Data Set	PROJECT.SQRT TRANSFORM 2
Dependent Variable	Price
Selection Method	None
Random Number Seed	12345

Number of Observations Read	550
Number of Observations Used	550
Number of Observations Used for Training	459
Number of Observations Used for Testing	91

Class Level Information		
Class	Levels	Values
beds	5	2 3 4 5 6
bath	5	1 2 3 4 5
vacant	2	0 1
stories	2	1 2

Dimensions	
Number of Effects	22
Number of Parameters	102

Least Squares Summary						
Step	Effect Entered	Number Effects In	Number Parms In	SBC	ASE	Test ASE
0	Intercept	1	1	3598.2709	2504.9323	2870.1219
1	beds	2	5	3484.3600	1852.7623	1508.0198
2	bath	3	9	3358.3352	1334.6934	1249.8538
3	beds*bath	4	13	3358.0548	1264.5024	1373.1464
4	vacant	5	14	3336.2719	1189.8987	1235.4774
5	beds*vacant	6	17	3350.2227	1178.4536	1247.4976
6	bath*vacant	7	20	3359.1984	1154.5362	1128.1269
7	stories	8	21	3365.1133	1153.9976	1128.4836
8	beds*stories	9	23	3373.4501	1144.1810	1157.0762
9	bath*stories	10	24	3365.9254	1110.6466	1115.3994
10	vacant*stories	11	25	3370.8910	1107.8349	1125.7961
11	sqft	12	26	3136.5116	656.0121	686.1676
12	sqft*beds	13	29	3138.1468	632.5015	843.6500
13	sqft*bath	14	32	3076.9993	531.8729	1055.4760
14	sqft*vacant	15	33	3080.6836	529.0475	1011.2813
15	sqft*stories	16	34	3084.3817	526.2530	947.4673
16	age	17	35	3057.0885	489.2955	955.5257
17	age*beds	18	38	3062.0189	475.1589	1045.2222
18	age*bath	19	41	3066.7993	461.2798	1087.0250
19	age*vacant	20	42	3072.7768	461.1276	1078.7498
20	age*stories	21	43	3078.5920	460.8123	1092.9846
21	sqft*age	22	44	3051.3951*	428.5406	1258.3745
* Optimal Value of Criterion						

Least Squares Model (No Selection)

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	43	953064	22164	46.76	<.0001
Error	415	196700	473.97620		
Corrected Total	458	1149764			

Root MSE	21.77099
Dependent Mean	112.90698
R-Square	0.8289
Adj R-Sq	0.8112
AIC	3330.71690
AICC	3340.74112
SBC	3051.39511
ASE (Train)	428.54057
ASE (Test)	1258.37451

Parameter Estimates					
Parameter	DF	Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-225.237154	567.118217	-0.40	0.6915
beds 2	1	52.685242	292.213114	0.18	0.8570
beds 3	1	-52.611862	353.274475	-0.15	0.8817
beds 4	1	-12.180970	379.697282	-0.03	0.9744
beds 5	1	55.644404	206.024794	0.27	0.7872
beds 6	0	0	.	.	.
bath 1	1	177.602680	307.045564	0.58	0.5633
bath 2	1	96.920744	317.555321	0.31	0.7604
bath 3	1	229.862518	305.253978	0.75	0.4519
bath 4	1	-107.768606	73.723990	-1.46	0.1446
bath 5	0	0	.	.	.
beds*bath 2 1	1	-92.573142	81.350733	-1.14	0.2558
beds*bath 2 2	0	0	.	.	.
beds*bath 3 1	0	0	.	.	.
beds*bath 3 2	1	105.446393	80.616261	1.31	0.1916
beds*bath 3 3	0	0	.	.	.
beds*bath 3 5	0	0	.	.	.
beds*bath 4 2	1	74.053002	107.630936	0.69	0.4918
beds*bath 4 3	1	-42.616147	35.398051	-1.20	0.2293
beds*bath 4 4	0	0	.	.	.
beds*bath 5 2	0	0	.	.	.
beds*bath 5 3	0	0	.	.	.
beds*bath 5 4	0	0	.	.	.
beds*bath 6 4	0	0	.	.	.
beds*bath 6 5	0	0	.	.	.
vacant 0	1	-69.636031	108.659536	-0.64	0.5220
vacant 1	0	0	.	.	.
beds*vacant 2 0	1	40.332450	20.375115	1.98	0.0484
beds*vacant 2 1	0	0	.	.	.
beds*vacant 3 0	1	26.872545	18.197485	1.48	0.1405

