

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	sale_price	Number Processed	1815
Number Ind. Variables	8	Number Used in Estimation	1631
Weight Variable	None	Number Filtered Out	0
Robust Method	Huber's Method	Number with X's Missing	184
Tuning Constant	1.345	Number with Weight Missing	0
MAD Scale Factor	0.6745	Number with Y Missing	0
		Sum of Robust Weights	1506.783
Run Information	Value		
Iterations	11		
Max % Change in any Coef	0.001		
R ² after Robust Weighting	0.2070		
S using MAD	54919.72		
S using MSE	58176.05		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
House_Floor_area_sqm	1631	117.794	27.822	0	309
Bedrooms	1631	2.880	0.725	1	5
Car_Spaces	1631	1.633	0.861	1	5
MinParkDist	1631	1053.337	680.755	28.60286225	3725.589813
Closest_petrol	1631	910.899	440.130	26.82141689	4198.330769
DistToHosp	1631	1927.647	1075.289	158.9930877	4976.465939
NearestHighSch	1631	1444.132	645.763	113.7934554	4577.411134
DistanceMM	1631	2074.800	696.153	436.31536	4579.691054
sale_price	1631	89830.192	65166.979	3500	1200000

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Robust Iterations - Coefficients

Robust Iteration	Max Percent Change in Coefficients	b(0)	b(1)	b(2)	b(3)
0		-31344.37112	348.34096	18204.34838	14791.07630
1	33.264	-41080.59508	332.41238	18100.29480	15074.52033
2	7.674	-37928.19192	307.33581	17804.22840	14482.31400
3	4.397	-36260.54995	296.55621	17739.35171	14191.81395
4	1.520	-35709.44057	292.40448	17733.37830	14093.45711
5	0.619	-35488.46634	290.82554	17731.22208	14057.35910
6	0.215	-35412.00944	290.24626	17731.01044	14045.04266
7	0.089	-35380.42744	290.04475	17730.54244	14040.28354
8	0.031	-35369.45656	289.98072	17730.34721	14038.60289
9	0.010	-35366.03557	289.96162	17730.28606	14038.05086
10	0.003	-35365.04115	289.95614	17730.26955	14037.87889
11	0.001	-35364.76374	289.95460	17730.26541	14037.82719

Robust Iterations - Residuals

Robust Iteration	Max Percent Change in Coefficients	Percentiles of Absolute Residuals			
		25th	50th	75th	100th
0		22273.319	44721.834	72893.572	1106186.899
1	33.264	19710.115	40547.278	68698.241	1118019.223
2	7.674	19698.645	39621.653	68858.114	1119746.812
3	4.397	19578.473	39495.130	69202.957	1120055.610
4	1.520	19517.763	39381.474	69373.962	1120164.713
5	0.619	19508.167	39341.036	69426.970	1120194.160
6	0.215	19477.406	39344.346	69444.554	1120204.901
7	0.089	19466.376	39346.902	69449.273	1120206.525
8	0.031	19463.000	39346.882	69450.335	1120206.651
9	0.010	19461.970	39346.680	69450.539	1120206.625
10	0.003	19461.692	39346.584	69450.574	1120206.609
11	0.001	19461.690	39346.552	69450.581	1120206.605

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Regression Coefficients T-Tests Assuming Fixed Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standard-ized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?
Intercept	-35364.76374	8942.485806	0.0000	-3.955	0.0001	Yes
House_Floor_area_sqm	289.95460	54.634286	0.1238	5.307	0.0000	Yes
Bedrooms	17730.26541	2127.047996	0.1971	8.336	0.0000	Yes
Car_Spaces	14037.82719	1746.117854	0.1855	8.039	0.0000	Yes
MinParkDist	13.32113	3.123315	0.1392	4.265	0.0000	Yes
Closest_petrol	19.05224	3.984406	0.1287	4.782	0.0000	Yes
DistToHosp	-7.74852	2.197133	-0.1279	-3.527	0.0004	Yes
NearestHighSch	-9.73985	3.379514	-0.0965	-2.882	0.0040	Yes
DistanceMM	7.07352	2.457380	0.0756	2.878	0.0040	Yes

