Multiple Regression Analysis on PC with significant variables

Model: MODEL1
Dependent Variable: SalePrice SalePrice

Number of Observations Read	2630
Number of Observations Used	2630

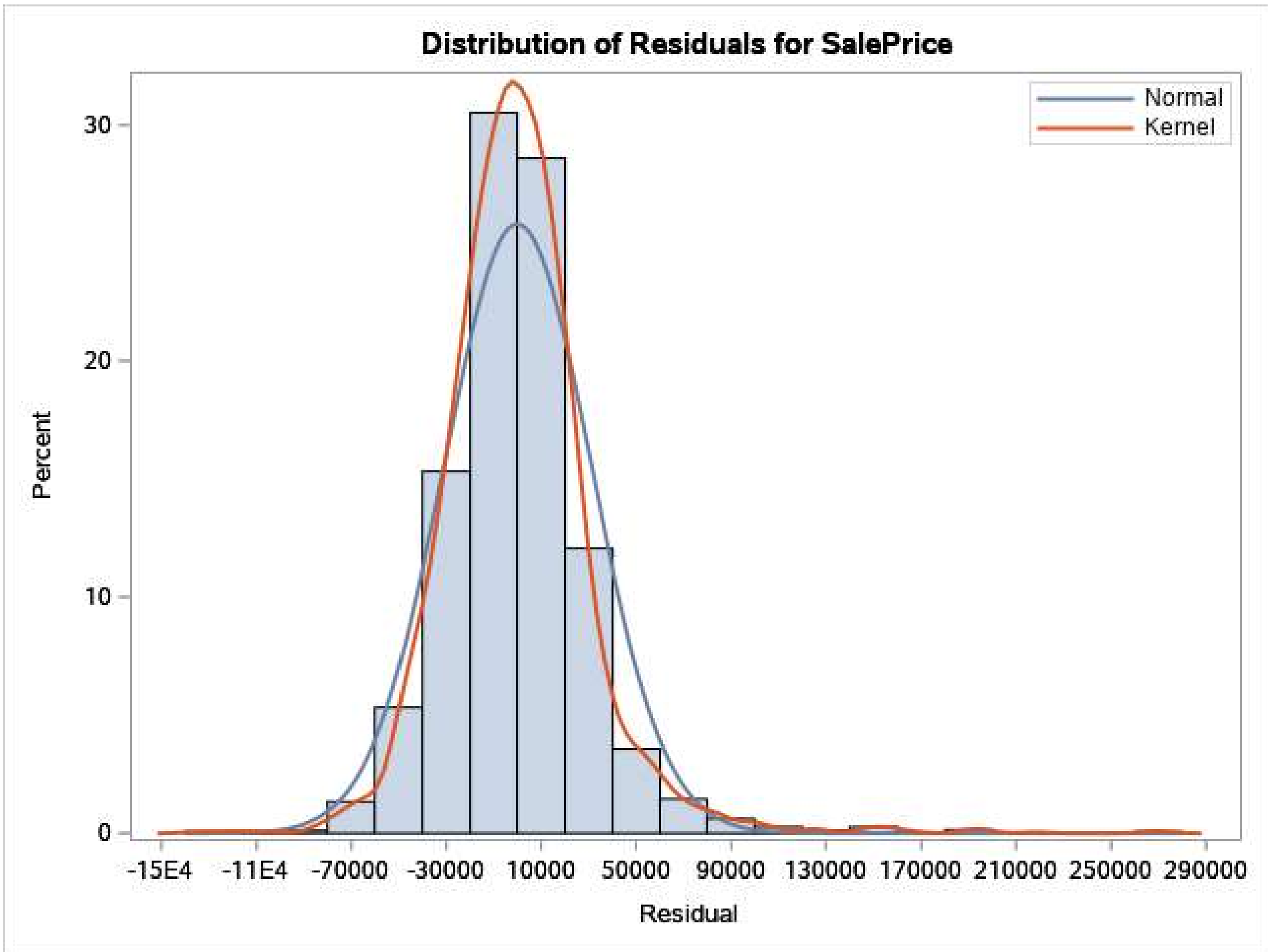
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	1.406947E13	1.758683E12	1830.46	<.0001
Error	2621	2.518223E12	960787256		
Corrected Total	2629	1.658769E13			

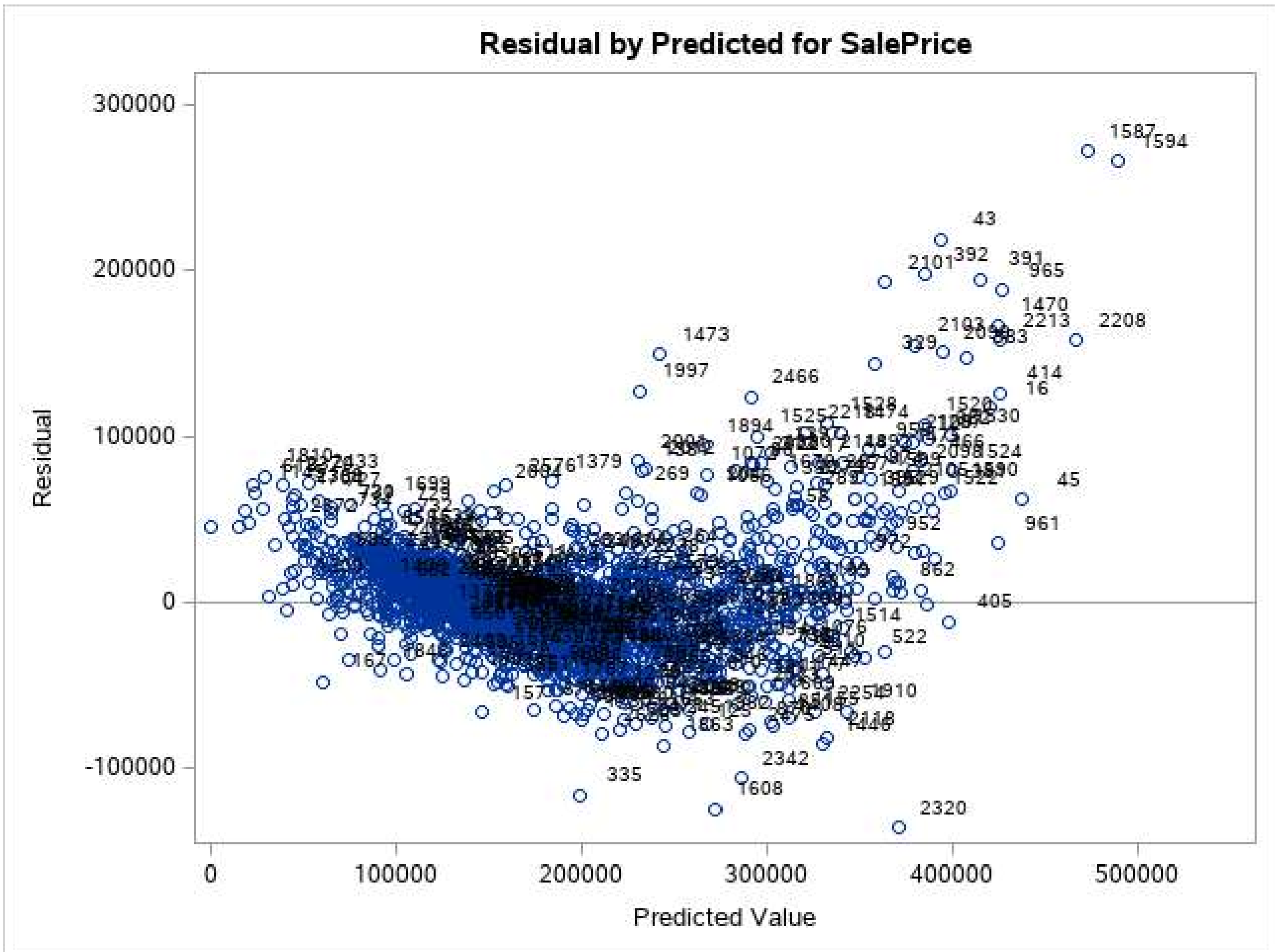
Root MSE	30997	R-Square	0.8482
Dependent Mean	185496	Adj R-Sq	0.8477
Coeff Var	16.71010		