Parameter Estimates					
Parameter	DF	Estimate	Standard Error	t Value	Pr > |t|
beds*vacant 3 1	0	0	.	.	.
beds*vacant 4 0	1	22.628252	16.605566	1.36	0.1737
beds*vacant 4 1	0	0	.	.	.
beds*vacant 5 0	0	0	.	.	.
beds*vacant 5 1	0	0	.	.	.
beds*vacant 6 0	0	0	.	.	.
beds*vacant 6 1	0	0	.	.	.
bath*vacant 1 0	1	16.862507	104.955081	0.16	0.8724
bath*vacant 1 1	0	0	.	.	.
bath*vacant 2 0	1	30.346764	103.753494	0.29	0.7701
bath*vacant 2 1	0	0	.	.	.
bath*vacant 3 0	1	46.787683	102.696826	0.46	0.6489
bath*vacant 3 1	0	0	.	.	.
bath*vacant 4 0	0	0	.	.	.
bath*vacant 4 1	0	0	.	.	.
bath*vacant 5 0	0	0	.	.	.
bath*vacant 5 1	0	0	.	.	.
stories 1	1	80.412538	30.091652	2.67	0.0078
stories 2	0	0	.	.	.
beds*stories 2 1	1	-23.897578	17.011983	-1.40	0.1608
beds*stories 2 2	0	0	.	.	.
beds*stories 3 1	1	3.937408	9.659427	0.41	0.6838
beds*stories 3 2	0	0	.	.	.
beds*stories 4 1	0	0	.	.	.
beds*stories 4 2	0	0	.	.	.
beds*stories 5 1	0	0	.	.	.
beds*stories 5 2	0	0	.	.	.
beds*stories 6 1	0	0	.	.	.
beds*stories 6 2	0	0	.	.	.
bath*stories 1 1	0	0	.	.	.
bath*stories 2 1	1	-42.661446	12.916021	-3.30	0.0010
bath*stories 2 2	0	0	.	.	.
bath*stories 3 1	0	0	.	.	.
bath*stories 3 2	0	0	.	.	.
bath*stories 4 1	0	0	.	.	.
bath*stories 4 2	0	0	.	.	.
bath*stories 5 2	0	0	.	.	.
vacant*stories 0 1	1	7.717587	9.232306	0.84	0.4037
vacant*stories 0 2	0	0	.	.	.
vacant*stories 1 1	0	0	.	.	.
vacant*stories 1 2	0	0	.	.	.
sqft	1	0.150187	0.149095	1.01	0.3144
sqft*beds 2	1	0.117121	0.083818	1.40	0.1631
sqft*beds 3	1	0.077844	0.082371	0.95	0.3452
sqft*beds 4	1	0.072029	0.081847	0.88	0.3793
sqft*beds 5	0	0	.	.	.
sqft*beds 6	0	0	.	.	.
sqft*bath 1	1	-0.119199	0.125935	-0.95	0.3444

Parameter Estimates

Parameter	DF	Estimate	Standard Error	t Value	Pr > |t|
sqft*bath 2	1	-0.105061	0.124065	-0.85	0.3976
sqft*bath 3	1	-0.128629	0.123707	-1.04	0.2990
sqft*bath 4	0	0	.	.	.
sqft*bath 5	0	0	.	.	.
sqft*vacant 0	1	0.007431	0.007981	0.93	0.3523
sqft*vacant 1	0	0	.	.	.
sqft*stories 1	1	-0.028885	0.013970	-2.07	0.0393
sqft*stories 2	0	0	.	.	.
age	1	9.634813	3.262758	2.95	0.0033
age*beds 2	1	-8.228637	2.532199	-3.25	0.0012
age*beds 3	1	-7.461477	2.522181	-2.96	0.0033
age*beds 4	1	-7.502964	2.512754	-2.99	0.0030
age*beds 5	0	0	.	.	.
age*beds 6	0	0	.	.	.
age*bath 1	1	-0.306538	2.089050	-0.15	0.8834
age*bath 2	1	-0.501681	2.072593	-0.24	0.8089
age*bath 3	1	-0.448027	2.059720	-0.22	0.8279
age*bath 4	0	0	.	.	.
age*bath 5	0	0	.	.	.
age*vacant 0	1	0.083438	0.141005	0.59	0.5543
age*vacant 1	0	0	.	.	.
age*stories 1	1	-0.269456	0.207310	-1.30	0.1944
age*stories 2	0	0	.	.	.
sqft*age	1	-0.001158	0.000207	-5.59	<.0001

