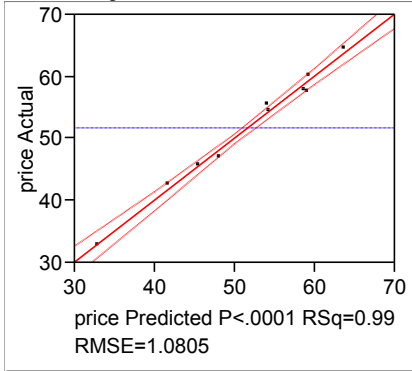


Stat 328/ MLR Real Estate Example

Response price

Whole Model

Actual by Predicted Plot



Summary of Fit

RSquare	0.990123
RSquare Adj	0.987301
Root Mean Square Error	1.080545
Mean of Response	51.73
Observations (or Sum Wgts)	10

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	2	819.32795	409.664	350.8665
Error	7	8.17305	1.168	Prob > F
C. Total	9	827.50100		<.0001

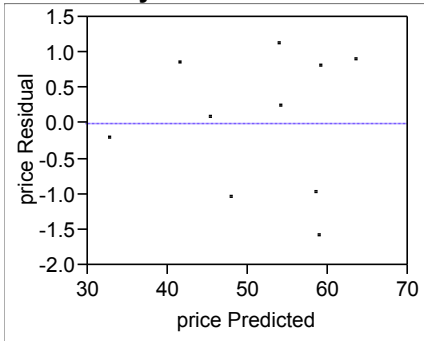
Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t	Lower 95%	Upper 95%
Intercept	9.7822706	1.630481	6.00	0.0005	5.9267965	13.637745
size	1.8709353	0.076174	24.56	<.0001	1.6908134	2.0510572
condition	1.2781408	0.1444	8.85	<.0001	0.9366883	1.6195933

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
size	1	1	704.36011	603.2660	<.0001
condition	1	1	91.47595	78.3468	<.0001

Residual by Predicted Plot



realestate

Rows	price	size	condition	Predicted price	StdErr Pred price	StdErr Indiv price	Lower 95% Mean price	Upper 95% Mean price	Lower 95% Indiv price	Upper 95% Indiv price	Residual price	Studentized Resid price
1	60	23	5	59.2044859	0.47136818	1.17888334	58.0898773	60.3190946	56.4168698	61.9921021	0.79551406	0.81816775
2	32.7	11	2	32.9188402	0.81997314	1.35644163	30.9799119	34.8577686	29.7113655	36.126315	-0.2188402	-0.3109762
3	57.7	20	9	58.7042432	0.63745178	1.25456077	57.1969093	60.2115771	55.7376784	61.670808	-1.0042432	-1.1510125
4	45.5	17	3	45.4225927	0.49185604	1.18722379	44.259538	46.5856474	42.6152545	48.2299309	0.0774073	0.08045577
5	47	15	8	48.071426	0.60192582	1.23688829	46.6480977	49.4947544	45.14665	50.9962021	-1.071426	-1.1939696
6	55.3	21	4	54.1844746	0.42755336	1.16205845	53.1734716	55.1954777	51.436643	56.9323062	1.1155254	1.12411493
7	64.5	24	7	63.6317028	0.57052959	1.22191734	62.2826147	64.9807909	60.7423274	66.5210781	0.86829722	0.94622255
8	42.6	13	6	41.7732739	0.57099169	1.22213316	40.4230931	43.1234547	38.8833882	44.6631596	0.82672608	0.90120292
9	54.5	19	7	54.2770264	0.42062699	1.15952793	53.2824016	55.2716512	51.5351785	57.0188742	0.22297362	0.22402329
10	57.5	25	2	59.1119342	0.76573083	1.32435707	57.3012685	60.9225998	55.9803273	62.243541	-1.6119342	-2.1143248