Regression Coefficients T-Tests Assuming Random Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standard-ized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?
Intercept	-35364.76374	9071.466735	0.0000	-3.898	0.0001	Yes
House_Floor_area_sqm	289.95460	53.605157	0.1238	5.409	0.0000	Yes
Bedrooms	17730.26541	2160.543119	0.1971	8.206	0.0000	Yes
Car_Spaces	14037.82719	1756.942054	0.1855	7.990	0.0000	Yes
MinParkDist	13.32113	3.198433	0.1392	4.165	0.0000	Yes
Closest_petrol	19.05224	4.061168	0.1287	4.691	0.0000	Yes
DistToHosp	-7.74852	2.234434	-0.1279	-3.468	0.0005	Yes
NearestHighSch	-9.73985	3.409022	-0.0965	-2.857	0.0043	Yes
DistanceMM	7.07352	2.504272	0.0756	2.825	0.0048	Yes

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Regression Coefficients Confidence Intervals Assuming Fixed Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	-35364.76374	8942.485806	-52891.71385	-17837.81363
House_Floor_area_sqm	289.95460	54.634286	182.87336	397.03583
Bedrooms	17730.26541	2127.047996	13561.32795	21899.20288
Car_Spaces	14037.82719	1746.117854	10615.49909	17460.15530
MinParkDist	13.32113	3.123315	7.19955	19.44271
Closest_petrol	19.05224	3.984406	11.24294	26.86153
DistToHosp	-7.74852	2.197133	-12.05483	-3.44222
NearestHighSch	-9.73985	3.379514	-16.36357	-3.11612
DistanceMM	7.07352	2.457380	2.25715	11.88990

Note: The T-Value used to calculate these confidence limits was 1.960.

Regression Coefficients Confidence Intervals Assuming Random Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	-35364.76374	9071.466735	-53144.51183	-17585.01565
House_Floor_area_sqm	289.95460	53.605157	184.89042	395.01877
Bedrooms	17730.26541	2160.543119	13495.67871	21964.85211
Car_Spaces	14037.82719	1756.942054	10594.28405	17481.37034
MinParkDist	13.32113	3.198433	7.05232	19.58994
Closest_petrol	19.05224	4.061168	11.09249	27.01198
DistToHosp	-7.74852	2.234434	-12.12794	-3.36911
NearestHighSch	-9.73985	3.409022	-16.42141	-3.05829
DistanceMM	7.07352	2.504272	2.16524	11.98180

Note: The T-Value used to calculate these confidence limits was 1.960.

Estimated Equation

sale_price =
 -35364.7637412489 + 289.954595774478 * House_Floor_area_sqm + 17730.2654147294 * Bedrooms +
 14037.8271946893 * Car_Spaces + 13.321130266632 * MinParkDist + 19.0522373676228 * Closest_petrol -
 7.74852480774373 * DistToHosp - 9.73984698015454 * NearestHighSch + 7.0735213811385 * DistanceMM

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Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level
Intercept	1		12158931706642.30	12158931706642.30		
Model	8	0.2070	1432596687807.11	179074585975.89	52.911	0.0000
Error	1622	0.7930	5489581619833.71	3384452293.36		
Total(Adjusted)	1630	1.0000	6922178307640.82	4246735158.06		

PRESS Report

Parameter	From PRESS Residuals	From Regular Residuals
Sum of Squared Residuals	12067687073754.10	5489581619833.71
Sum of Residuals	90830949.22	90392907.45
R ²	0.0000	0.2070

Normality Tests

Test Name	Test Statistic to Test H0: Normal	Prob Level	Reject H0 at 20%?
Shapiro Wilk	0.799	0.0000	Yes
Anderson Darling	56.672	0.0000	Yes
D'Agostino Skewness	29.691	0.0000	Yes
D'Agostino Kurtosis	21.579	0.0000	Yes
D'Agostino Omnibus	1347.192	0.0000	Yes

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Serial Correlation of Residuals

Lag	Serial Correlation	Lag	Serial Correlation	Lag	Serial Correlation
1	0.2832	9	0.2334	17	0.2654
2	0.2429	10	0.2203	18	0.2528
3	0.2188	11	0.1971	19	0.2297
4	0.2625	12	0.2065	20	0.2347
5	0.2521	13	0.2353	21	0.2304
6	0.2340	14	0.2122	22	0.2636
7	0.2094	15	0.2065	23	0.2402
8	0.2124	16	0.2461	24	0.2108

Above serial correlations are significant if their absolute values are greater than 0.0495.

