

Finding a multiple regression model for the data

The REG Procedure
Model: MODEL1
Dependent Variable: Weekly_Sales

Number of Observations Read	421570
Number of Observations Used	421570

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	1.329911E13	1.899872E12	3923.26	<.0001
Error	421562	2.041453E14	484259206		
Corrected Total	421569	2.174444E14			

Root MSE	22006	R-Square	0.0612
Dependent Mean	15981	Adj R-Sq	0.0611
Coeff Var	137.69811		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	7571.69349	266.85675	28.37	<.0001
MarkDown1	1	0.00209	0.00627	0.33	0.7387
MarkDown2	1	-0.00142	0.00679	-0.21	0.8341
MarkDown3	1	0.12143	0.00614	19.76	<.0001
MarkDown5	1	0.06606	0.00896	7.37	<.0001
Size	1	0.08930	0.00056793	157.24	<.0001
CPI	1	-14.67492	0.90898	-16.14	<.0001
Unemployment	1	-183.29023	19.25120	-9.52	<.0001