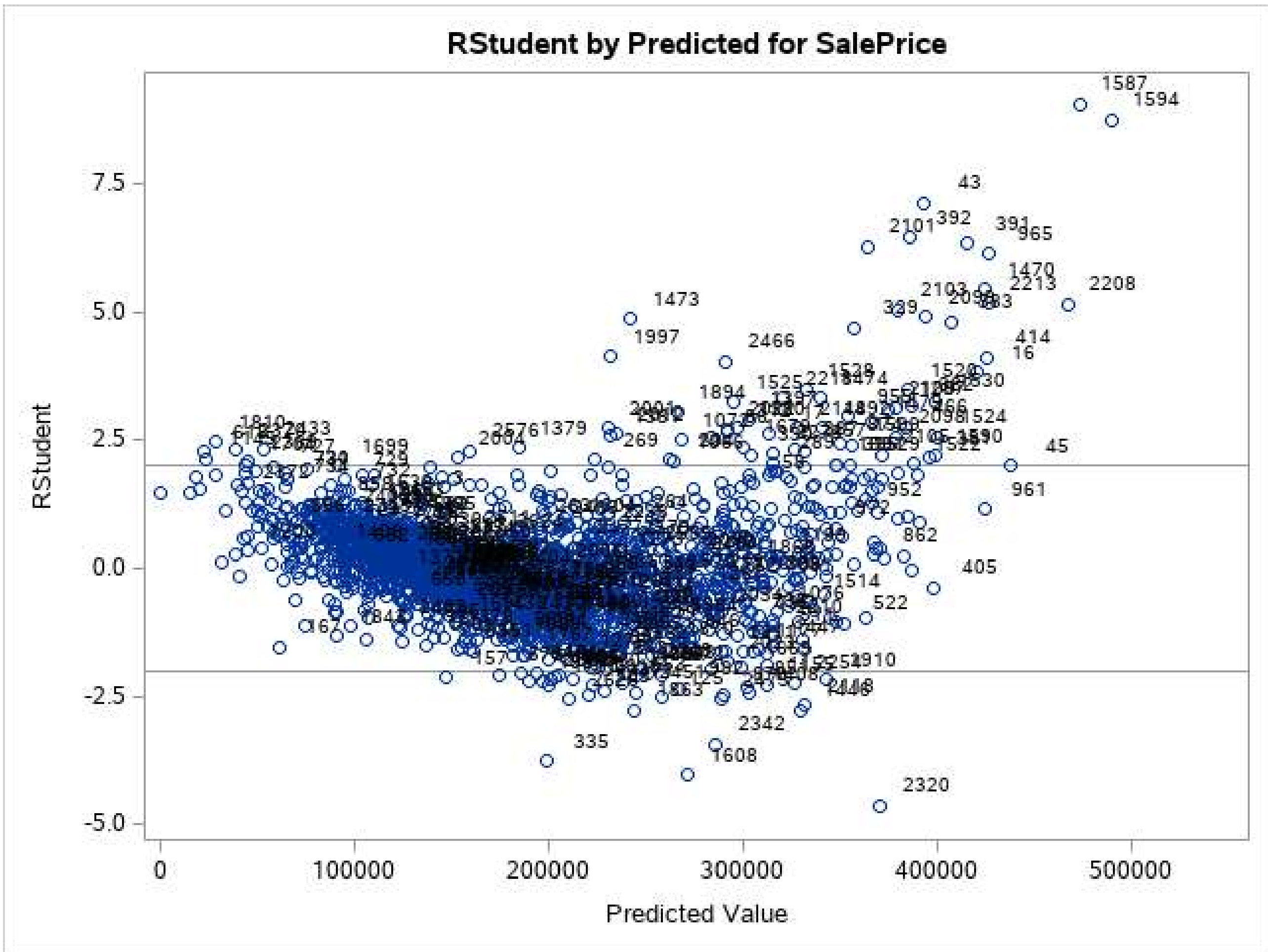
Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	185496	604.41571	306.90	<.0001
Prin1		1	24532	210.79790	116.38	<.0001
Prin3		1	9677.42893	399.24827	24.24	<.0001
Prin5		1	4118.94608	445.48809	9.25	<.0001
Prin6		1	6834.02727	483.87629	14.12	<.0001
Prin7		1	4830.07806	530.05998	9.11	<.0001
Prin8		1	-5310.15529	548.48714	-9.68	<.0001
Prin9		1	-3294.69625	561.16338	-5.87	<.0001
Prin10		1	2310.24275	577.11926	4.00	<.0001

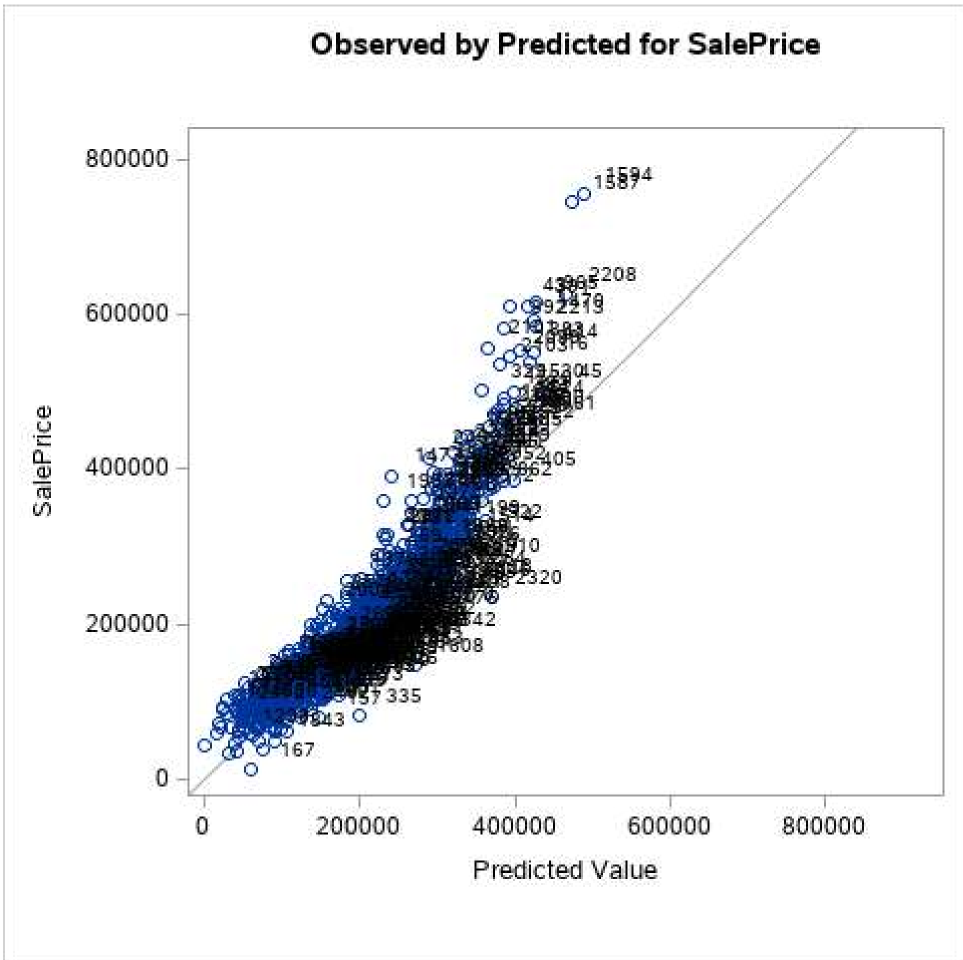
Multiple Regression Analysis on PC with significant variables