Durbin-Watson Test For Serial Correlation

Parameter	Test Statistic to Test H0: $\rho(1) = 0$?	Reject H0 at 20%?
Durbin-Watson Value	1.434	
Prob. Level: Positive Serial Correlation	0.0000	Yes
Prob. Level: Negative Serial Correlation	0.0000	Yes

R² Report

Independent Variable (IV)	Total R ² for this IV and IV's Above	Increase in R ² if this IV Included with IV's Above	Decrease in R ² if this IV was Removed	R ² if this IV was Fit Alone	Partial R ² if Adjusted for All Other IV's
House_Floor_area_sqm					
	0.0570	0.0570	0.0138	0.0570	0.0171
Bedrooms	0.1230	0.0659	0.0340	0.0946	0.0411
Car_Spaces	0.1581	0.0351	0.0316	0.0734	0.0383
MinParkDist	0.1587	0.0006	0.0089	0.0050	0.0111
Closest_petrol	0.1785	0.0197	0.0112	0.0446	0.0139
DistToHosp	0.1994	0.0209	0.0061	0.0055	0.0076
NearestHighSch	0.2029	0.0035	0.0041	0.0012	0.0051
DistanceMM	0.2070	0.0041	0.0041	0.0492	0.0051

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Variable Omission Report

Independent Variable	R ² When I.V. Omitted	MSE When I.V. Omitted	Mallow's Cp When I.V. Omitted	H0: $\beta(i)=0$ Prob Level	R ² of Regress. of This I.V. on Other I.V.'s
Full Model	0.2070	3384452293.36			
House_Floor_area_sqm	0.1932	3441102304.61	35.166	0.0000	0.1014
Bedrooms	0.1730	3527259442.03	76.483	0.0000	0.1259
Car_Spaces	0.1754	3517146087.77	71.633	0.0000	0.0815
MinParkDist	0.1981	3420300279.76	25.191	0.0000	0.5407
Closest_petrol	0.1958	3430046807.55	29.865	0.0000	0.3248
DistToHosp	0.2009	3408302532.79	19.437	0.0004	0.6280
NearestHighSch	0.2029	3399687693.53	15.306	0.0040	0.5640
DistanceMM	0.2029	3399645116.21	15.286	0.0040	0.2905

Sum of Squares and Correlations

Independent Variable	Sequential Sum of Squares	Incremental Sum of Squares	Last Sum of Squares	Simple Correlation	Partial Correlation
House_Floor_area_sqm	394775200257.29	394775200257.29	95327420540.54	0.2388	0.1306
Bedrooms	851263669187.08	456488468929.79	235160454586.43	0.3076	0.2027
Car_Spaces	1094431850860.18	243168181673.10	218746480609.42	0.2709	0.1958
MinParkDist	1098700516079.63	4268665219.45	61565734222.45	0.0707	0.1053
Closest_petrol	1235317514829.94	136616998750.31	77384348816.23	0.2112	0.1179
DistToHosp	1379986234993.98	144668720164.04	42093390889.49	-0.0739	-0.0872
NearestHighSch	1404554284038.16	24568049044.18	28111506766.31	-0.0341	-0.0714
DistanceMM	1432596687807.11	28042403768.95	28042403768.95	0.2217	0.0713

