

## Model with Basement Area and Lot Area

### The REG Procedure

Model: MODEL1

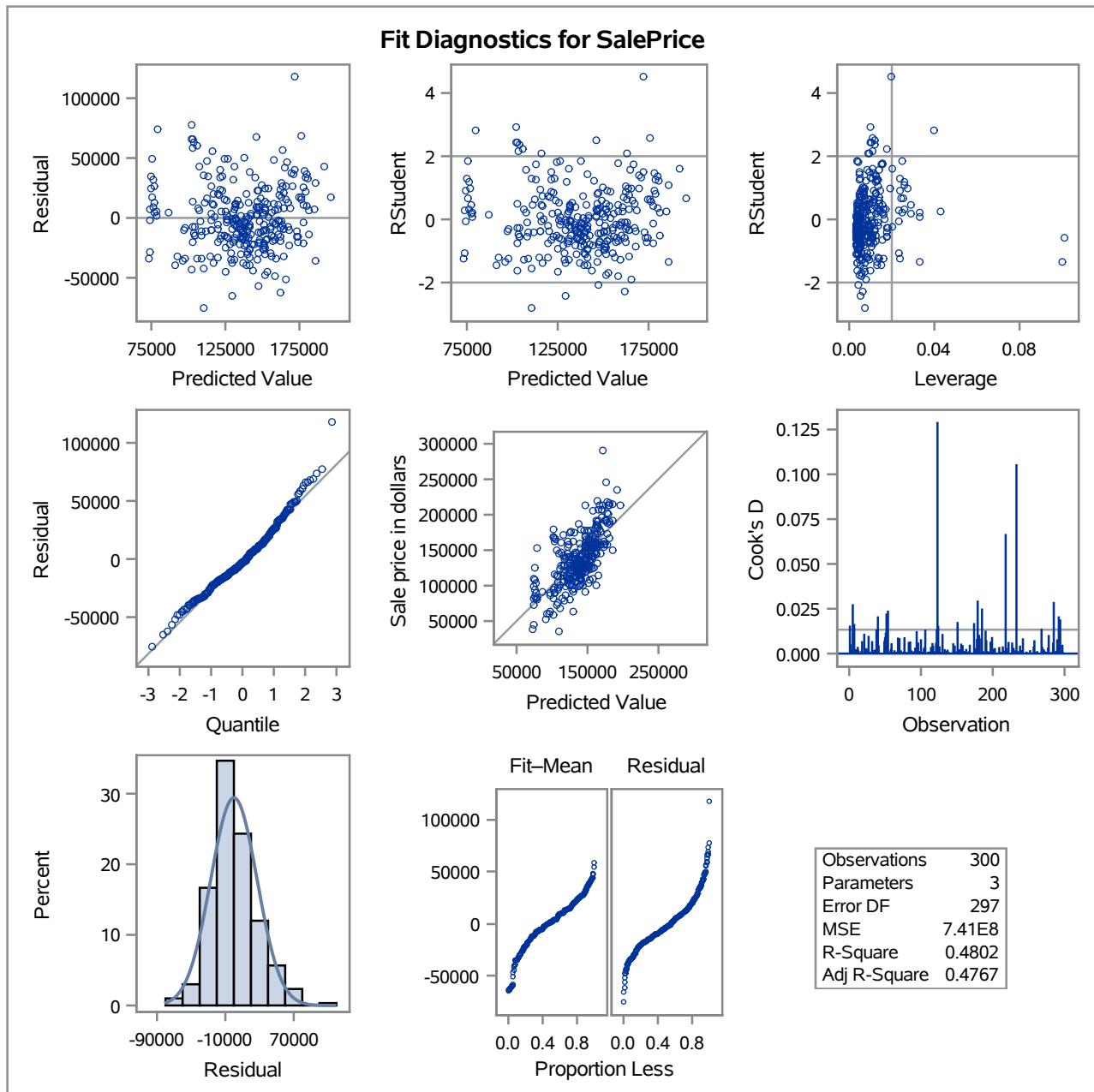
Dependent Variable: SalePrice Sale price in dollars

