 x3

Method: Enter

Selection Variable:

Case Labels:

WLS Weight:

OK Paste Reset Cancel Help

Overview Data View Variable View

19 days left on Full Version Trial Upgrade Here

IBM SPSS Statistics Processor is ready Unicode ON Classic

13°C

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	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														

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

Continue Cancel Help

OK Paste Reset Cancel Help

Overview Data View Variable View

19 days left on Full Version Trial Upgrade Here

IBM SPSS Statistics Processor is ready

Unicode:ON Classic

13°C

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

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					

IBM SPSS Statistics Processor is ready

Unicode:ON Classic

13°C

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Input

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

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

IBM SPSS Statistics Processor is ready

Unicode: ON Classic

13°C