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Sequential Models Report

Independent Variable	Included R ²	Included F-Ratio	Included Prob Level	Omitted R ²	Omitted F-Ratio	Omitted Prob Level
House_Floor_area_sqm	0.0570	98.521	0.0000	0.1499	43.806	0.0000
Bedrooms	0.1230	114.139	0.0000	0.0840	28.628	0.0000
Car_Spaces	0.1581	101.848	0.0000	0.0489	19.983	0.0000
MinParkDist	0.1587	76.693	0.0000	0.0482	24.664	0.0000
Closest_petrol	0.1785	70.598	0.0000	0.0285	19.430	0.0000
DistToHosp	0.1994	67.395	0.0000	0.0076	7.772	0.0004
NearestHighSch	0.2029	59.021	0.0000	0.0041	8.286	0.0040
DistanceMM	0.2070	52.911	0.0000	0.0000		

Notes

1. INCLUDED variables are those listed from current row up (includes current row).
2. OMITTED variables are those listed below (but not including) this row.

Multicollinearity Report

Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
House_Floor_area_sqm	1.1128	0.1014	0.8986	8.8194631863546E-07
Bedrooms	1.1440	0.1259	0.8741	0.00133679921749432
Car_Spaces	1.0887	0.0815	0.9185	0.000900862915823629
MinParkDist	2.1773	0.5407	0.4593	2.88232592076968E-09
Closest_petrol	1.4811	0.3248	0.6752	4.69071271213047E-09
DistToHosp	2.6882	0.6280	0.3720	1.42634355245577E-09
NearestHighSch	2.2938	0.5640	0.4360	3.37458322620065E-09
DistanceMM	1.4095	0.2905	0.7095	1.78425163340771E-09

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Robust Residuals and Weights