Score Information

Score Information	
Input Data Set	PROJECT.SQRT TRANSFORM 2
Output Data Set	PROJECT.GLMSELECT_STATS REALESTATE 2
Number of Observations Read	550
Number of Observations Scored	550
Number of Residuals Computed	550
Residual Sum of Squares	311212

Model: MODEL1
Dependent Variable: Price Price

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Tolerance	Variance Inflation
Intercept	Intercept	B	-609.04914	540.12131	-1.13	0.2600	.	0
beds 2	beds 2	B	81.82171	197.60071	0.41	0.6790	0.00023327	4286.83732
beds 3	beds 3	B	284.00039	288.78583	0.98	0.3259	0.00004685	21346
beds 4	beds 4	B	204.82093	257.29006	0.80	0.4264	0.00007858	12726
beds 5	beds 5	B	34.87182	124.10538	0.28	0.7788	0.00180	556.05772
beds 6	beds 6	0	0	.	.	.	.	.

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Tolerance	Variance Inflation
bath 1	bath 1	B	251.05236	317.30088	0.79	0.4292	0.00006587	15181
bath 2	bath 2	B	460.87318	406.35443	1.13	0.2573	0.00002379	42033
bath 3	bath 3	B	437.62959	401.37287	1.09	0.2761	0.00003712	26936
bath 4	bath 4	B	16.48328	56.15796	0.29	0.7692	0.01820	54.94814
bath 5	bath 5	0	0	.	.	.	.	.
beds*bath 2 1	beds*bath 2 1	B	209.03236	124.70245	1.68	0.0943	0.00082430	1213.15658
beds*bath 2 2	beds*bath 2 2	0	0	.	.	.	.	.
beds*bath 3 1	beds*bath 3 1	0	0	.	.	.	.	.
beds*bath 3 2	beds*bath 3 2	B	-202.97578	124.35906	-1.63	0.1033	0.00023902	4183.76363
beds*bath 3 3	beds*bath 3 3	B	-156.93052	107.35560	-1.46	0.1444	0.00240	416.09075
beds*bath 3 5	beds*bath 3 5	0	0	.	.	.	.	.
beds*bath 4 2	beds*bath 4 2	B	-112.05057	75.27293	-1.49	0.1372	0.00201	497.73933
beds*bath 4 3	beds*bath 4 3	B	-71.75692	32.42552	-2.21	0.0273	0.00772	129.48659
beds*bath 4 4	beds*bath 4 4	0	0	.	.	.	.	.
beds*bath 5 2	beds*bath 5 2	0	0	.	.	.	.	.
beds*bath 5 3	beds*bath 5 3	0	0	.	.	.	.	.
beds*bath 5 4	beds*bath 5 4	0	0	.	.	.	.	.
beds*bath 6 4	beds*bath 6 4	0	0	.	.	.	.	.
beds*bath 6 5	beds*bath 6 5	0	0	.	.	.	.	.
vacant 0	vacant 0	B	-90.73777	111.12870	-0.82	0.4146	0.00032327	3093.43518
vacant 1	vacant 1	0	0	.	.	.	.	
beds*vacant 2 0	beds*vacant 2 0	B	20.92998	18.81898	1.11	0.2666	0.06510	15.36105
beds*vacant 2 1	beds*vacant 2 1	0	0	.	.	.	.	.
beds*vacant 3 0	beds*vacant 3 0	B	7.26582	16.94330	0.43	0.6682	0.01958	51.05964
beds*vacant 3 1	beds*vacant 3 1	0	0	.	.	.	.	.
beds*vacant 4 0	beds*vacant 4 0	B	2.47604	15.83859	0.16	0.8758	0.04092	24.43945
beds*vacant 4 1	beds*vacant 4 1	0	0	.	.	.	.	.
beds*vacant 5 0	beds*vacant 5 0	0	0	.	.	.	.	.
beds*vacant 5 1	beds*vacant 5 1	0	0	.	.	.	.	.
beds*vacant 6 0	beds*vacant 6 0	0	0	.	.	.	.	.
beds*vacant 6 1	beds*vacant 6 1	0	0	.	.	.	.	.
bath*vacant 1 0	bath*vacant 1 0	B	46.59614	108.04802	0.43	0.6665	0.00120	832.54872
bath*vacant 1 1	bath*vacant 1 1	0	0	.	.	.	.	.
bath*vacant 2 0	bath*vacant 2 0	B	54.65911	107.01294	0.51	0.6097	0.00049096	2036.82817
bath*vacant 2 1	bath*vacant 2 1	0	0	.	.	.	.	.
bath*vacant 3 0	bath*vacant 3 0	B	63.55832	106.03970	0.60	0.5492	0.00116	858.50032
bath*vacant 3 1	bath*vacant 3 1	0	0	.	.	.	.	.
bath*vacant 4 0	bath*vacant 4 0	0	0	.	.	.	.	.
bath*vacant 4 1	bath*vacant 4 1	0	0	.	.	.	.	.
bath*vacant 5 0	bath*vacant 5 0	0	0	.	.	.	.	.
bath*vacant 5 1	bath*vacant 5 1	0	0	.	.	.	.	.
stories 1	stories 1	B	76.91584	29.32912	2.62	0.0090	0.00633	157.87480
stories 2	stories 2	0	0	.	.	.	.	.
beds*stories 2 1	beds*stories 2 1	B	-22.70542	16.90343	-1.34	0.1798	0.03376	29.61921
beds*stories 2 2	beds*stories 2 2	0	0	.	.	.	.	.
beds*stories 3 1	beds*stories 3 1	B	-1.54071	9.57109	-0.16	0.8722	0.04121	24.26563
beds*stories 3 2	beds*stories 3 2	0	0	.	.	.	.	.
beds*stories 4 1	beds*stories 4 1	0	0	.	.	.	.	.

