Response SP-Det

Actual by Predicted Plot

SP-Det Predicted RMSE=31912 RSq=0.92
PValue=<.0001
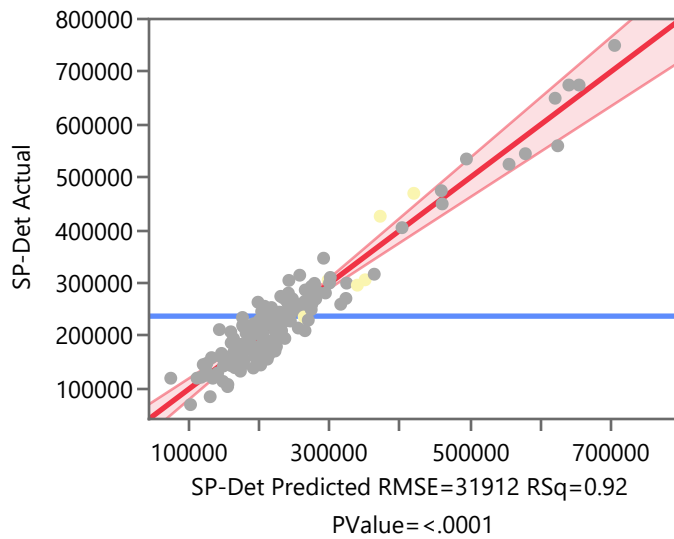
Effect Summary

Source	Logworth		PValue
Cnd	9.011		0.00000
MainFn	7.948		0.00000
Qlty	7.184		0.00000
Bsmt	5.901		0.00000
Fixtures	3.728		0.00019
Age	3.011		0.00098
AttGar	1.912		0.01224
DP2	1.908		0.01236
UpprFn	1.897		0.01269
DP3	1.544		0.02857
BltinGar	1.188		0.06491
LnAcres	0.491		0.32300
DP1	0.448		0.35682

Residual by Predicted Plot

SP-Det Predicted
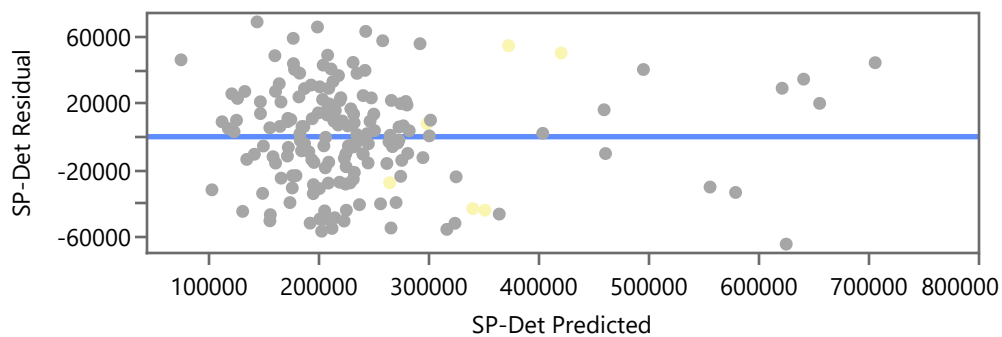
Response SP-Det

Studentized Residuals
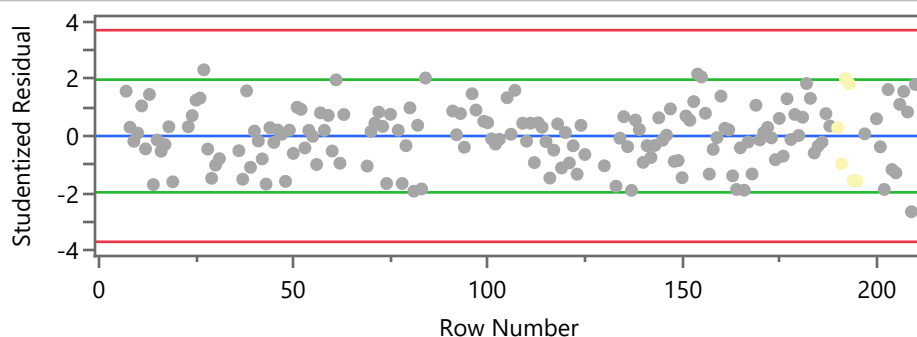
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Summary of Fit

