

### 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	
score	-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**

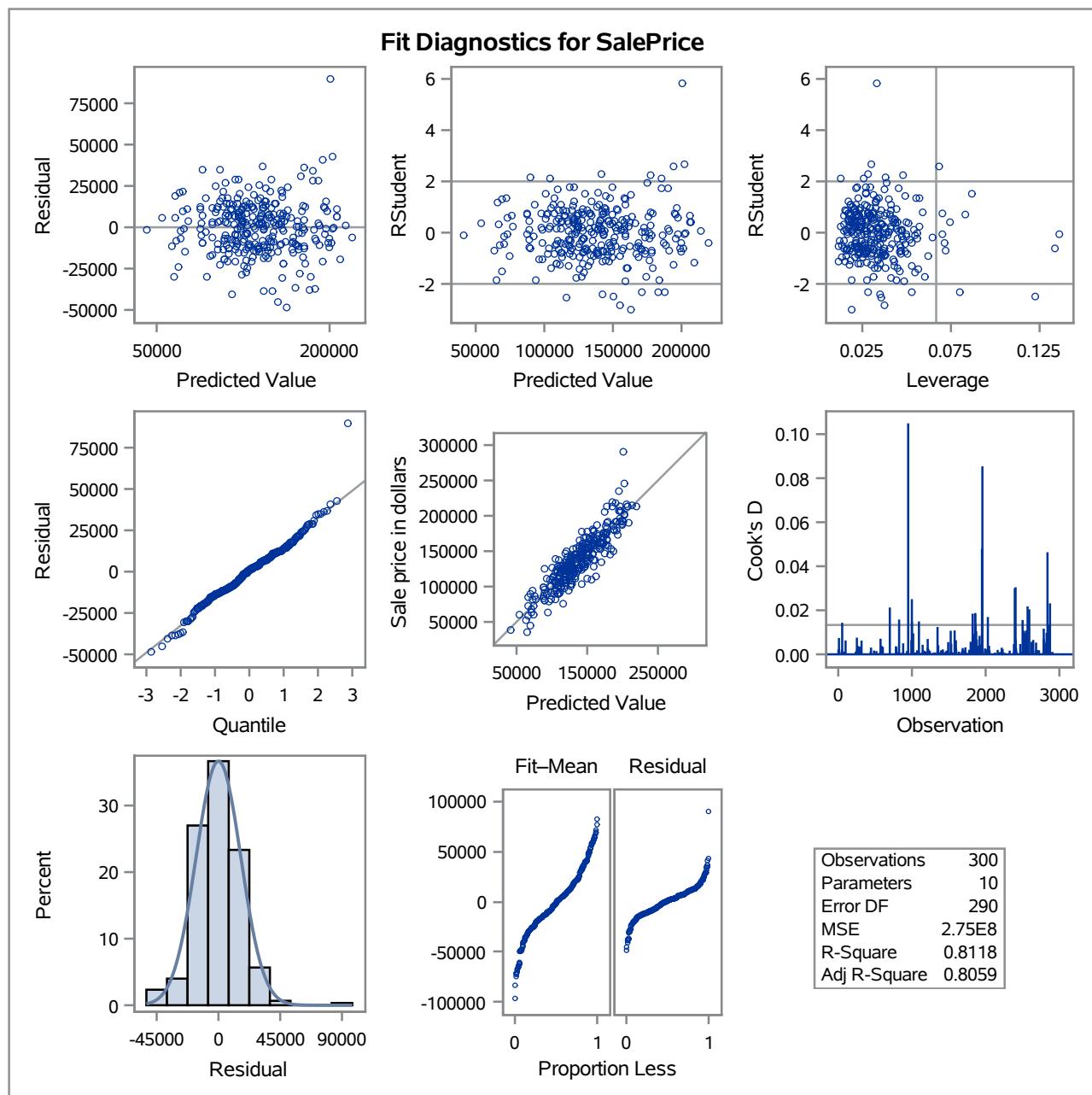
Number of Observations Read	2930
Number of Observations Used	300
Number of Observations with Missing Values	2630

