

The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	21
Number of Observations Used	20
Number of Observations with Missing Values	1

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	705.49198	705.49198	9490.75	<.0001
Error	18	1.33802	0.07433		
Corrected Total	19	706.83000			

Handwritten notes: SSR points to Model Sum of Squares; SSE points to Error Sum of Squares; SST points to Corrected Total Sum of Squares. $F(model)$ points to F Value for Model; $p-value$ points to Pr > F for Model; MSE points to Mean Square for Error.

Root MSE	0.27264	R-Square	0.9981
Dependent Mean	9.15000	Adj R-Sq	0.9980
Coeff Var	2.97971		

Handwritten note: R^2 points to R-Square.

Parameter Estimates						
Variable	DF	Parameter Estimate	Standard Error	T Value	Pr > T	99% Confidence Limits
Intercept	1	29.93289	0.22187	134.91	<.0001	(29.29424 30.57153)
x	1	-3.41263	0.03503	-97.42	<.0001	(-3.51346 -3.31179)

Handwritten notes: B_0 points to Intercept Parameter Estimate; B_1 points to x Parameter Estimate; σ_{ϵ_0} points to Intercept Standard Error; σ_{ϵ_1} points to x Standard Error; t_{test} points to x T Value; $p-value$ points to x Pr > |T|; CI for B_0 points to Intercept 99% Confidence Limits; CI for B_1 points to x 99% Confidence Limits.
 two-tailed t-test
 $H_0: B_0 = B_1$
 $B_0 \neq B_1$

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Output Statistics								
Obs	Dependent Variable	Predicted Value	Std Error Mean Predict	99% CL Mean		99% CL Predict		Residual
1	1.3	1.6081	0.0985	1.3245	1.8917	0.7736	2.4426	-0.3081
2	18.3	18.3300	0.1122	18.0069	18.6530	17.4813	19.1786	-0.0300
3	14.4	14.5761	0.0826	14.3384	14.8138	13.7561	15.3961	-0.1761
4	9.0	9.4571	0.0610	9.2814	9.6329	8.6529	10.2614	-0.4571
5	9.5	9.1159	0.0610	8.9404	9.2914	8.3117	9.9200	0.3841
6	7.9	8.0921	0.0619	7.9138	8.2703	7.2873	8.8969	-0.1921
7	10.2	10.1397	0.0618	9.9618	10.3176	9.3350	10.9444	0.0603
8	13.9	13.5523	0.0759	13.3339	13.7707	12.7377	14.3669	0.3477
9	5.5	5.7032	0.0705	5.5004	5.9061	4.8927	6.5138	-0.2032
10	-1.1	-1.1220	0.1218	-1.4726	-0.7714	-1.9815	-0.2625	0.0220
11	0.0	0.2430	0.1099	-0.0733	0.5594	-0.6031	1.0892	-0.2430
12	12.9	12.8698	0.0719	12.6627	13.0768	12.0581	13.6814	0.0302
13	2.2	1.9494	0.0958	1.6736	2.2251	1.1175	2.7812	0.2506
14	17.6	17.6474	0.1064	17.3411	17.9538	16.8050	18.4899	-0.0474
15	-0.2	-0.4395	0.1158	-0.7728	-0.1062	-1.2921	0.4131	0.2395
16	10.7	10.4809	0.0625	10.3011	10.6608	9.6758	11.2861	0.2191
17	9.4	9.1159	0.0610	8.9404	9.2914	8.3117	9.9200	0.2841
18	10.5	10.4809	0.0625	10.3011	10.6608	9.6758	11.2861	0.0191
19	15.1	15.5999	0.0900	15.3408	15.8589	14.7734	16.4263	-0.4999
20	15.9	15.5999	0.0900	15.3408	15.8589	14.7734	16.4263	0.3001
21		5.7032	0.0705	5.5004	5.9061	4.8927	6.5138	

 $x_{21} = 7.1$

prediction value for $x = 7.1$

Sum of Residuals	0
Sum of Squared Residuals	1.33802
Predicted Residual SS (PRESS)	1.62193

99% CL Mean

99% prediction interval