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1	17000.000	40567.802	-23567.802	138.634	1.0000
2	130000.000	87019.422	42980.578	33.062	1.0000
3	155000.000	123425.944	31574.056	20.370	1.0000
4	72500.000	101595.400	-29095.400	40.132	1.0000
5	135000.000	146051.825	-11051.825	8.187	1.0000
6	18000.000	55366.287	-37366.287	207.590	1.0000
7	22000.000	87792.596	-65792.596	299.057	1.0000
8	17000.000	78838.718	-61838.718	363.757	1.0000
9	55000.000	34757.179	20242.821	36.805	1.0000
10	195000.000	39488.335	-19988.335	102.504	1.0000
11	35000.000	105361.807	-70361.807	201.034	1.0000
12	30000.000	61166.678	-31166.678	103.889	1.0000
13	92000.000	60965.079	31034.921	33.734	1.0000
14	45000.000	84684.537	-39684.537	88.188	1.0000
15	50000.000	92642.514	-42642.514	85.285	1.0000
16	11750.000	39488.792	-27738.792	236.075	1.0000
17	22000.000	73745.736	-51745.736	235.208	1.0000
18	55000.000	71372.920	-16372.920	29.769	1.0000
19	40000.000	104636.209	-64636.209	161.591	1.0000
21	45000.000	83022.118	-38022.118	84.494	1.0000
22	10000.000	184447.371	-174447.371	1744.474	0.4234
23	40000.000	107926.213	-67926.213	169.816	1.0000
25	44000.000	57775.881	-13775.881	31.309	1.0000
26	10000.000	53694.173	-43694.173	436.942	1.0000
27	32300.000	63484.079	-31184.079	96.545	1.0000
28	39000.000	70805.031	-31805.031	81.551	1.0000
29	41500.000	70586.065	-29086.065	70.087	1.0000
30	100000.000	67936.456	32063.544	32.064	1.0000
31	40000.000	67132.052	-27132.052	67.830	1.0000
32	18000.000	43766.186	-25766.186	143.145	1.0000
33	25000.000	61557.418	-36557.418	146.230	1.0000
34	73000.000	61852.854	11147.146	15.270	1.0000
35	90000.000	60141.366	29858.634	33.176	1.0000
36	60000.000	72843.573	-12843.573	21.406	1.0000
37	10000.000	74200.875	-64200.875	642.009	1.0000
38	39000.000	87654.895	-48654.895	124.756	1.0000
39	36000.000	88771.411	-52771.411	146.587	1.0000
40	38000.000	97628.747	-59628.747	156.918	1.0000
41	14000.000	42829.173	-28829.173	205.923	1.0000
45	76000.000	111743.560	-35743.560	47.031	1.0000
46	23000.000	70003.761	-47003.761	204.364	1.0000
47	30000.000	107925.378	-77925.378	259.751	0.9479
48	63000.000	133310.849	-70310.849	111.605	1.0000
49	49000.000	76044.833	-27044.833	55.194	1.0000
50	16500.000	89782.071	-73282.071	444.134	1.0000
51	25000.000	54117.981	-29117.981	116.472	1.0000
52	12000.000	63291.404	-51291.404	427.428	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
53	7000.000	155023.538	-148023.538	2114.622	0.4990
54	8500.000	25289.151	-16789.151	197.519	1.0000
55	30500.000	118152.988	-87652.988	287.387	0.8427
56	42000.000	87785.520	-45785.520	109.013	1.0000
57	19500.000	102910.756	-83410.756	427.747	0.8856
58	8500.000	40513.170	-32013.170	376.626	1.0000
59	12000.000	94532.803	-82532.803	687.773	0.8950
60	28000.000	95881.402	-67881.402	242.434	1.0000
61	24000.000	97424.523	-73424.523	305.936	1.0000
62	20000.000	65595.810	-45595.810	227.979	1.0000
63	35000.000	109707.066	-74707.066	213.449	0.9888
64	12000.000	48070.947	-36070.947	300.591	1.0000
65	57000.000	105913.612	-48913.612	85.813	1.0000
66	17000.000	110372.167	-93372.167	549.248	0.7911
67	50000.000	107762.046	-57762.046	115.524	1.0000
68	44000.000	108429.598	-64429.598	146.431	1.0000
