

Model with Basement Area and Lot Area**The REG Procedure****Model: MODEL1****Dependent Variable: SalePrice Sale price in dollars**

Number of Observations Read	300
Number of Observations Used	300

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	2.032206E11	1.016103E11	137.17	<.0001
Error	297	2.200029E11	740750509		
Corrected Total	299	4.232235E11			

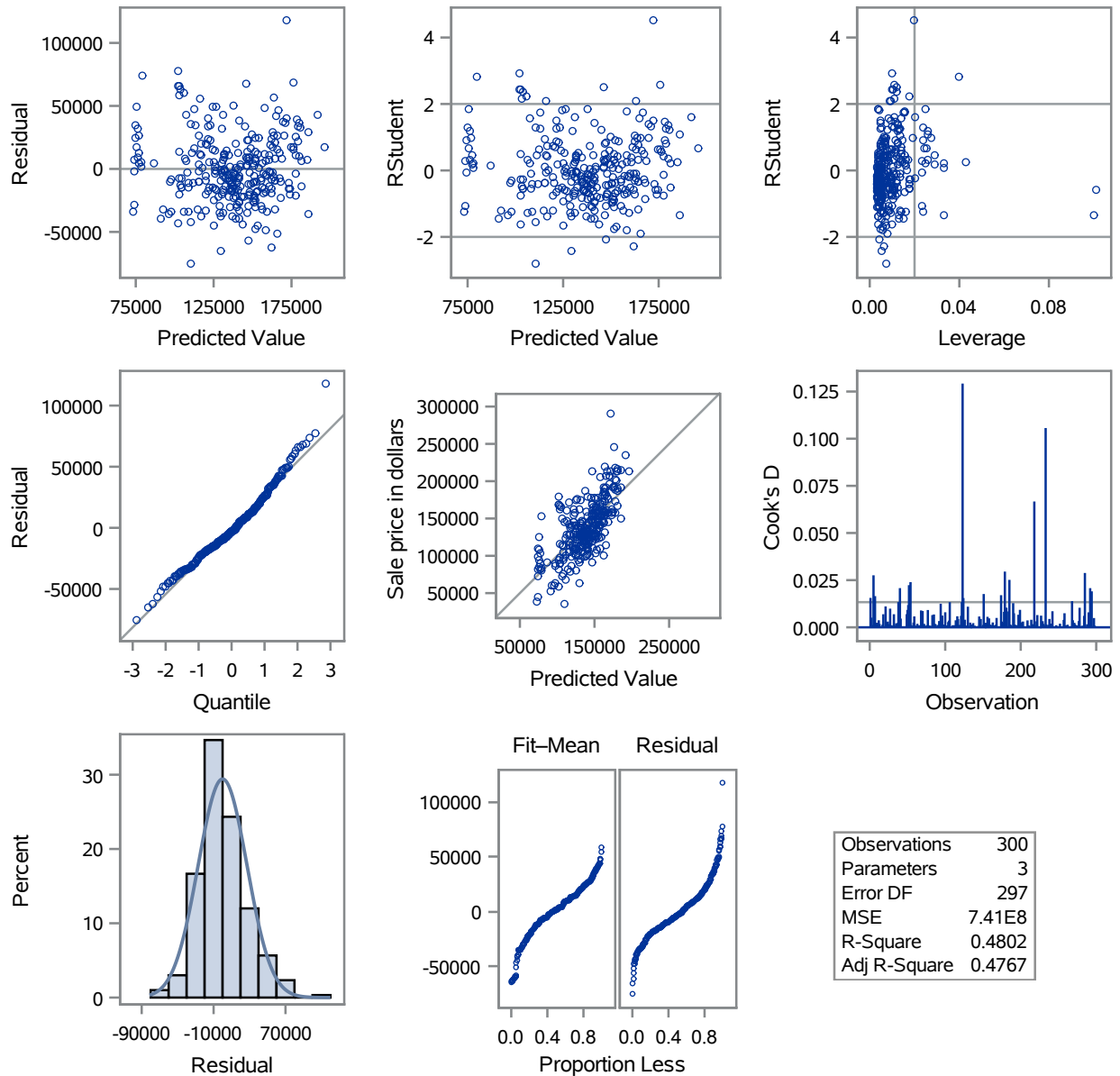
Root MSE	27217	R-Square	0.4802
Dependent Mean	137525	Adj R-Sq	0.4767
Coeff Var	19.79041		

Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	Intercept	1	69016	5129.52179	13.45	<.0001
Basement_Area	Basement area in square feet	1	70.08680	4.54618	15.42	<.0001
Lot_Area	Lot size in square feet	1	0.80430	0.49210	1.63	0.1032

Model with Basement Area and Lot Area

The REG Procedure
 Model: MODEL1
 Dependent Variable: SalePrice Sale price in dollars

Fit Diagnostics for SalePrice



Model with Basement Area and Lot Area**The REG Procedure****Model: MODEL1****Dependent Variable: SalePrice Sale price in dollars**

Model with Basement Area and Gross Living Area**The GLM Procedure**

Number of Observations Read	300
Number of Observations Used	300

Model with Basement Area and Gross Living Area**The GLM Procedure****Dependent Variable: SalePrice** Sale price in dollars

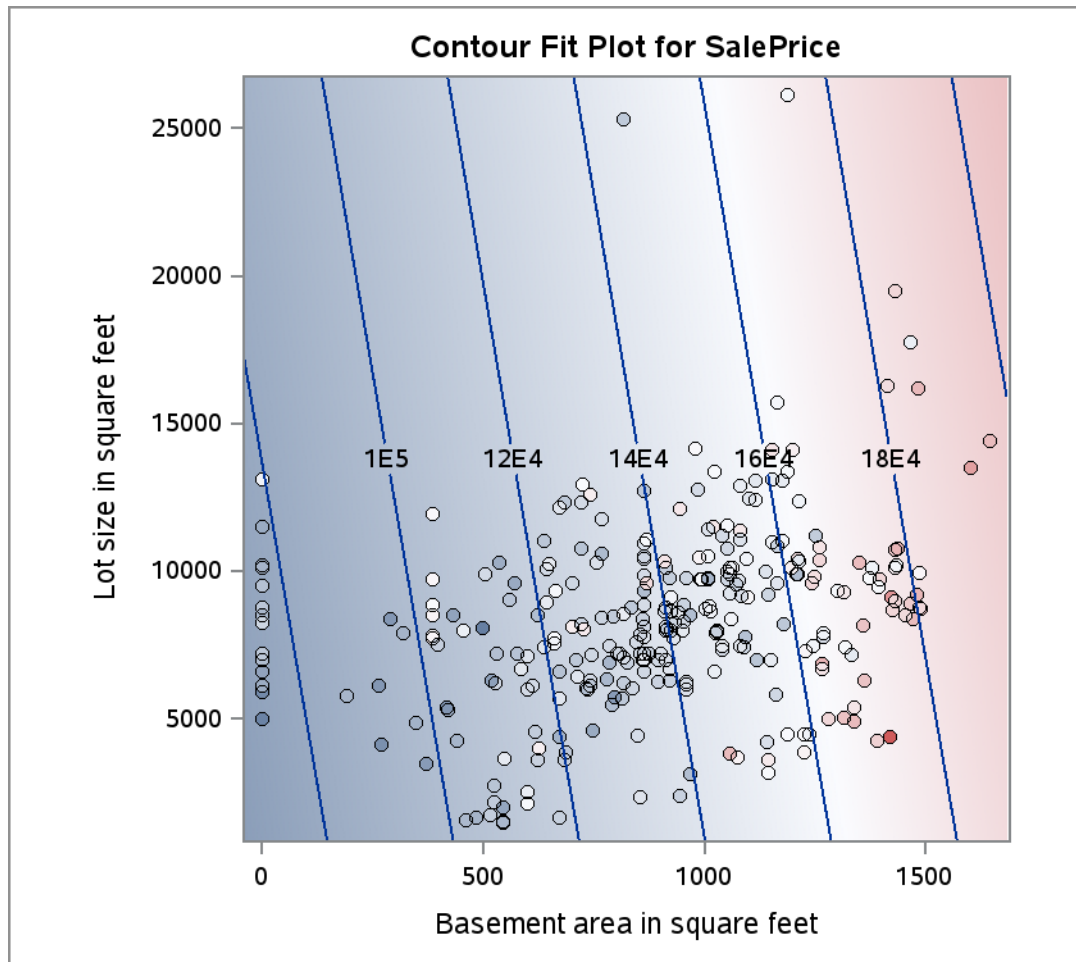
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	203220618262	101610309131	137.17	<.0001
Error	297	220002901249	740750509.26		
Corrected Total	299	423223519511			