Parameter Estimates								
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Tolerance	Variance Inflation
beds*stories 4 2	beds*stories 4 2	0	0	.	.	.	.	.
beds*stories 5 1	beds*stories 5 1	0	0	.	.	.	.	.
beds*stories 5 2	beds*stories 5 2	0	0	.	.	.	.	.
beds*stories 6 1	beds*stories 6 1	0	0	.	.	.	.	.
beds*stories 6 2	beds*stories 6 2	0	0	.	.	.	.	.
bath*stories 1 1	bath*stories 1 1	0	0	.	.	.	.	.
bath*stories 2 1	bath*stories 2 1	B	-40.31010	13.05938	-3.09	0.0021	0.02224	44.97161
bath*stories 2 2	bath*stories 2 2	0	0	.	.	.	.	.
bath*stories 3 1	bath*stories 3 1	0	0	.	.	.	.	.
bath*stories 3 2	bath*stories 3 2	0	0	.	.	.	.	.
bath*stories 4 1	bath*stories 4 1	0	0	.	.	.	.	.
bath*stories 4 2	bath*stories 4 2	0	0	.	.	.	.	.
bath*stories 5 2	bath*stories 5 2	0	0	.	.	.	.	.
vacant*stories 0 1	vacant*stories 0 1	B	13.34836	8.89485	1.50	0.1341	0.05681	17.60118
vacant*stories 0 2	vacant*stories 0 2	0	0	.	.	.	.	.
vacant*stories 1 1	vacant*stories 1 1	0	0	.	.	.	.	.
vacant*stories 1 2	vacant*stories 1 2	0	0	.	.	.	.	.
sqft	sqft	B	0.25537	0.14128	1.81	0.0713	0.00016644	6008.25293
sqft*beds 2	sqft*beds 2	B	0.02612	0.06240	0.42	0.6757	0.00161	620.19590
sqft*beds 3	sqft*beds 3	B	-0.00780	0.06060	-0.13	0.8976	0.00043689	2288.91357
sqft*beds 4	sqft*beds 4	B	-0.01912	0.05994	-0.32	0.7499	0.00031509	3173.64944
sqft*beds 5	sqft*beds 5	0	0	.	.	.	.	.
sqft*beds 6	sqft*beds 6	0	0	.	.	.	.	.
sqft*bath 1	sqft*bath 1	B	-0.15902	0.12981	-1.22	0.2212	0.00032504	3076.50780
sqft*bath 2	sqft*bath 2	B	-0.12680	0.12825	-0.99	0.3233	0.00009197	10874
sqft*bath 3	sqft*bath 3	B	-0.14867	0.12787	-1.16	0.2455	0.00007089	14106
sqft*bath 4	sqft*bath 4	0	0	.	.	.	.	.
sqft*bath 5	sqft*bath 5	0	0	.	.	.	.	.
sqft*vacant 0	sqft*vacant 0	B	0.01604	0.00738	2.17	0.0302	0.02132	46.89619
sqft*vacant 1	sqft*vacant 1	0	0	.	.	.	.	.
sqft*stories 1	sqft*stories 1	B	-0.02768	0.01322	-2.09	0.0368	0.01077	92.83521
sqft*stories 2	sqft*stories 2	0	0	.	.	.	.	.
age	age	B	4.27969	2.70911	1.58	0.1148	0.00032265	3099.35078
age*beds 2	age*beds 2	B	-2.63815	1.64005	-1.61	0.1083	0.00140	712.85027
age*beds 3	age*beds 3	B	-1.92381	1.62756	-1.18	0.2378	0.00107	933.82986
age*beds 4	age*beds 4	B	-1.95752	1.62265	-1.21	0.2282	0.00249	401.63298
age*beds 5	age*beds 5	0	0	.	.	.	.	.
age*beds 6	age*beds 6	0	0	.	.	.	.	.
age*bath 1	age*bath 1	B	-0.53714	2.15520	-0.25	0.8033	0.00063190	1582.53409
age*bath 2	age*bath 2	B	-0.82840	2.14030	-0.39	0.6989	0.00063177	1582.84363
age*bath 3	age*bath 3	B	-0.63866	2.12784	-0.30	0.7642	0.00306	327.28741
age*bath 4	age*bath 4	0	0	.	.	.	.	.
age*bath 5	age*bath 5	0	0	.	.	.	.	.
age*vacant 0	age*vacant 0	B	0.04525	0.13336	0.34	0.7345	0.15930	6.27748
age*vacant 1	age*vacant 1	0	0	.	.	.	.	.
age*stories 1	age*stories 1	B	-0.27042	0.20859	-1.30	0.1954	0.05684	17.59171
age*stories 2	age*stories 2	0	0	.	.	.	.	.
sqft*age	sqft*age	1	-0.00107	0.00020159	-5.29	<.0001	0.02090	47.84345