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

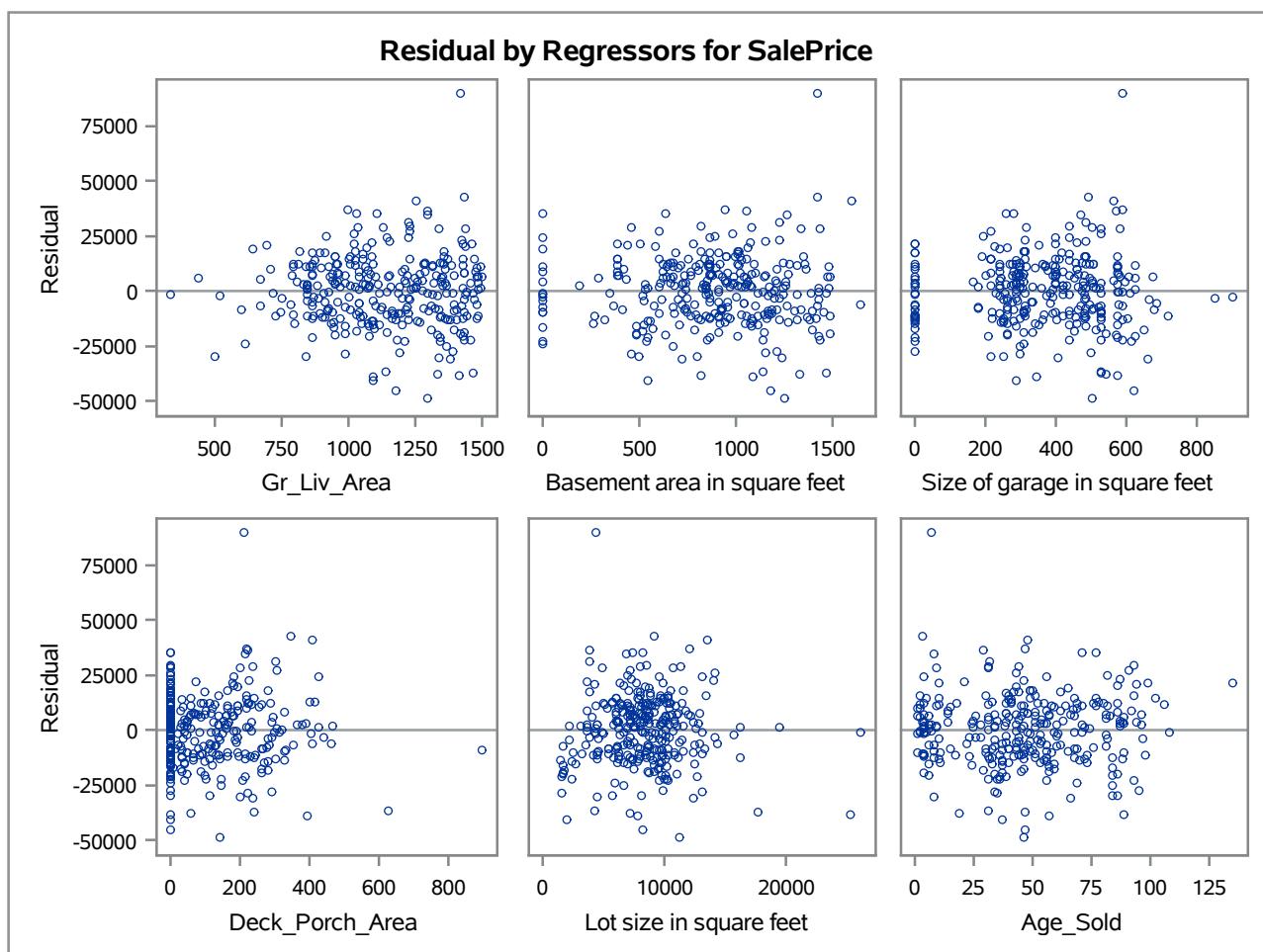
Root MSE	16573	R-Square	0.8118
Dependent Mean	137525	Adj R-Sq	0.8059
Coeff Var	12.05125		

