

## The CORR Procedure

<b>1 With Variables:</b>	score							
<b>8 Variables:</b>	Gr_Liv_Area	Basement_Area	Garage_Area	Deck_Porch_Area	Lot_Area	Age_Sold	Bedroom_AbvGr	Total_Bathroom

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations								
	Gr_Liv_Area	Basement_Area	Garage_Area	Deck_Porch_Area	Lot_Area	Age_Sold	Bedroom_AbvGr	Total_Bathroom
<b>score</b>	-0.61394 <.0001 300	-0.97894 <.0001 300	-0.38872 <.0001 300	-0.35979 <.0001 300	-0.29249 <.0001 300	0.39125 <.0001 300	-0.28357 <.0001 300	-0.51877 <.0001 300

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

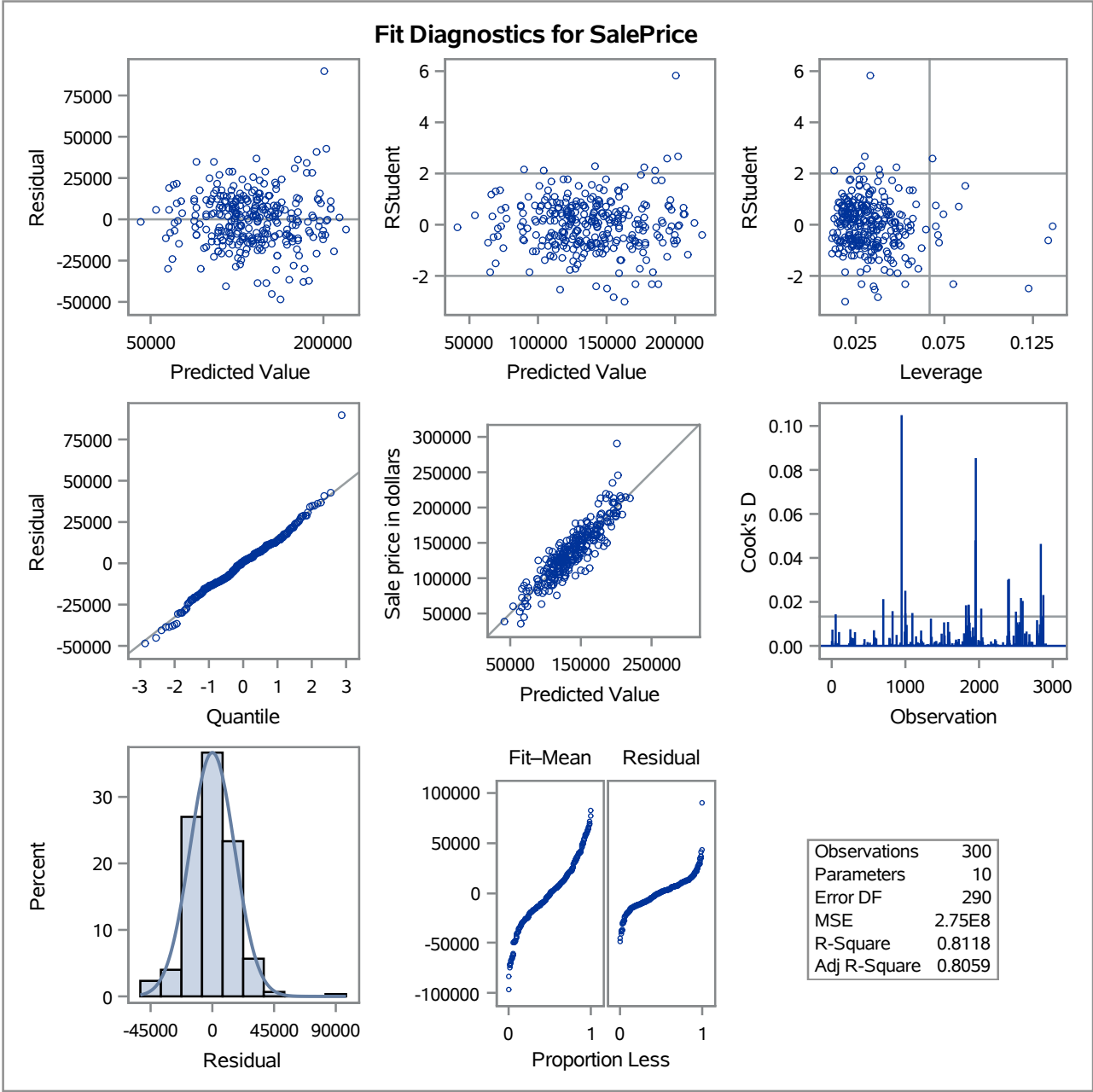
Number of Observations Read	2930
Number of Observations Used	300
Number of Observations with Missing Values	2630