RStudent by Predicted for Price

Observed by Predicted for Price
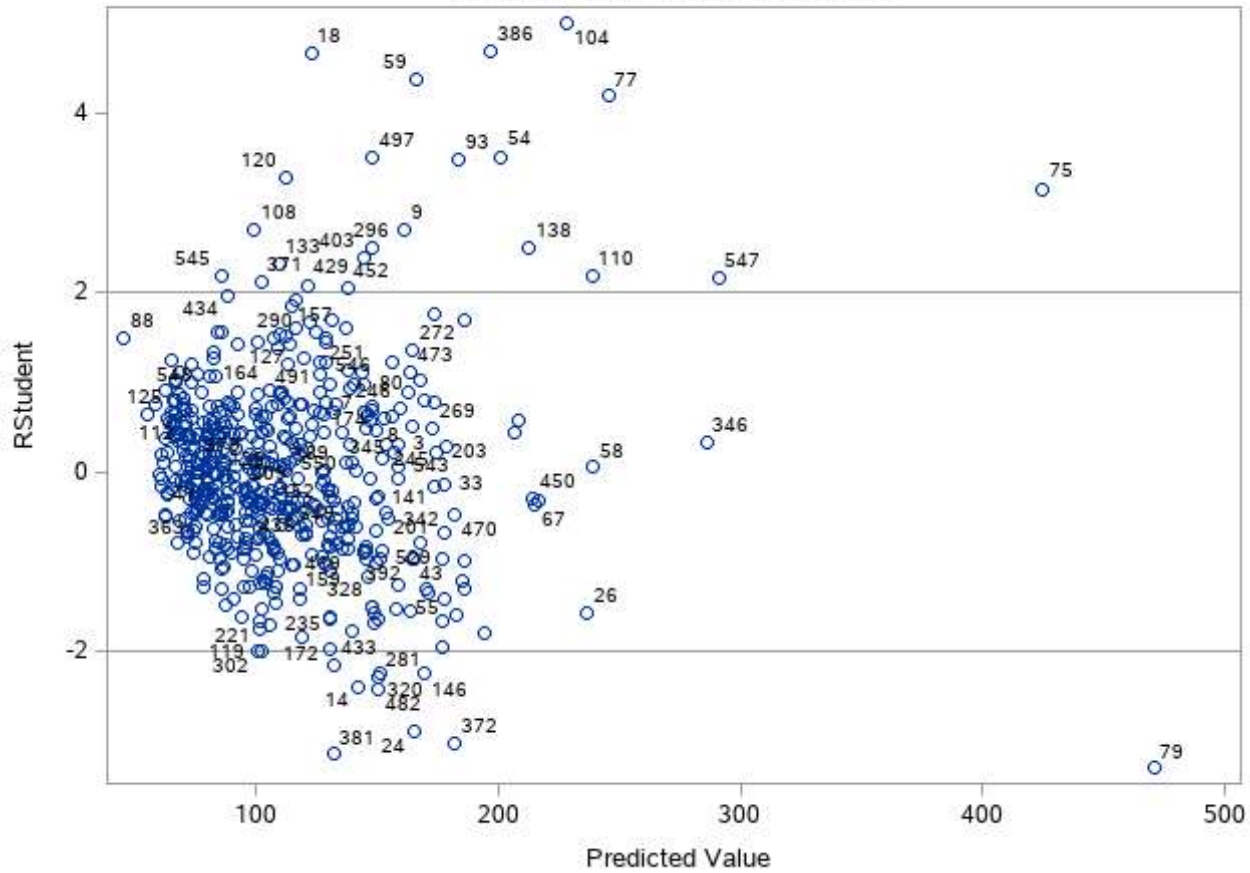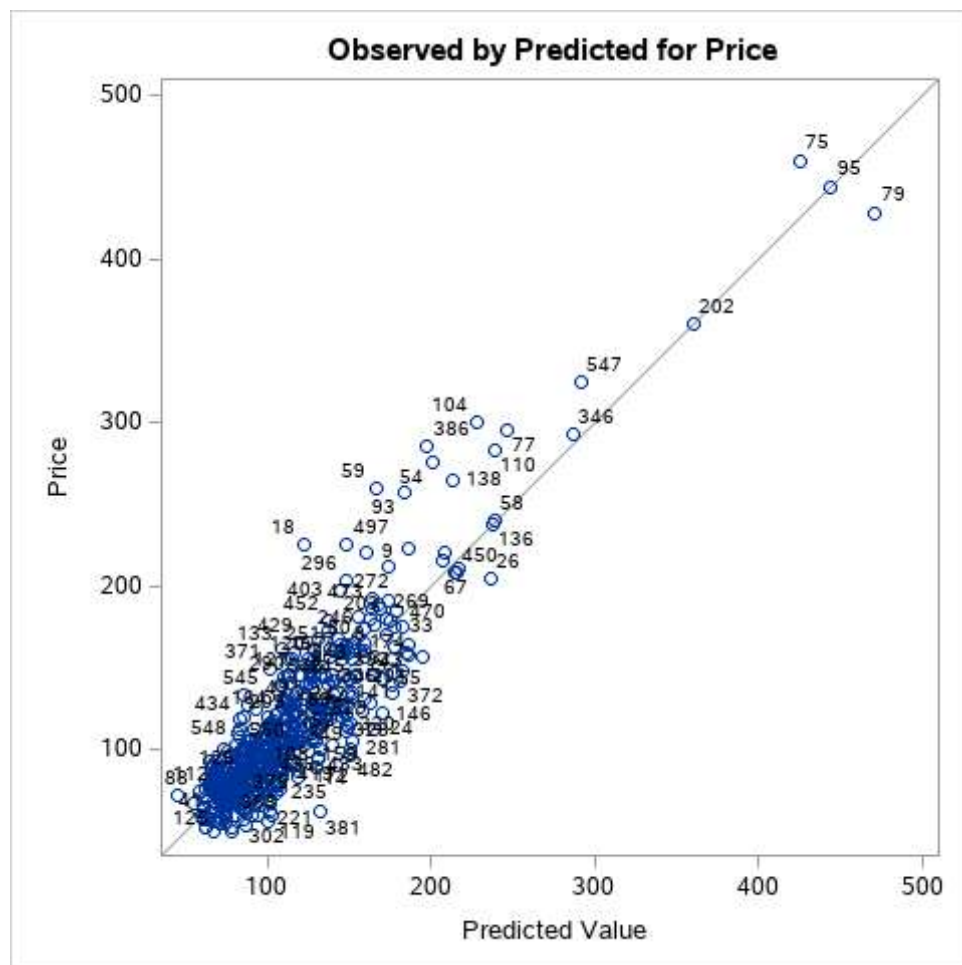
Fit Diagnostics for Price

Observations	550
Parameters	45
Error DF	505
MSE	508.1
R-Square	0.8181
Adj R-Square	0.8023