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

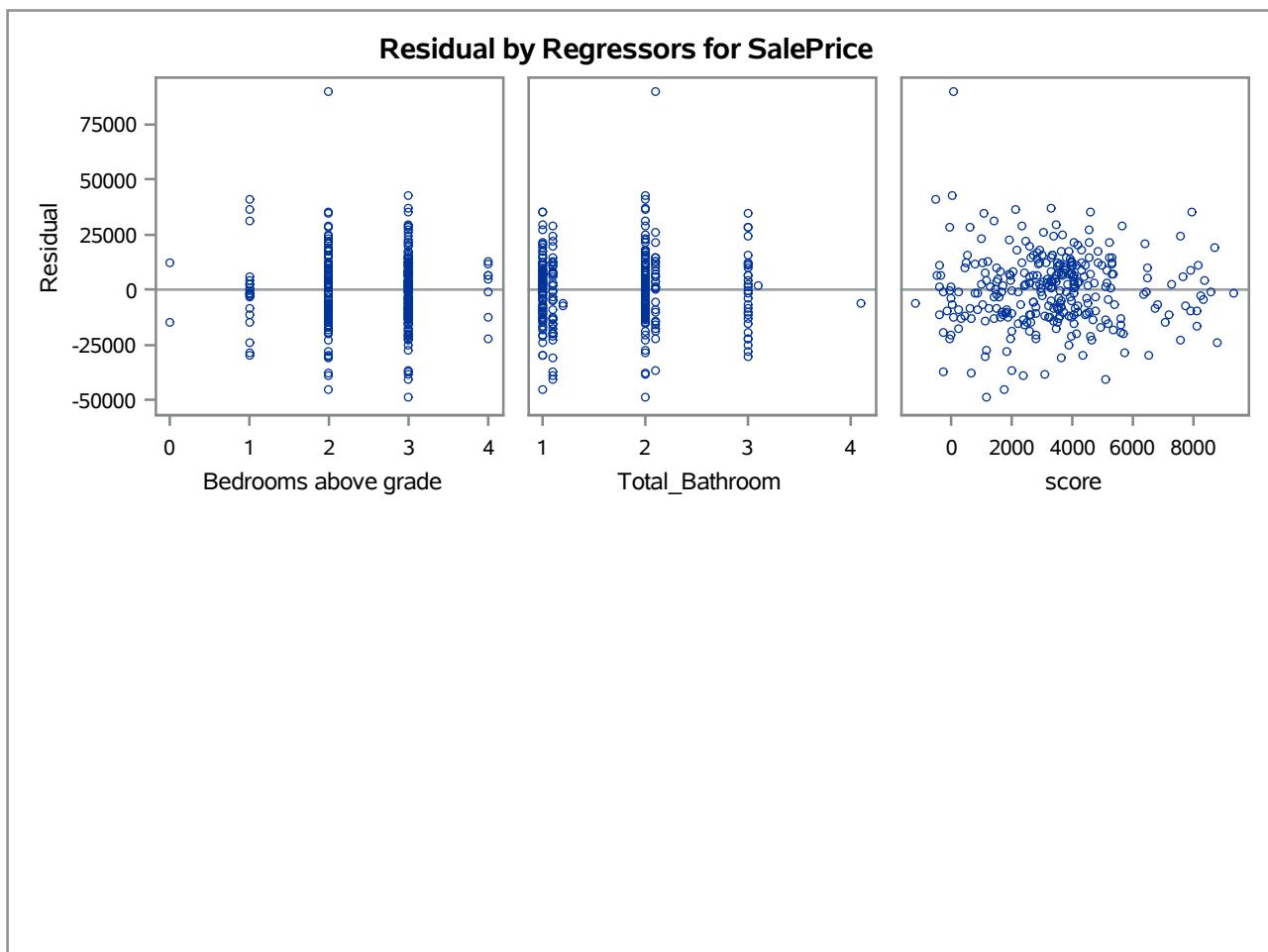
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**Model: MODEL1**  
**Dependent Variable: SalePrice Sale price in dollars**



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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
<b>Model</b>	8	3.431321E11	42891512314	155.84	<.0001
<b>Error</b>	291	80091420996	275228251		
<b>Corrected Total</b>	299	4.232235E11			