R-Square	Coeff Var	Root MSE	SalePrice Mean
0.480173	19.79041	27216.73	137524.9

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Basement_Area	1	201241844480	201241844480	271.67	<.0001
Lot_Area	1	1978773781.7	1978773781.7	2.67	0.1032

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Basement_Area	1	176055907089	176055907089	237.67	<.0001
Lot_Area	1	1978773781.7	1978773781.7	2.67	0.1032

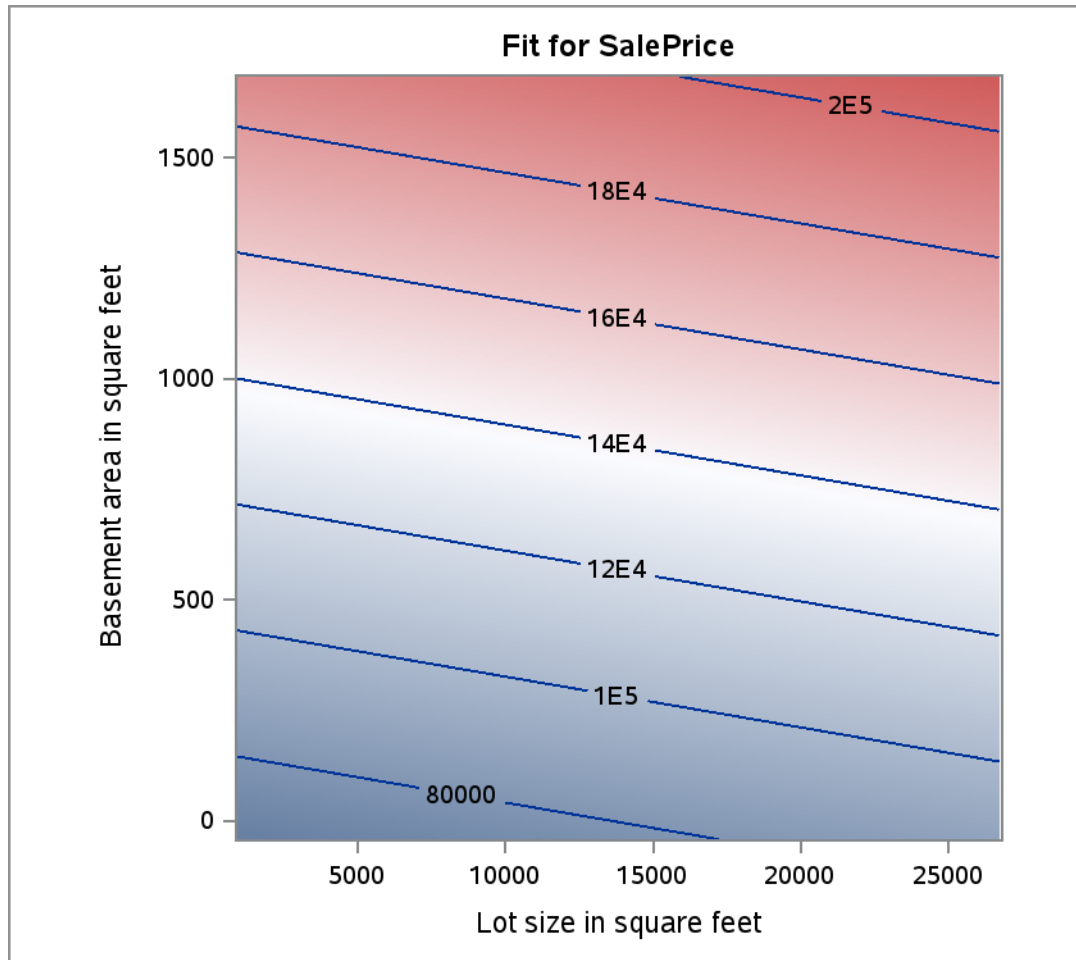
Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	69015.61360	5129.521790	13.45	<.0001
Basement_Area	70.08680	4.546183	15.42	<.0001
Lot_Area	0.80430	0.492102	1.63	0.1032

Model with Basement Area and Gross Living Area**The GLM Procedure****Dependent Variable: SalePrice** Sale price in dollars

Model with Basement Area and Gross Living Area

The PLM Procedure

Store Information	
Item Store	WORK.MULTIPLE
Data Set Created From	STAT1.AMESHOUSSING3
Created By	PROC GLM
Date Created	10DEC25:12:26:29
Response Variable	SalePrice
Model Effects	Intercept Basement_Area Lot_Area



Model with Basement Area and Gross Living Area**The PLM Procedure**