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	9	3.435663E11	38174038666	138.98	<.0001
Error	290	79657171513	274679902		
Corrected Total	299	4.232235E11			

Root MSE	16573	R-Square	0.8118
Dependent Mean	137525	Adj R-Sq	0.8059
Coeff Var	12.05125		

Parameter Estimates							
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t	Variance Inflation
Intercept	Intercept	1	-4254871	3419274	-1.24	0.2144	0
Gr_Liv_Area	Above grade (ground) living area square feet	1	923.25717	684.04818	1.35	0.1782	27569
Basement_Area	Basement area in square feet	1	2178.35638	1709.68175	1.27	0.2036	411868
Garage_Area	Size of garage in square feet	1	35.01213	6.46640	5.41	<.0001	1.41398
Deck_Porch_Area	Total area of decks and porches in square feet	1	30.64725	7.97228	3.84	0.0001	1.21667
Lot_Area	Lot size in square feet	1	0.69964	0.31644	2.21	0.0278	1.20422
Age_Sold	Age of house when sold, in years	1	-422.21228	44.18905	-9.55	<.0001	1.60476
Bedroom_AbvGr	Bedrooms above grade	1	-4888.35244	1687.71153	-2.90	0.0041	1.48233
Total_Bathroom	Total number of bathrooms (half bathrooms counted 10%)	1	3047.94315	1919.03449	1.59	0.1133	1.73073
score		1	429.97552	341.96962	1.26	0.2096	533085