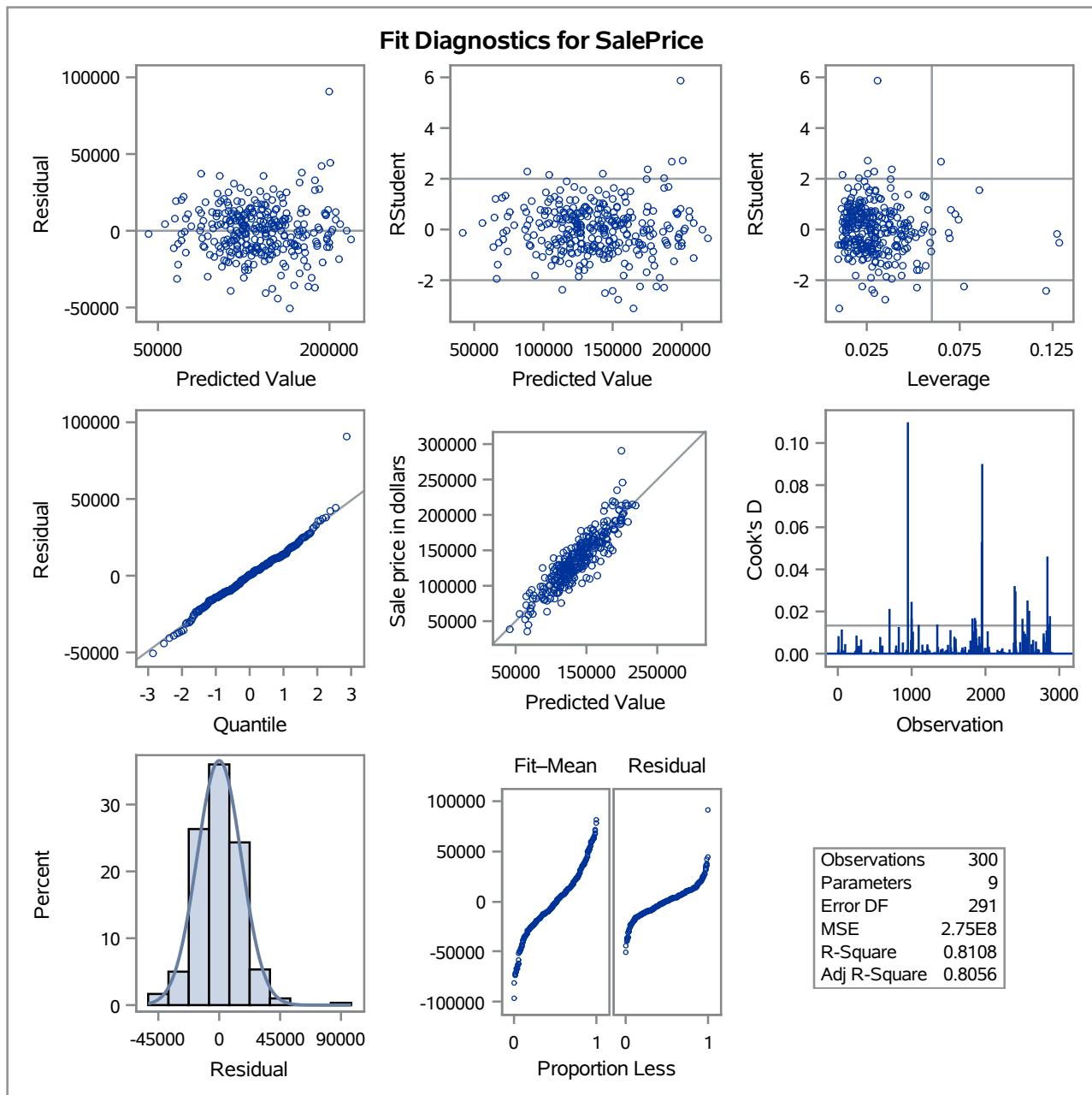
<b>Root MSE</b>	16590	<b>R-Square</b>	0.8108
<b>Dependent Mean</b>	137525	<b>Adj R-Sq</b>	0.8056
<b>Coeff Var</b>	12.06328		