69	34000.000	126603.596	-92603.596	272.364	0.7977
71	30000.000	89777.149	-59777.149	199.257	1.0000
72	17500.000	55424.278	-37924.278	216.710	1.0000
73	6000.000	117821.847	-111821.847	1863.697	0.6606
74	23000.000	129819.283	-106819.283	464.432	0.6915
75	26000.000	119528.749	-93528.749	359.726	0.7898
76	54350.000	103495.778	-49145.778	90.425	1.0000
77	74000.000	83321.619	-9321.619	12.597	1.0000
78	112000.000	115009.541	-3009.541	2.687	1.0000
79	27500.000	90737.708	-63237.708	229.955	1.0000
80	49000.000	92582.963	-43582.963	88.945	1.0000
81	40000.000	59822.622	-19822.622	49.557	1.0000
82	83000.000	104577.328	-21577.328	25.997	1.0000
83	35000.000	86723.898	-51723.898	147.783	1.0000
84	124000.000	120772.480	3227.520	2.603	1.0000
85	14000.000	54910.929	-40910.929	292.221	1.0000
86	15000.000	86464.482	-71464.482	476.430	1.0000
87	15000.000	39991.479	-24991.479	166.610	1.0000
88	52000.000	93849.217	-41849.217	80.479	1.0000
89	23000.000	64477.099	-41477.099	180.335	1.0000
90	7000.000	29638.359	-22638.359	323.405	1.0000
91	32000.000	53264.096	-21264.096	66.450	1.0000
92	14500.000	55310.635	-40810.635	281.453	1.0000
93	7000.000	57658.520	-50658.520	723.693	1.0000
94	37000.000	75658.919	-38658.919	104.484	1.0000
95	23000.000	57116.759	-34116.759	148.334	1.0000
96	22000.000	74576.211	-52576.211	238.983	1.0000
97	28000.000	74576.211	-46576.211	166.344	1.0000
98	62500.000	70087.572	-7587.572	12.140	1.0000
99	18000.000	74129.116	-56129.116	311.828	1.0000
100	22500.000	66338.556	-43838.556	194.838	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
101	7000.000	31108.866	-24108.866	344.412	1.0000
102	9000.000	70968.896	-61968.896	688.543	1.0000
103	24000.000	47000.648	-23000.648	95.836	1.0000
106	10000.000	35323.222	-25323.222	253.232	1.0000
107	59700.000	71650.791	-11950.791	20.018	1.0000
108	43000.000	72449.540	-29449.540	68.487	1.0000
109	115000.000	137154.194	-22154.194	19.265	1.0000
110	18000.000	50741.630	-32741.630	181.898	1.0000
111	60000.000	69861.282	-9861.282	16.435	1.0000
113	180000.000	111626.775	68373.225	37.985	1.0000
114	180000.000	256393.377	-76393.377	42.441	0.9669
115	80000.000	141387.549	-61387.549	76.734	1.0000
116	58000.000	92151.445	-34151.445	58.882	1.0000
117	85000.000	122213.014	-37213.014	43.780	1.0000
118	75000.000	107248.528	-32248.528	42.998	1.0000
119	87000.000	120740.774	-33740.774	38.782	1.0000
120	46000.000	207258.784	-161258.784	350.563	0.4581
121	45000.000	112639.044	-67639.044	150.309	1.0000
122	25000.000	82107.217	-57107.217	228.429	1.0000
123	26000.000	82107.217	-56107.217	215.797	1.0000
124	54000.000	95187.987	-41187.987	76.274	1.0000
125	11000.000	100414.860	-89414.860	812.862	0.8261
126	54500.000	143276.942	-88776.942	162.893	0.8320
127	145000.000	172382.467	-27382.467	18.884	1.0000
128	95000.000	172721.349	-77721.349	81.812	0.9504
129	140000.000	175952.176	-35952.176	25.680	1.0000
130	130000.000	111012.722	18987.278	14.606	1.0000
131	112000.000	151925.434	-39925.434	35.648	1.0000
133	30000.000	67598.763	-37598.763	125.329	1.0000
134	35000.000	101457.827	-66457.827	189.880	1.0000
135	50000.000	119684.549	-69684.549	139.369	1.0000