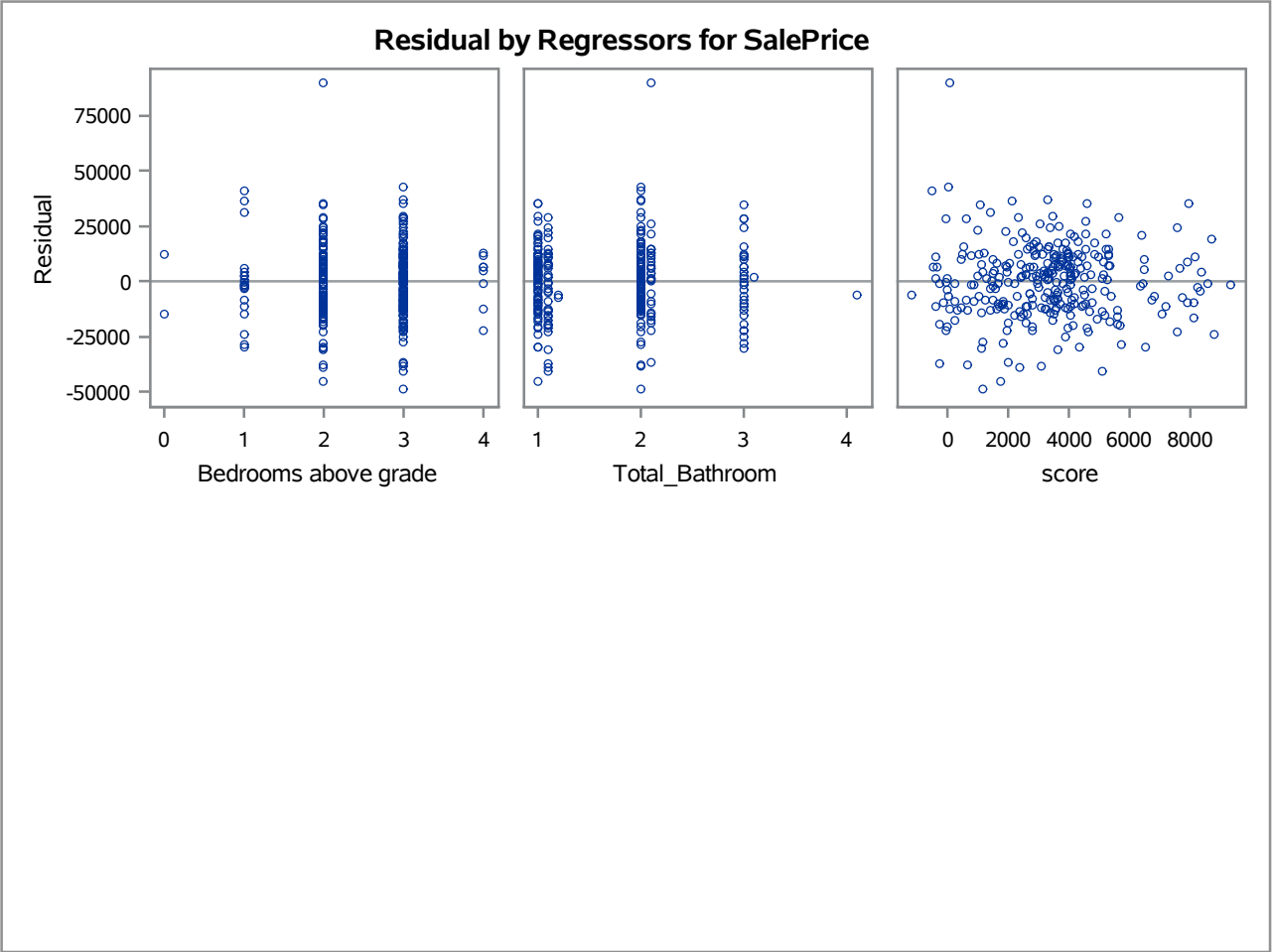
The REG Procedure  
Model: MODEL1  
Dependent Variable: SalePrice Sale price in dollars



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# Collinearity Diagnostics Removing Score