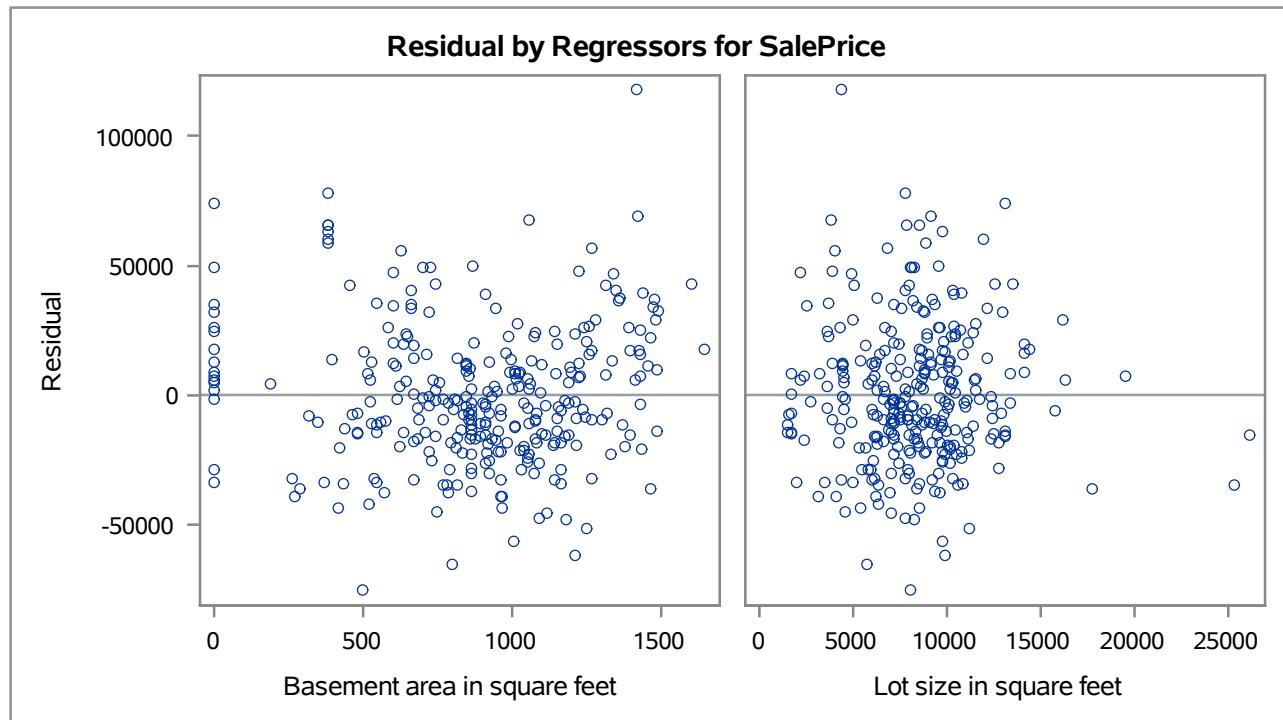
Number of Observations Read	300
Number of Observations Used	300

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
<b>Model</b>	2	2.032206E11	1.016103E11	137.17	<.0001
<b>Error</b>	297	2.200029E11	740750509		
<b>Corrected Total</b>	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
<b>Intercept</b>	Intercept	1	69016	5129.52179	13.45	<.0001
<b>Basement_Area</b>	Basement area in square feet	1	70.08680	4.54618	15.42	<.0001
<b>Lot_Area</b>	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**

**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**

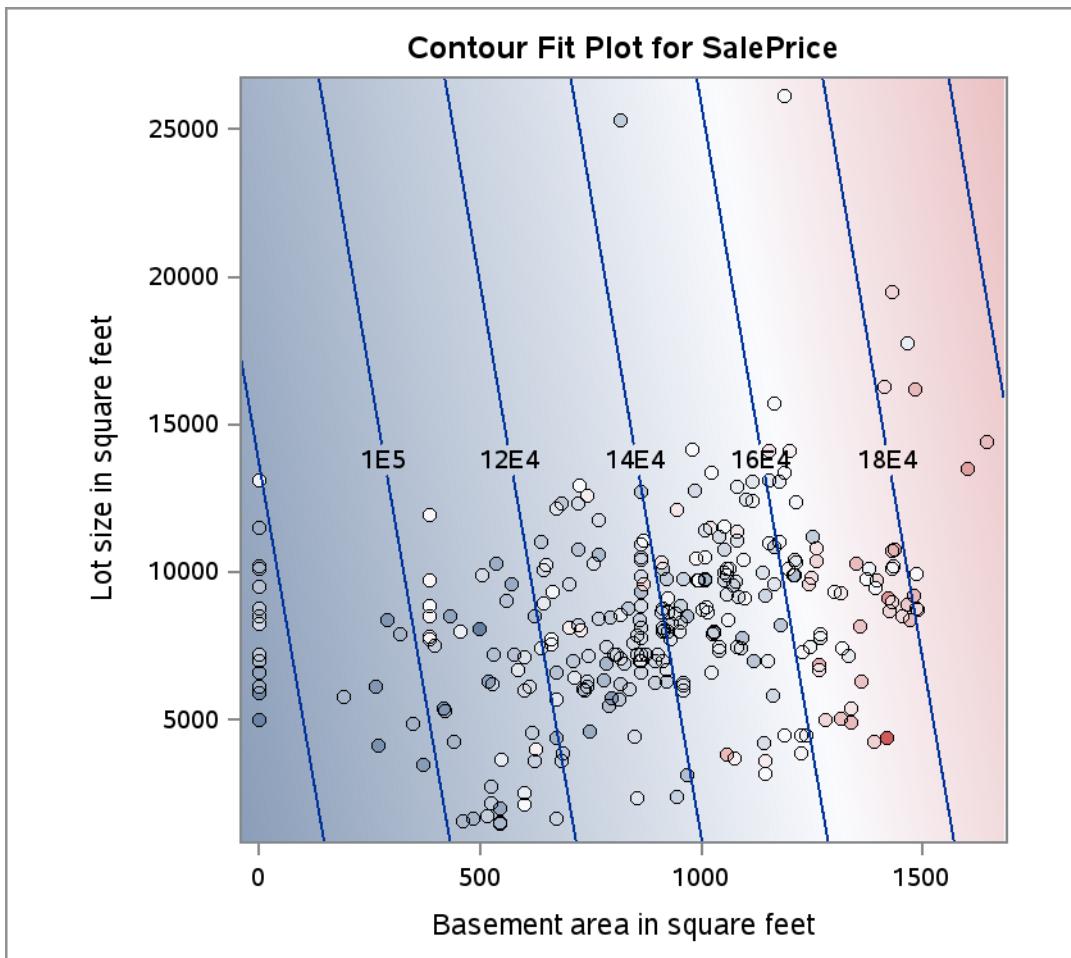
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
<b>Model</b>	2	203220618262	101610309131	137.17	<.0001
<b>Error</b>	297	220002901249	740750509.26		
<b>Corrected Total</b>	299	423223519511			