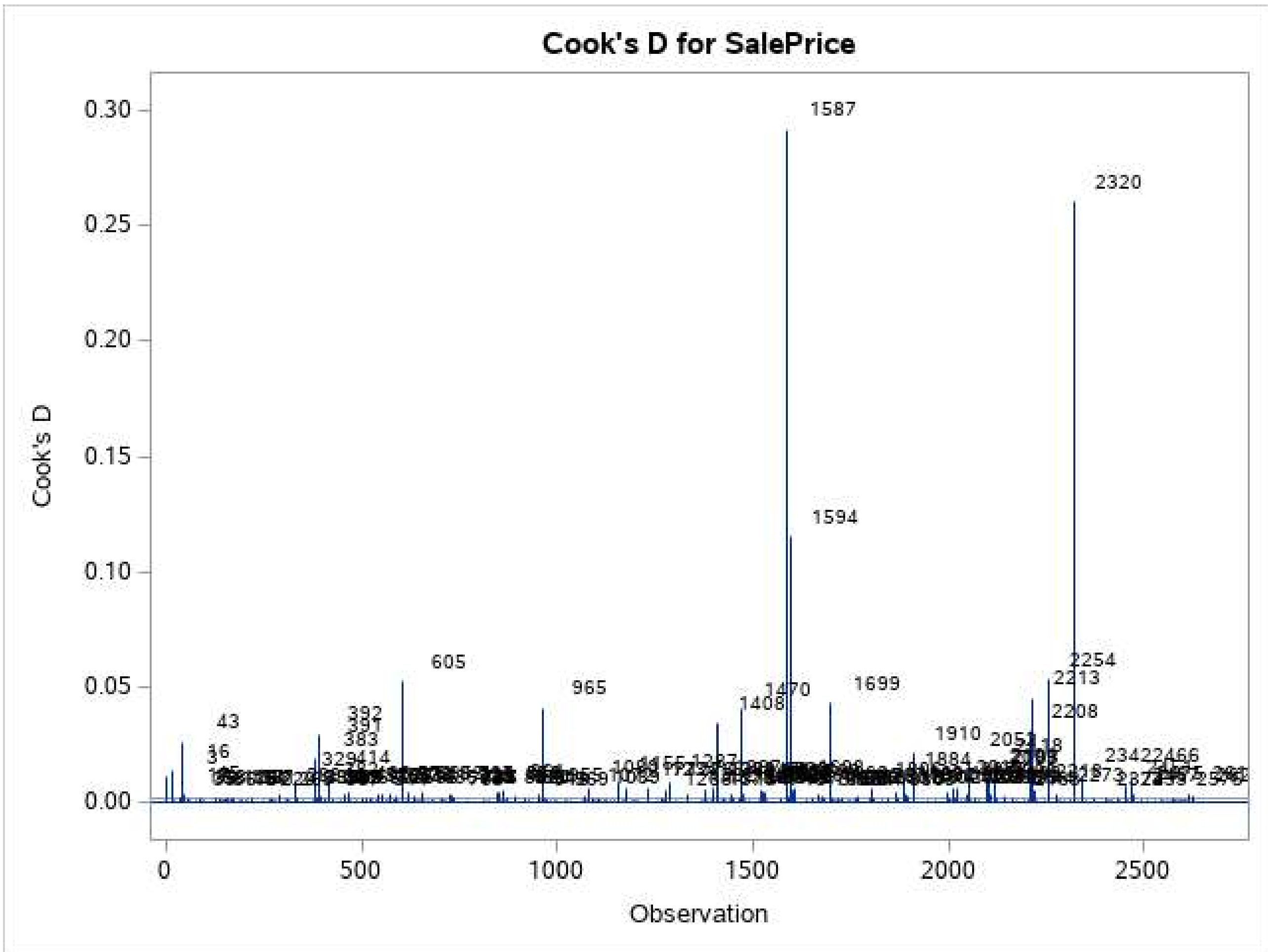
Model: MODEL1
Dependent Variable: SalePrice SalePrice


Distribution of Residuals for SalePrice
Normal
Kernel
Percent
0
10
20
30
-15E4
-11E4
-70000
-30000
10000
50000
90000
130000
170000
210000
250000
290000
Residual