136	87000.000	70611.654	16388.346	18.837	1.0000
137	16000.000	141599.380	-125599.380	784.996	0.5881
138	32000.000	109653.729	-77653.729	242.668	0.9512
139	24000.000	143828.864	-119828.864	499.287	0.6164
140	32000.000	140807.511	-108807.511	340.023	0.6789
142	10000.000	48792.057	-38792.057	387.921	1.0000
143	40000.000	60450.697	-20450.697	51.127	1.0000
144	83500.000	68145.002	15354.998	18.389	1.0000
145	47000.000	91408.289	-44408.289	94.486	1.0000
146	20000.000	93107.059	-73107.059	365.535	1.0000
147	30000.000	111968.195	-81968.195	273.227	0.9012
148	11500.000	114087.773	-102587.773	892.068	0.7200
149	25000.000	65294.449	-40294.449	161.178	1.0000
151	40000.000	97872.372	-57872.372	144.681	1.0000
152	31500.000	50191.913	-18691.913	59.339	1.0000
153	5000.000	29237.476	-24237.476	484.750	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
154	66000.000	70113.242	-4113.242	6.232	1.0000
155	30000.000	74415.812	-44415.812	148.053	1.0000
157	97000.000	100445.380	-3445.380	3.552	1.0000
158	20000.000	97840.281	-77840.281	389.201	0.9490
160	30000.000	62018.593	-32018.593	106.729	1.0000
161	50000.000	49494.453	505.547	1.011	1.0000
163	95000.000	110461.860	-15461.860	16.276	1.0000
164	44000.000	51280.440	-7280.440	16.546	1.0000
165	34000.000	37428.240	-3428.240	10.083	1.0000
166	87000.000	117354.016	-30354.016	34.890	1.0000
167	50000.000	86022.941	-36022.941	72.046	1.0000
168	12000.000	90803.446	-78803.446	656.695	0.9374
170	26500.000	49594.520	-23094.520	87.149	1.0000
171	67000.000	98073.390	-31073.390	46.378	1.0000
172	28000.000	55694.233	-27694.233	98.908	1.0000
173	20000.000	23837.242	-3837.242	19.186	1.0000
174	13000.000	60380.078	-47380.078	364.462	1.0000
175	13000.000	25181.161	-12181.161	93.701	1.0000
176	25000.000	62901.482	-37901.482	151.606	1.0000
177	14000.000	97207.198	-83207.198	594.337	0.8877
178	10000.000	68808.654	-58808.654	588.087	1.0000
179	10000.000	82926.562	-72926.562	729.266	1.0000
180	17000.000	77087.940	-60087.940	353.458	1.0000
181	95000.000	123956.305	-28956.305	30.480	1.0000
182	79400.000	93439.216	-14039.216	17.682	1.0000
184	62000.000	46389.954	15610.046	25.177	1.0000
185	63000.000	87557.414	-24557.414	38.980	1.0000
186	50000.000	73184.024	-23184.024	46.368	1.0000
187	70000.000	132389.616	-62389.616	89.128	1.0000
188	139000.000	93829.172	45170.828	32.497	1.0000
189	24000.000	79007.479	-55007.479	229.198	1.0000
190	39500.000	118062.168	-78562.168	198.892	0.9402
191	52000.000	112256.007	-60256.007	115.877	1.0000
192	25000.000	134169.445	-109169.445	436.678	0.6766
193	4000.000	80391.483	-76391.483	1909.787	0.9670
195	55000.000	52479.883	2520.117	4.582	1.0000
196	95000.000	106716.269	-11716.269	12.333	1.0000
198	8000.000	80251.536	-72251.536	903.144	1.0000
199	35000.000	63439.356	-28439.356	81.255	1.0000
200	33000.000	77414.814	-44414.814	134.590	1.0000
201	14500.000	95461.694	-80961.694	558.357	0.9124
202	18000.000	93629.433	-75629.433	420.164	0.9767
203	30000.000	94231.621	-64231.621	214.105	1.0000
204	30000.000	90097.593	-60097.593	200.325	1.0000
205	29000.000	55975.206	-26975.206	93.018	1.0000
206	10000.000	57506.600	-47506.600	475.066	1.0000
207	25000.000	103052.809	-78052.809	312.211	0.9464