RSquare	0.923407
RSquare Adj	0.912021
Root Mean Square Error	31912.36
Mean of Response	237514.9
Observations (or Sum Wgts)	171

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	22	1.8171e+12	8.26e+10	81.1039
Error	148	1.5072e+11	1.0184e+9	**Prob > F**
C. Total	170	1.9678e+12		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>|t|
Intercept	145778.55	26684.15	5.46	<.0001*
LnAcres	5638.3114	5685.977	0.99	0.3230
DP1	-38.96438	42.15424	-0.92	0.3568
DP2	-78.67309	31.06435	-2.53	0.0124*
DP3	-71.59166	32.37906	-2.21	0.0286*
Qlty[F-F-]	4090.6619	10864.37	0.38	0.7071
Qlty[F+-F]	-4542.136	7601.881	-0.60	0.5511
Qlty[A-F+]	2675.5902	7339.457	0.36	0.7160
Qlty[A+-A]	24985.636	15635.31	1.60	0.1122
Qlty[G-A+]	3999.7189	20034.71	0.20	0.8420
Qlty[G+-G]	41148.721	21594.95	1.91	0.0587
Qlty[V-G+]	104662.15	25227.06	4.15	<.0001*
Qlty[V+-V]	7766.6268	28791.75	0.27	0.7877
Cnd[AV-FR]	29260.852	7605.021	3.85	0.0002*
Cnd[GD-AV]	25355.352	6588.031	3.85	0.0002*
Cnd[VG-GD]	17374.819	12871.5	1.35	0.1791
Age	-543.4232	161.5024	-3.36	0.0010*
MainFn	65.30425	10.79231	6.05	<.0001*
UpprFn	30.132056	11.94238	2.52	0.0127*

Response SP-Det

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>|t|
Bsmt	37.944679	7.507231	5.05	<.0001*
Fixtures	7947.3195	2073.764	3.83	0.0002*
AttGar	58.532793	23.07697	2.54	0.0122*
BltinGar	53.579035	28.80986	1.86	0.0649

Prediction Expression

145778.5482

$+ 5638.3114006 \cdot LnAcres$

$+ -38.96438489 \cdot DP1$

$+ -78.67309437 \cdot DP2$

$+ -71.59165771 \cdot DP3$

$$+ Match(Qlty) \begin{cases} \text{"F-"} & \Rightarrow 0 \\ \text{"F"} & \Rightarrow 4090.6618716 \\ \text{"F+"} & \Rightarrow -451.474597 \\ \text{"A"} & \Rightarrow 2224.1156162 \\ \text{"A+"} & \Rightarrow 27209.751614 \\ \text{"G"} & \Rightarrow 31209.470535 \\ \text{"G+"} & \Rightarrow 72358.191929 \\ \text{"V"} & \Rightarrow 177020.33705 \\ \text{"V+"} & \Rightarrow 184786.96384 \\ \text{else} & \Rightarrow . \end{cases}$$

$$+ Match(Cnd) \begin{cases} \text{"FR"} & \Rightarrow 0 \\ \text{"AV"} & \Rightarrow 29260.852183 \\ \text{"GD"} & \Rightarrow 54616.20424 \\ \text{"VG"} & \Rightarrow 71991.023097 \\ \text{else} & \Rightarrow . \end{cases}$$

$+ -543.4231657 \cdot Age$

$+ 65.304249559 \cdot MainFn$

$+ 30.132055502 \cdot UpprFn$

Response SP-Det

Prediction Expression

$+ 37.944678867 \cdot \text{Bsmt}$

$+ 7947.3194886 \cdot \text{Fixtures}$

$+ 58.532793217 \cdot \text{AttGar}$

$+ 53.579034834 \cdot \text{BltinGar}$

Prediction Profiler

	LnAcres	DP1	DP2	DP3	Qlty
	-1.9145	320.75	233.45	71.72	V+

	UpprFn	Bsmt	Fixtures	AttGar	BltinGar
	121.6	267	6.598	66.07	12.7

SP-Det: 374952.9 [308922.5, 440983.2]

FR	86.68	1033.7
Cnd	Age	MainFn