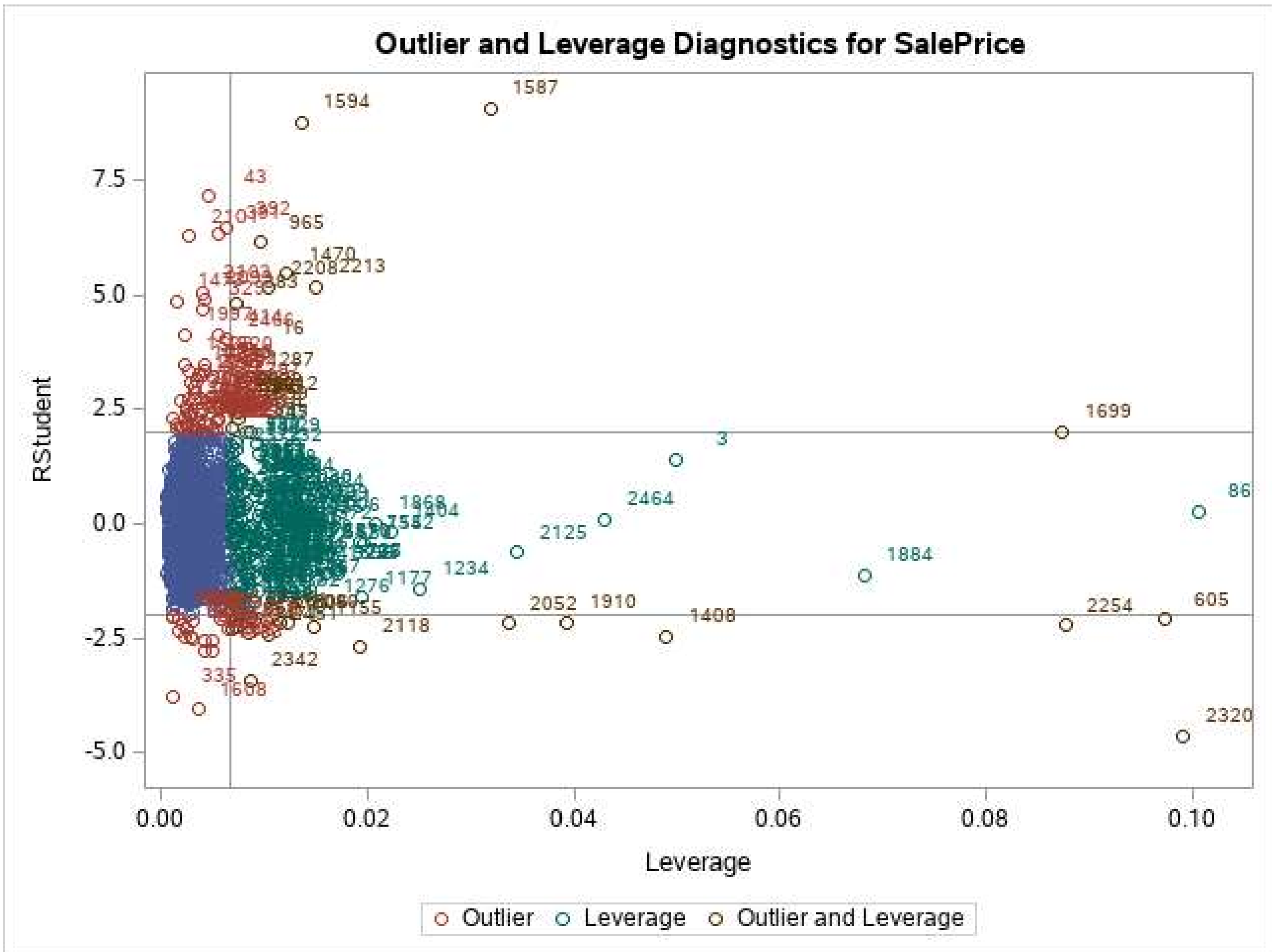

Residual by Predicted for SalePrice
Residual
-100000
0
100000
200000
300000
0
100000
200000
300000
400000
500000
Predicted Value
1587
1594
43
2101
392
391
965
1470
2213
2208
1473
1997
2466
414
16
45
961
952
862
405
1514
522
1910
2342
335
1608
2320


RStudent by Predicted for SalePrice
RStudent
Predicted Value
7.5
5.0
2.5
0.0
-2.5
-5.0
0
100000
200000
300000
400000
500000

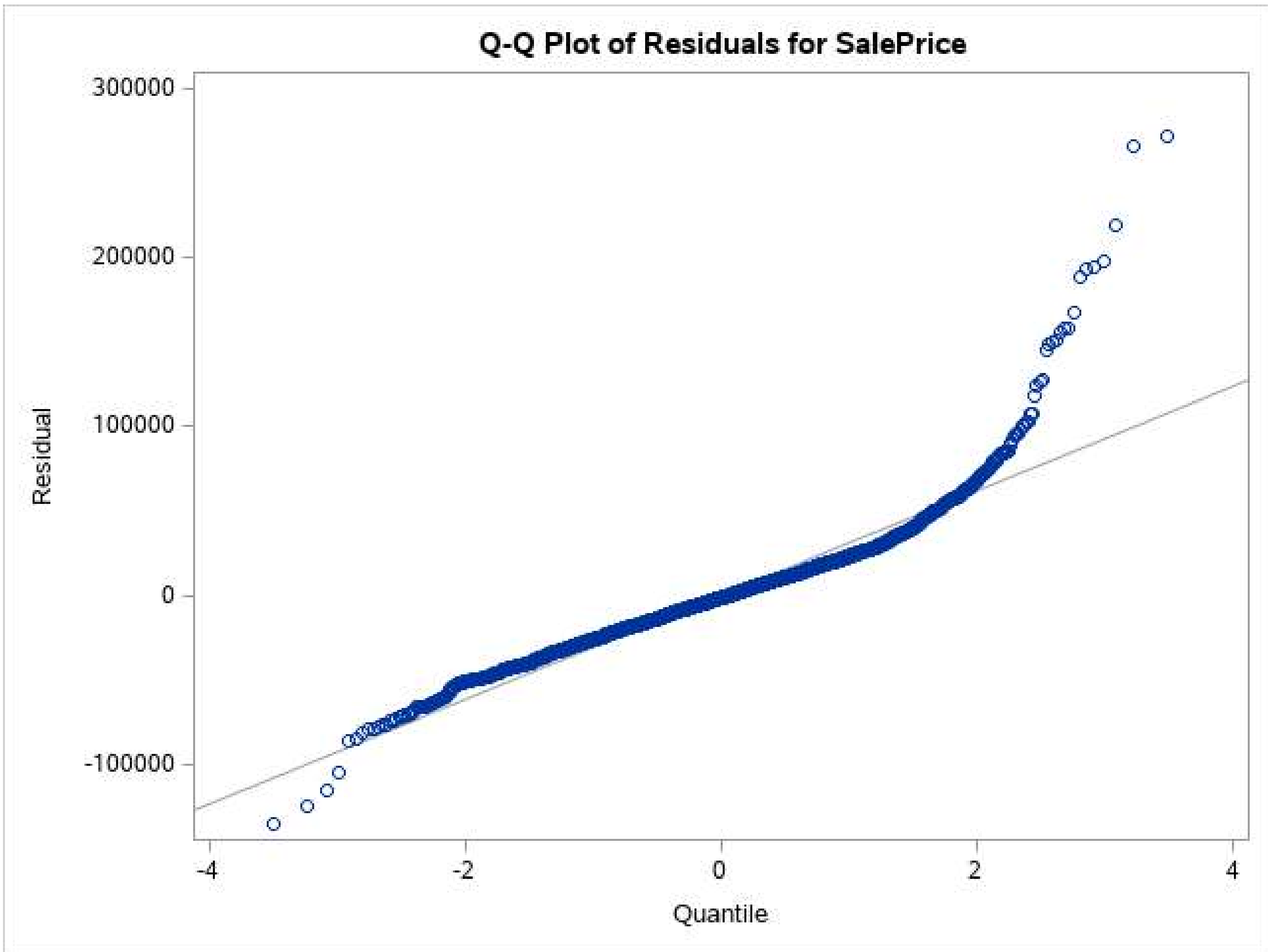

Observed by Predicted for SalePrice
SalePrice
Predicted Value
800000
600000
400000
200000
0
0
200000
400000
600000
800000