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

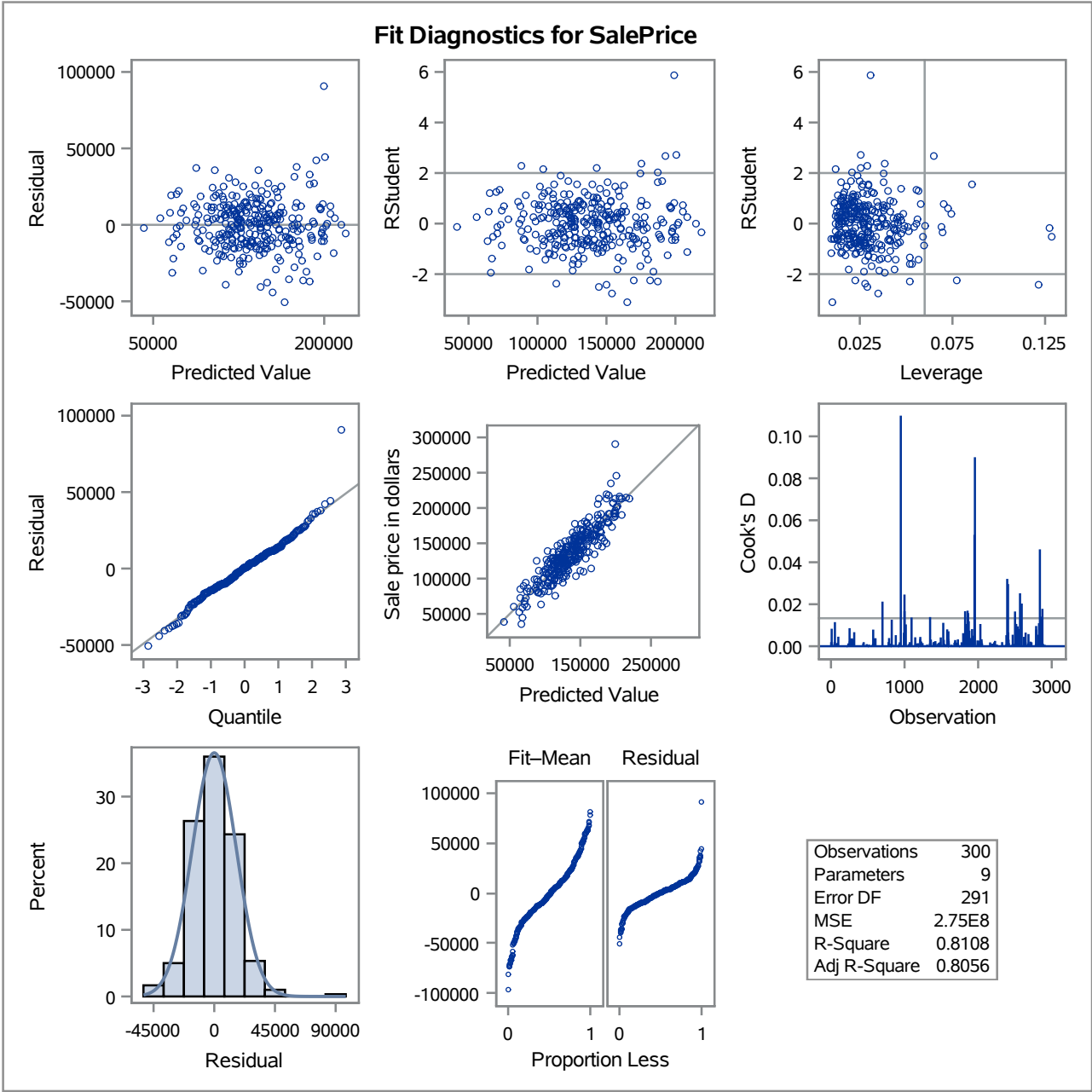
Number of Observations Read	2930
Number of Observations Used	300
Number of Observations with Missing Values	2630

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	3.431321E11	42891512314	155.84	<.0001
Error	291	80091420996	275228251		
Corrected Total	299	4.232235E11			