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
<b>Basement_Area</b>	1	201241844480	201241844480	271.67	<.0001
<b>Lot_Area</b>	1	1978773781.7	1978773781.7	2.67	0.1032

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

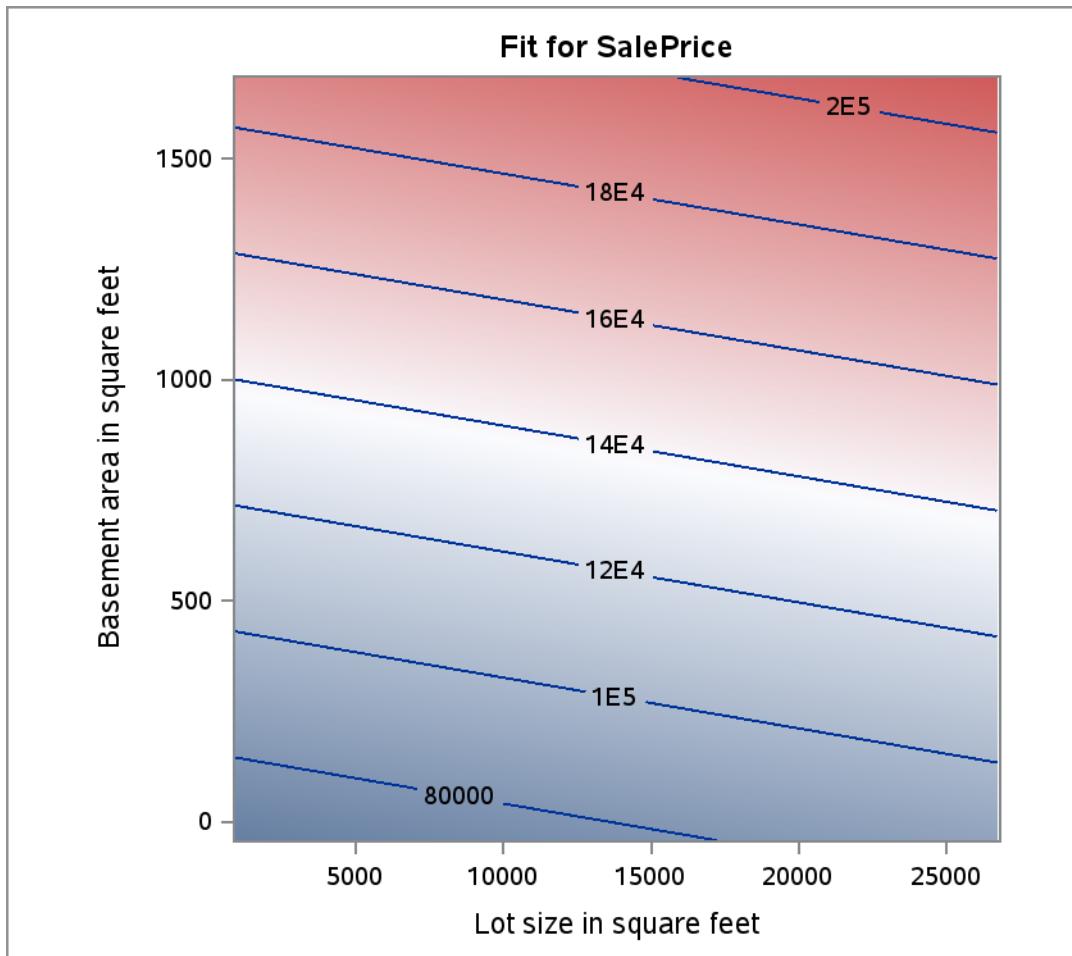
Parameter	Estimate	Standard Error	t Value	Pr >  t
<b>Intercept</b>	69015.61360	5129.521790	13.45	<.0001
<b>Basement_Area</b>	70.08680	4.546183	15.42	<.0001
<b>Lot_Area</b>	0.80430	0.492102	1.63	0.1032

**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.AMESHOUSING3
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**