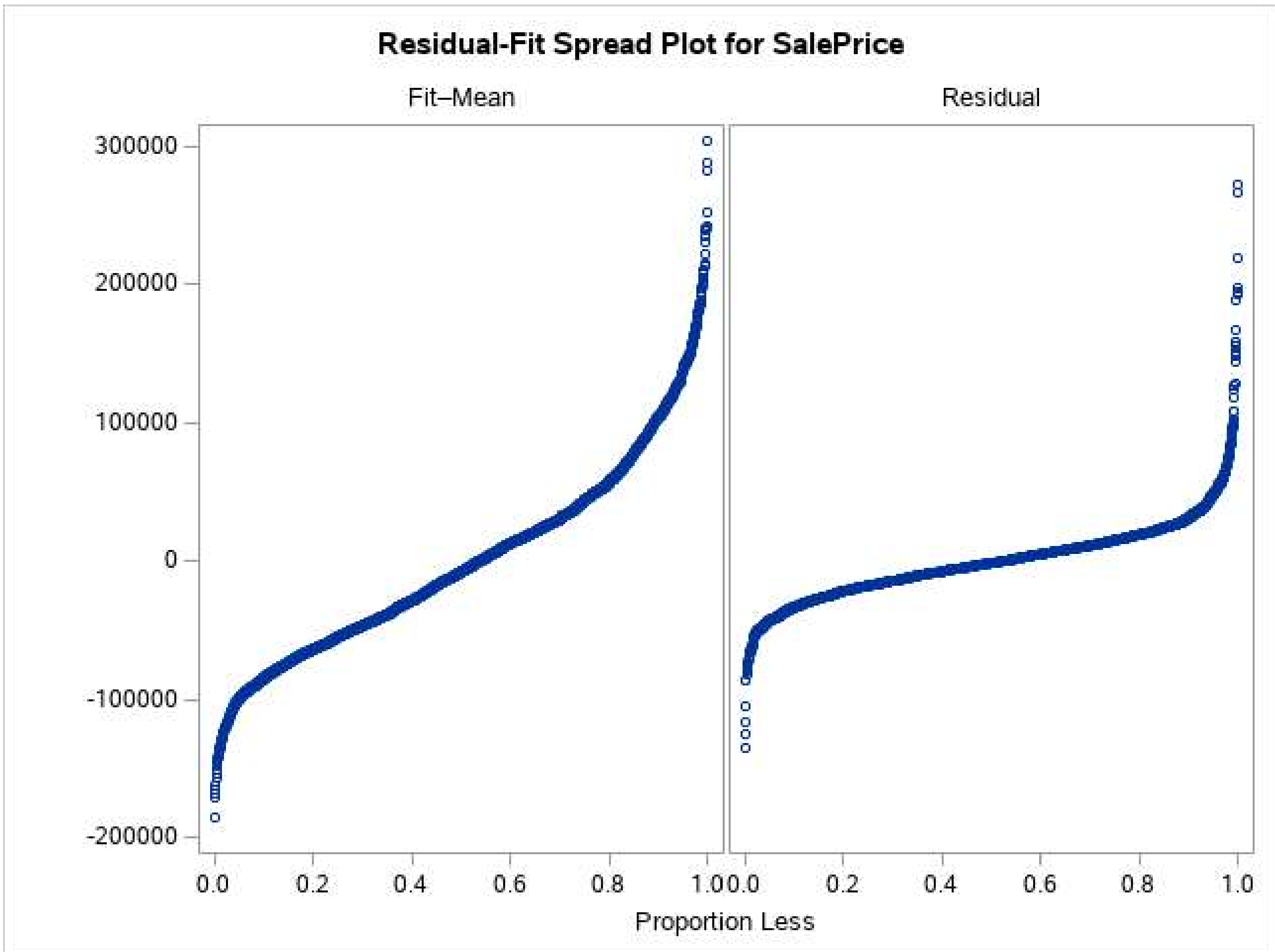


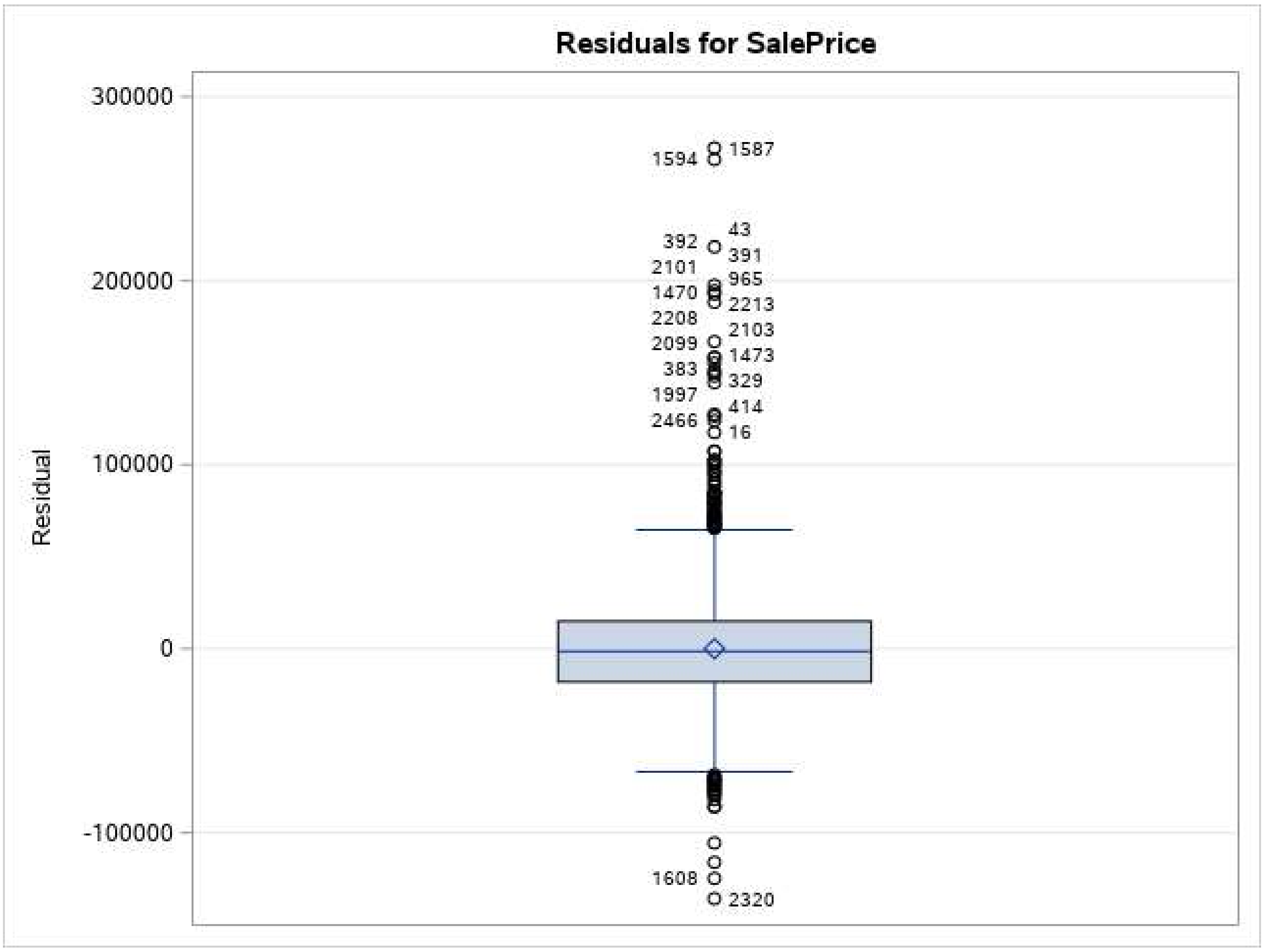
Cook's D for SalePrice
Cook's D
Observation
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
500
1000
1500
2000
2500
1587
2320
1594
605
965
1470
1408
1699
2254
2213
2208
1910
43



