

The REG Procedure Model: MODEL1 Dependent Variable: y

Number of Observations Read

Number of Observations Used X'X Inverse, Parameter Estimates, and SSE Variable Intercept **x1** x2sq Intercept 1.4489080779 -0.085966558 -0.856100865 0.1241163792 9.9107930382 x1 -0.085966558 0.0140719141 0.0854121885 -0.016091361 0.306459682 x2 -0.856100865 0.0854121885 0.684714617 -0.112336367 -5.24022871 x2sq 0.1241163792 -0.016091361 0.0197832292 0.73677386 -0.112336367 9.9107930382 6.7990811384 У 0.306459682 -5.24022871 0.73677386

Analysis of Variance							
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F		
Model	3	2697.38157	899.12719	793.45	<.0001		
Error	6	6.79908	1.13318				
Corrected Total	9	2704.18065					

			1000					8 8	
Root MSE	1.06451	R-Square (0.9975	7	ez for	noute li	r 1.	up through on	١
Dependent Mean	16.53500	Adj R-Sq	0.9962					,	
Coeff Var	6.43792								

Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t		
Intercept	1	9.91079	1.28136	7.73	0.0002		
x1	1	0.30646	0.12628	2.43	0.0514		
x2	1	-5.24023	0.88085	-5.95	0.0010		
x2sq	1	0.73677	0.14973	4.92	0.0027		

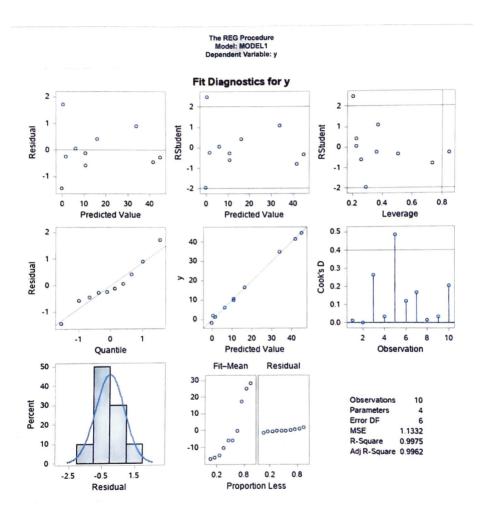
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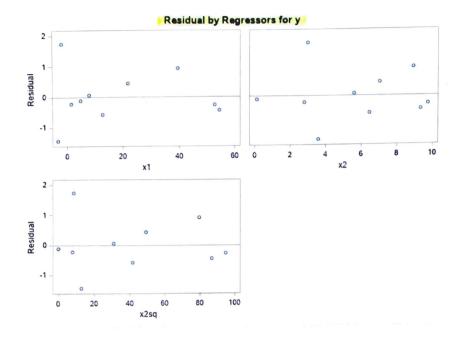
Durbin-Watson D (1.702) Test statistic

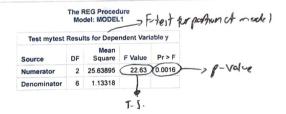
Pr < DW (0.2927) p - Value for + ve associate bation

Number of Observations 10
1st Order Autocorrelation -0.075

Note: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.







The REG Procedure Model: MODEL1 Dependent Variable: v

Output Statistics					
Obs	Dependent Variable	Predicted Value	Residual		
1	1.23	1.4639	-0.2339		
2	6.12	6.0617	0.0583		
3	-1.90	-0.4484	-1.4516		
4	44.61	44.8784	-0.2684		
5	41.28	41.7381	-0.4581		
6	10.56	10.6824	-0.1224		
7	34.78	33.8718	0.9082		
8	16.57	16.1495	0.4205		
9	10.09	10.6732	-0.5832		
10	2.01	0.2794	1.7306		
11		5.1936	1.7306) 7 prodet		

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Number of Observations Read 10 Number of Observations Used 10

Analysis of Variance							
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F		
Model	3	2670.07318	890.02439	156.57	<.0001		
Error	6	34.10747	5.68458				
Corrected Total	9	2704.18065					

Root MSE 2.38424 R-Square 0.9874 for Sheethen

Dependent Mean 16.53500 Adj R-Sq 0.9811

Coeff Var 14.41932

Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t		
Intercept	1	5.37954	2.04228	2.63	0.0388		
x1	1	0.86145	0.30138	2.86	0.0289		
x2	1	-1.05999	0.51644	-2.05	0.0859		
x1x2	1	0.00469	0.03095	0.15	0.8844		

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