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

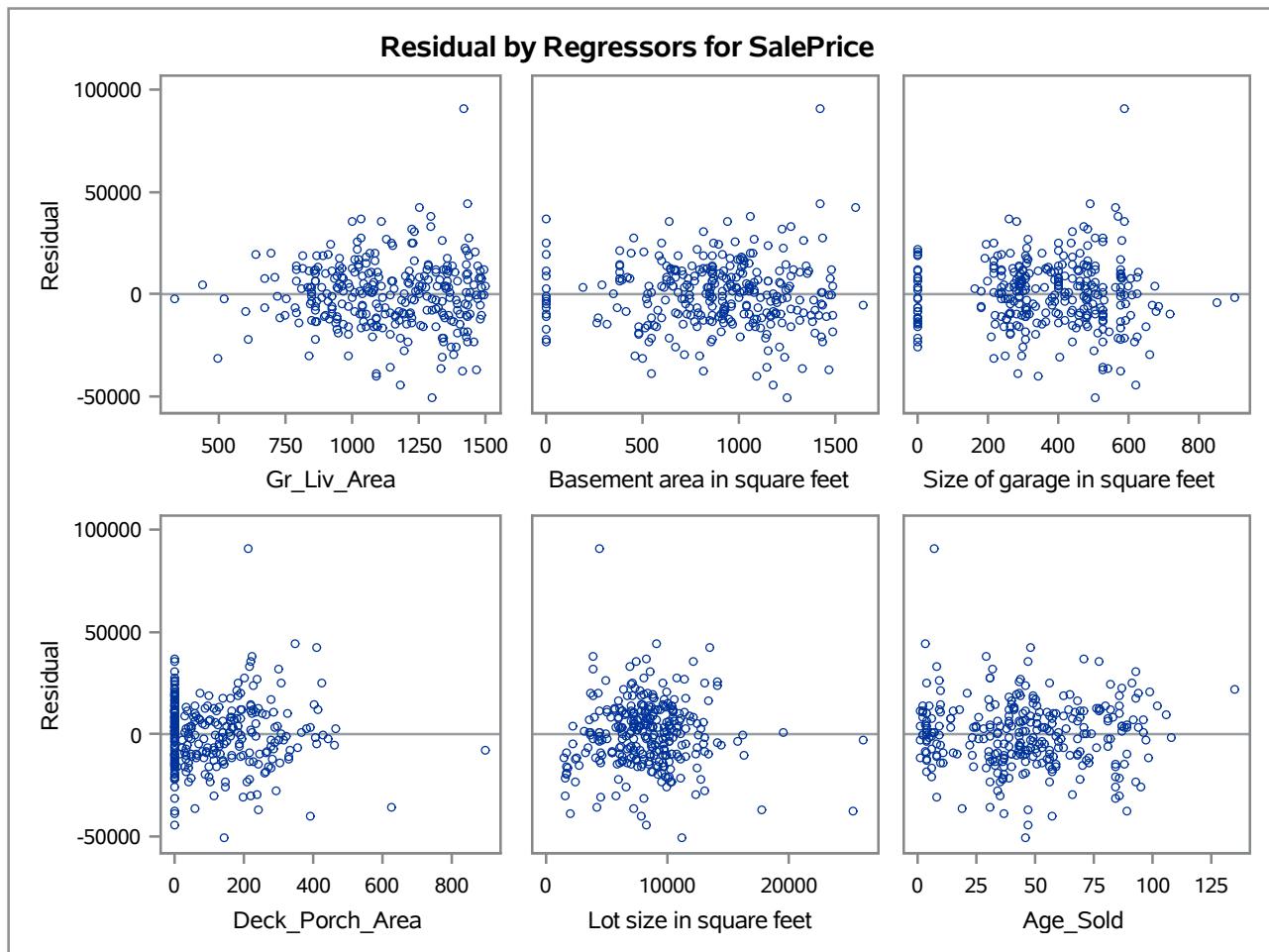
# Collinearity Diagnostics Removing Score

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**Model: NOSCORE**  
**Dependent Variable: SalePrice Sale price in dollars**



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