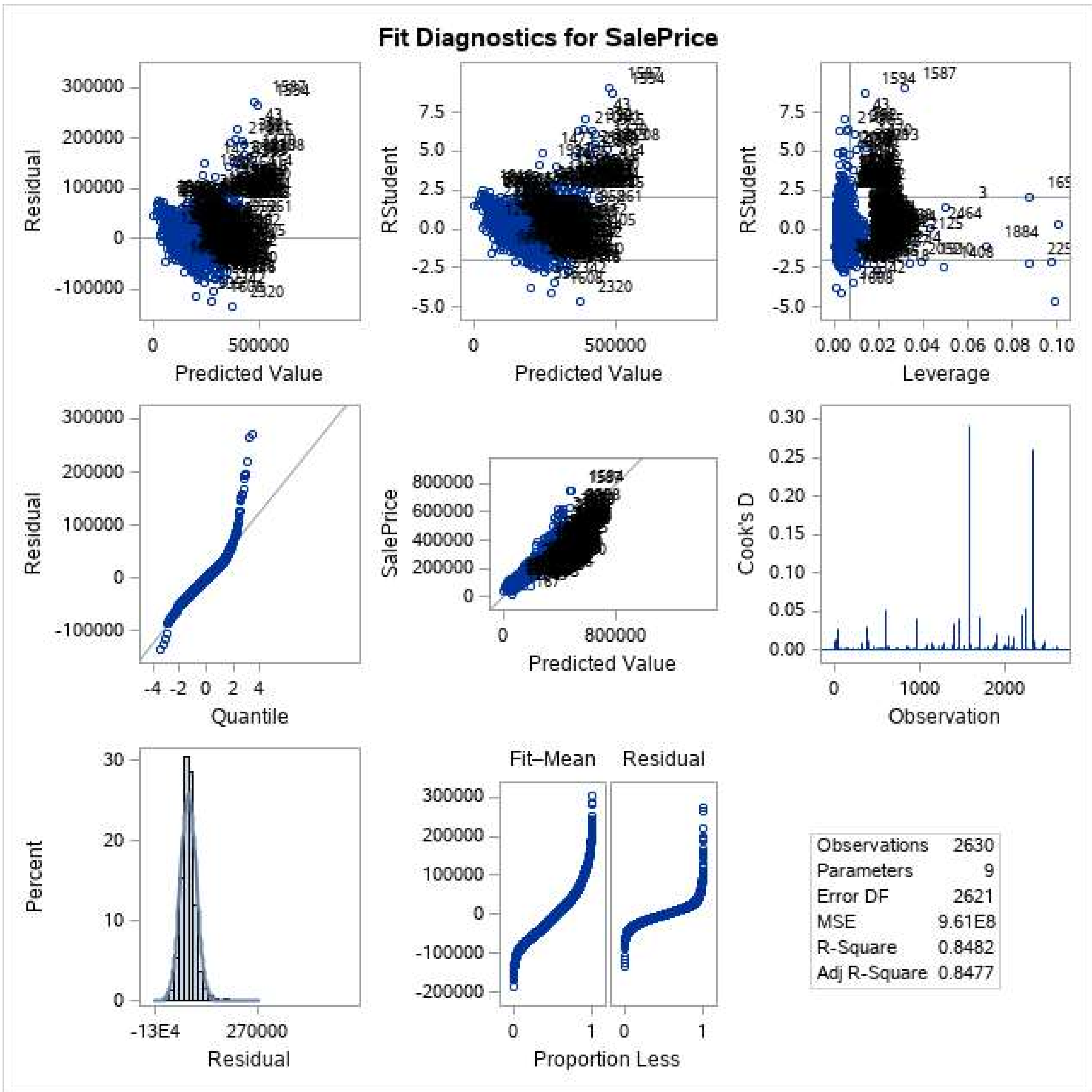
Outlier and Leverage Diagnostics for SalePrice
RStudent
Leverage
7.5
5.0
2.5
0.0
-2.5
-5.0
0.00
0.02
0.04
0.06
0.08
0.10
1594
1587
43
965
1699
3
2464
2125
1884
1234
2052
1910
1408
2254
605
2320
2118
2342
Outlier
Leverage
Outlier and Leverage


Q-Q Plot of Residuals for SalePrice
300000
200000
100000
0
-100000
Residual
-4
-2
0
2
4
Quantile

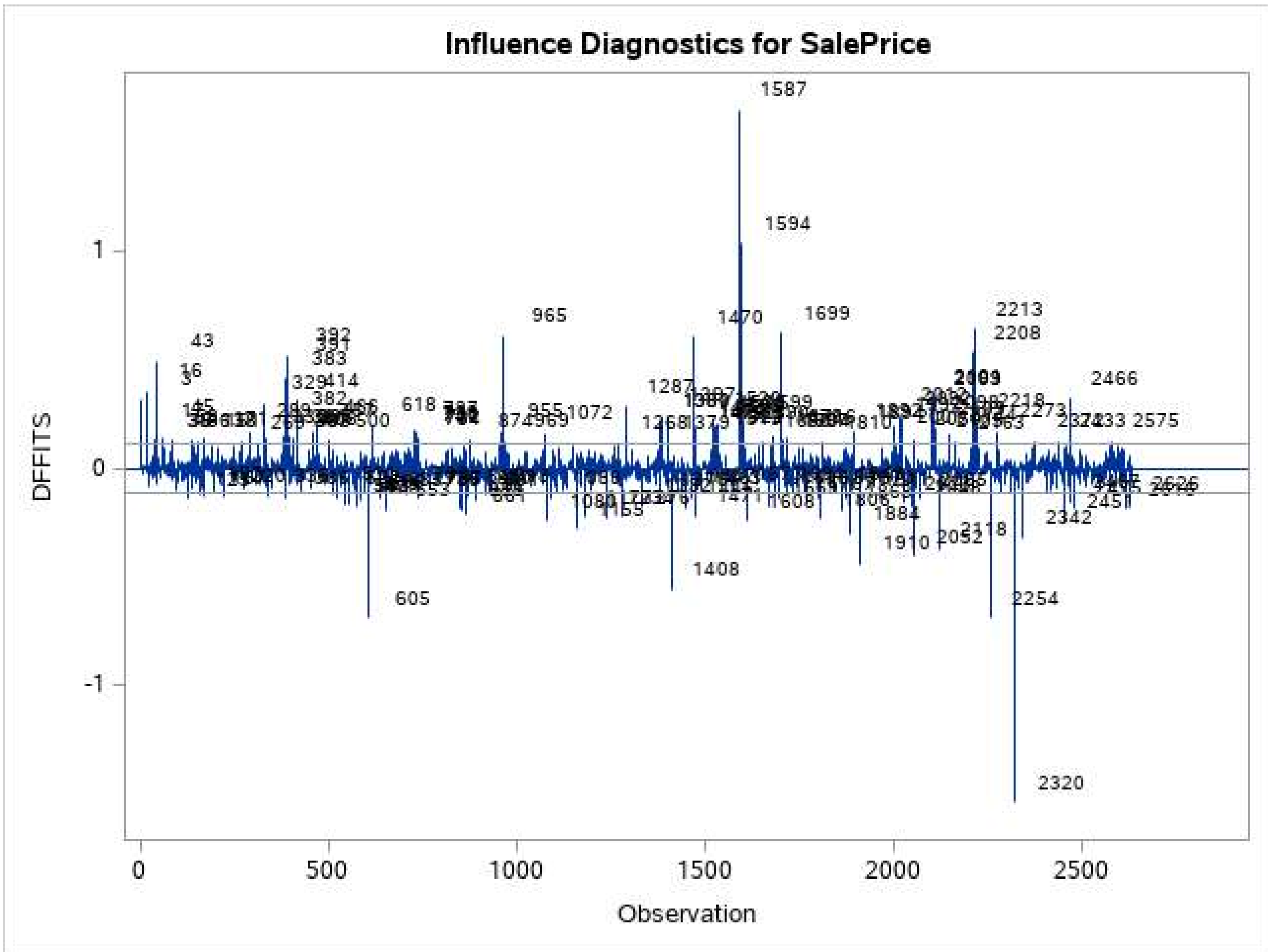

Residual-Fit Spread Plot for SalePrice
Fit–Mean
Residual
300000
200000
100000
0
-100000
-200000
0.0
0.2
0.4
0.6
0.8
1.0
Proportion Less