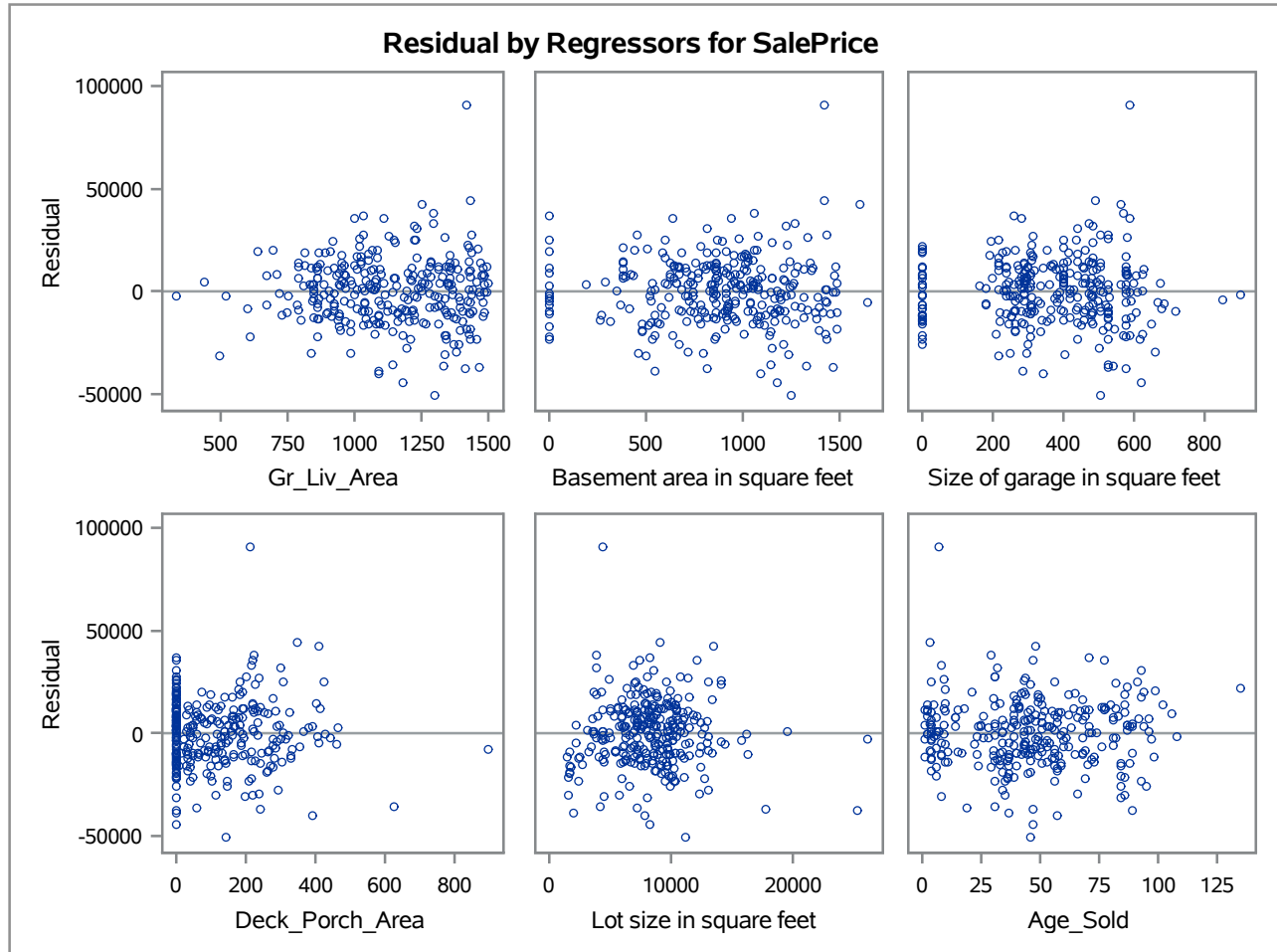
Root MSE	16590	R-Square	0.8108
Dependent Mean	137525	Adj R-Sq	0.8056
Coeff Var	12.06328		

Parameter Estimates							
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t	Variance Inflation
Intercept	Intercept	1	44347	6191.27194	7.16	<.0001	0
Gr_Liv_Area	Above grade (ground) living area square feet	1	63.19776	5.58574	11.31	<.0001	1.83461
Basement_Area	Basement area in square feet	1	28.69218	3.41703	8.40	<.0001	1.64195
Garage_Area	Size of garage in square feet	1	35.75419	6.44584	5.55	<.0001	1.40220
Deck_Porch_Area	Total area of decks and porches in square feet	1	31.37054	7.95944	3.94	0.0001	1.21034
Lot_Area	Lot size in square feet	1	0.69950	0.31676	2.21	0.0280	1.20422
Age_Sold	Age of house when sold, in years	1	-420.81504	44.21914	-9.52	<.0001	1.60375
Bedroom_AbvGr	Bedrooms above grade	1	-4834.84875	1688.85823	-2.86	0.0045	1.48138
Total_Bathroom	Total number of bathrooms (half bathrooms counted 10%)	1	3022.12472	1920.83907	1.57	0.1167	1.73053

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