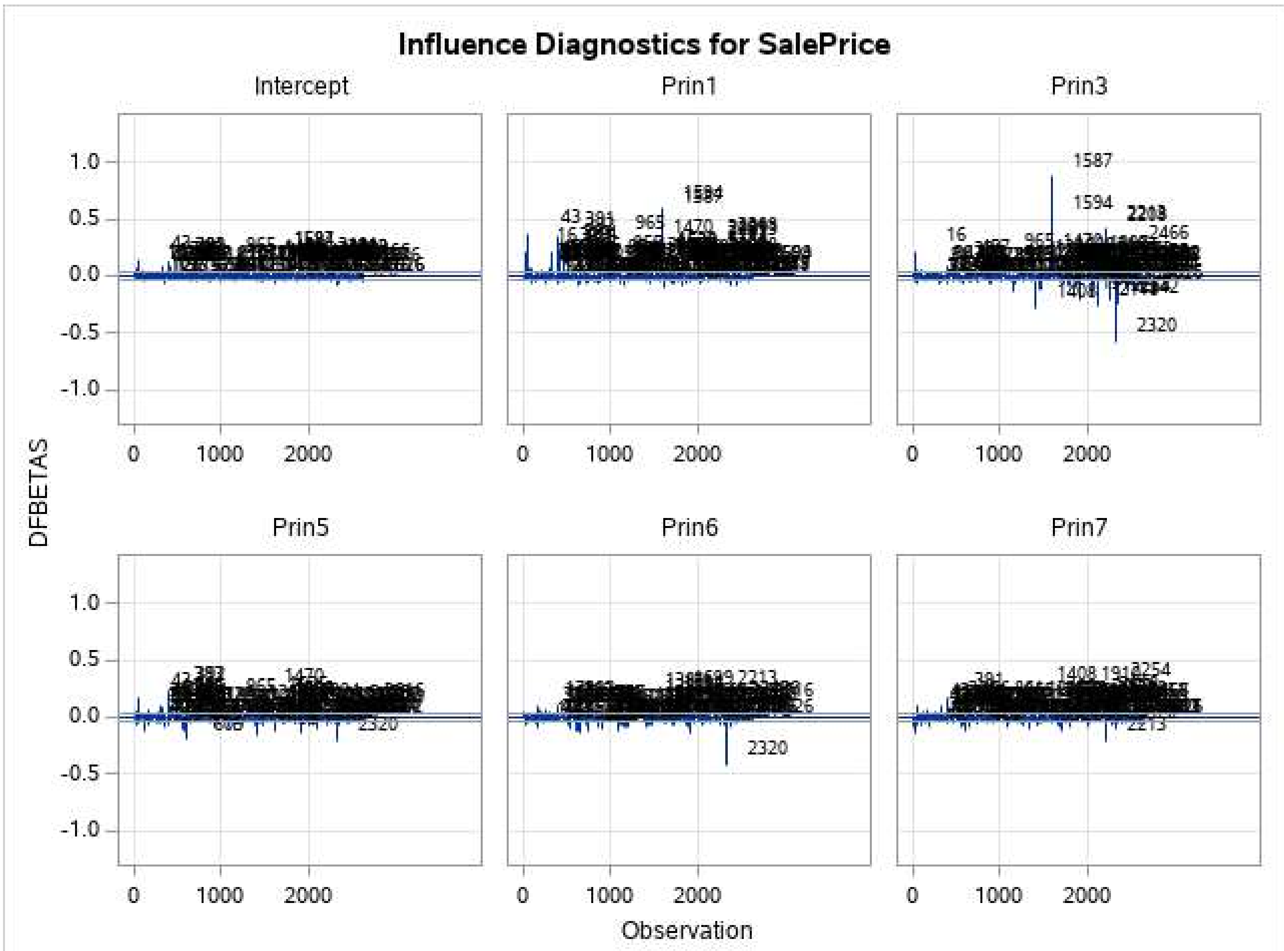
Residuals for SalePrice
300000
200000
100000
0
-100000
Residual
1587
1594
43
392
391
2101
965
1470
2213
2208
2103
2099
1473
383
329
1997
414
2466
16
1608
2320



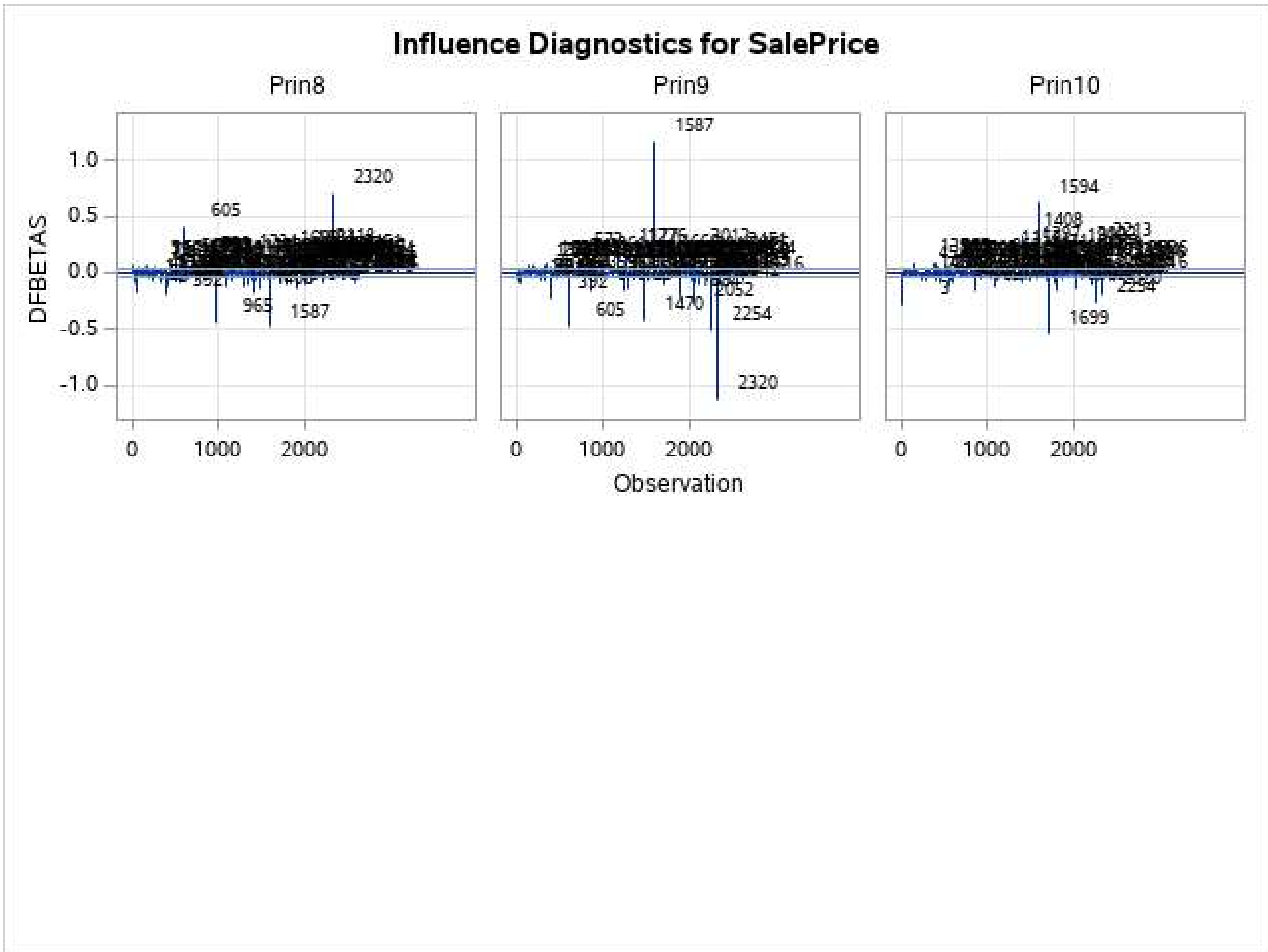
Fit Diagnostics for SalePrice
Residual
Predicted Value
RStudent
Leverage
Quantile
SalePrice
Cook's D
Observation
Percent
Fit–Mean
Proportion Less
Observations 2630
Parameters 9
Error DF 2621
MSE 9.61E8
R-Square 0.8482
Adj R-Square 0.8477

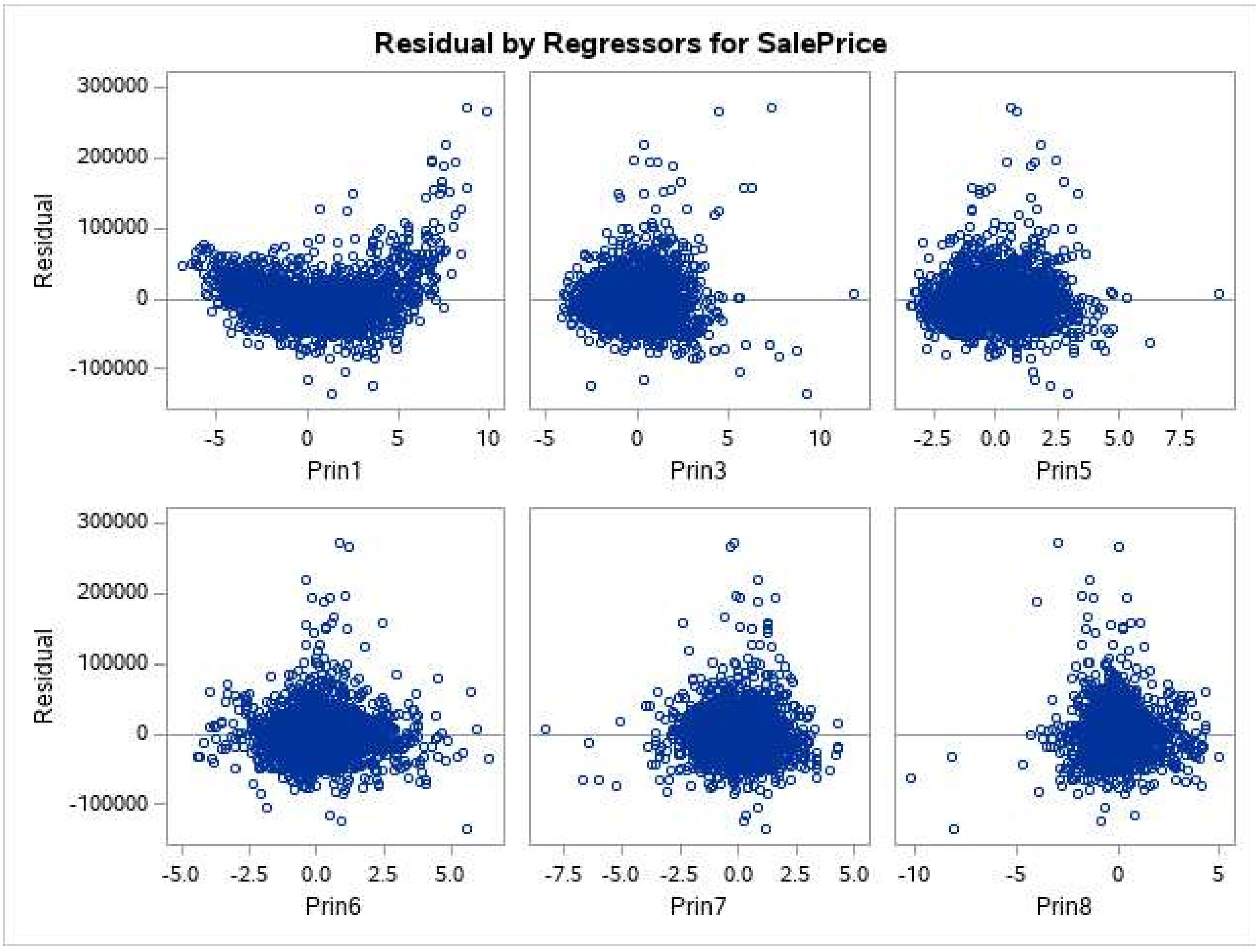


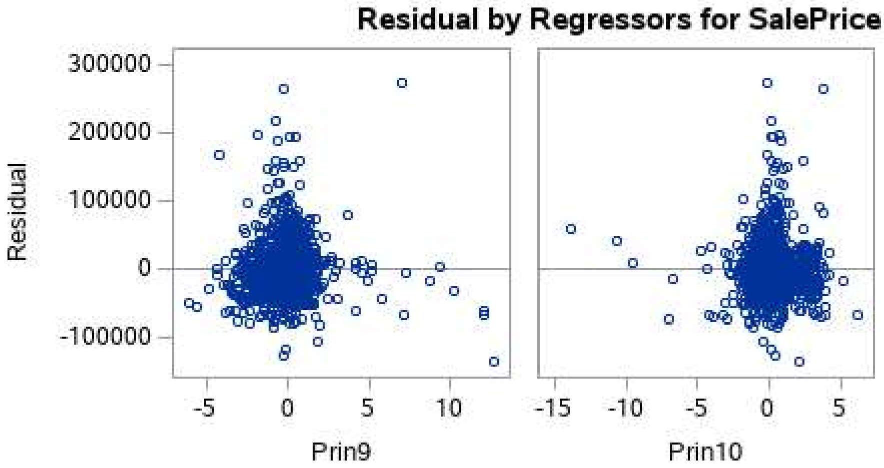
Influence Diagnostics for SalePrice
DFFITS
Observation
1587
1594
2320
605
1408
2254



Influence Diagnostics for SalePrice
Intercept
Prin1
Prin3
Prin5
Prin6
Prin7
DFBETAS
Observation


Influence Diagnostics for SalePrice
Prin8
Prin9
Prin10
DFBETAS
1.0
0.5
0.0
-0.5
-1.0
0
1000
2000
Observation
2320
605
965
1587
1470
2254
2052
1594
1408
1699
2254


Residual by Regressors for SalePrice
Residual
300000
200000
100000
0
-100000
Prin1
Prin3
Prin5
Prin6
Prin7
Prin8


Residual by Regressors for SalePrice
Residual
300000
200000
100000
0
-100000
-5
0
5
10
Prin9
-15
-10
-5
0
5
Prin10