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
208	16000.000	67700.018	-51700.018	323.125	1.0000
210	55000.000	94370.940	-39370.940	71.584	1.0000
211	37000.000	100435.475	-63435.475	171.447	1.0000
212	65000.000	79626.804	-14626.804	22.503	1.0000
214	23000.000	86646.252	-63646.252	276.723	1.0000
215	10000.000	83648.742	-73648.742	736.487	1.0000
216	9200.000	50440.498	-41240.498	448.266	1.0000
217	18000.000	96712.883	-78712.883	437.294	0.9384
218	48000.000	103095.671	-55095.671	114.783	1.0000
219	45000.000	156720.156	-111720.156	248.267	0.6612
220	105000.000	165671.200	-60671.200	57.782	1.0000
221	55000.000	100528.132	-45528.132	82.778	1.0000
222	38000.000	103325.555	-65325.555	171.909	1.0000
227	54000.000	110154.939	-56154.939	103.991	1.0000
228	35000.000	49217.685	-14217.685	40.622	1.0000
229	95000.000	109643.544	-14643.544	15.414	1.0000
230	29000.000	42207.863	-13207.863	45.544	1.0000
231	22000.000	84935.002	-62935.002	286.068	1.0000
232	87000.000	81633.157	5366.843	6.169	1.0000
233	11000.000	78723.341	-67723.341	615.667	1.0000
234	34000.000	65588.060	-31588.060	92.906	1.0000
236	100000.000	83270.682	16729.318	16.729	1.0000
237	35000.000	95815.272	-60815.272	173.758	1.0000
238	25000.000	88317.949	-63317.949	253.272	1.0000
239	30000.000	111152.193	-81152.193	270.507	0.9102
240	65000.000	93333.665	-28333.665	43.590	1.0000
241	145000.000	137174.924	7825.076	5.397	1.0000
242	28000.000	118806.986	-90806.986	324.311	0.8135
243	40000.000	115007.512	-75007.512	187.519	0.9848
244	55000.000	102093.948	-47093.948	85.625	1.0000
245	75000.000	94461.690	-19461.690	25.949	1.0000
246	52000.000	82556.359	-30556.359	58.762	1.0000
247	102500.000	104036.137	-1536.137	1.499	1.0000
248	8455.000	145013.410	-136558.410	1615.120	0.5409
249	40000.000	98006.499	-58006.499	145.016	1.0000
250	11000.000	41251.279	-30251.279	275.012	1.0000
251	19000.000	45839.105	-26839.105	141.258	1.0000
252	20000.000	74666.075	-54666.075	273.330	1.0000
253	18000.000	74651.062	-56651.062	314.728	1.0000
254	21000.000	66371.381	-45371.381	216.054	1.0000
255	17000.000	49832.868	-32832.868	193.135	1.0000
256	25000.000	77000.969	-52000.969	208.004	1.0000
257	10000.000	46946.360	-36946.360	369.464	1.0000
258	19000.000	84186.283	-65186.283	343.086	1.0000
259	35000.000	66829.233	-31829.233	90.941	1.0000
260	21775.000	92275.207	-70500.207	323.767	1.0000
261	10000.000	61919.055	-51919.055	519.191	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
262	78000.000	58828.353	19171.647	24.579	1.0000
263	14000.000	43990.955	-29990.955	214.221	1.0000
264	38000.000	87200.528	-49200.528	129.475	1.0000
266	40000.000	82298.752	-42298.752	105.747	1.0000
267	22000.000	82595.364	-60595.364	275.433	1.0000
268	49000.000	88018.788	-39018.788	79.630	1.0000
269	125000.000	121869.399	3130.601	2.504	1.0000
270	49000.000	138447.127	-89447.127	182.545	0.8258
271	75000.000	95095.705	-20095.705	26.794	1.0000
272	55000.000	96919.181	-41919.181	76.217	1.0000
273	27500.000	80566.734	-53066.734	192.970	1.0000
274	47000.000	72477.628	-25477.628	54.208	1.0000
275	39500.000	120016.645	-80516.645	203.840	0.9174
276	43000.000	57460.454	-14460.454	33.629	1.0000
278	35000.000	62723.423	-27723.423	79.210	1.0000
279	15000.000	72135.002	-57135.002	380.900	1.0000
280	25000.000	68980.899	-43980.899	175.924	1.0000
281	35000.000	78264.722	-43264.722	123.613	1.0000
282	36000.000	118601.842	-82601.842	229.450	0.8943
283	17000.000	72630.093	-55630.093	327.236	1.0000
284	25000.000	107993.922	-82993.922	331.976	0.8900
285	15000.000	128312.005	-113312.005	755.413	0.6519
286	20000.000	74478.064	-54478.064	272.390	1.0000
287	26000.000	61576.837	-35576.837	136.834	1.0000
288	32000.000	50731.868	-18731.868	58.537	1.0000
289	14000.000	18594.143	-4594.143	32.815	1.0000
290	42000.000	73100.925	-31100.925	74.050	1.0000
291	53000.000	130902.138	-77902.138	146.985	0.9482
292	63000.000	128568.512	-65568.512	104.077	1.0000
293	30000.000	65763.450	-35763.450	119.211	1.0000
294	44000.000	71538.849	-27538.849	62.588	1.0000
295	10000.000	79878.216	-69878.216	698.782	1.0000
296	115000.000	85684.250	29315.750	25.492	1.0000
297	39000.000	62220.405	-23220.405	59.539	1.0000
298	60000.000	57518.091	2481.909	4.137	1.0000
300	15000.000	37377.856	-22377.856	149.186	1.0000
301	28000.000	82868.800	-54868.800	195.960	1.0000
302	24000.000	81524.882	-57524.882	239.687	1.0000
303	21000.000	104680.843	-83680.843	398.480	0.8827
305	24000.000	48544.143	-24544.143	102.267	1.0000
306	20000.000	123364.743	-103364.743	516.824	0.7146
307	44000.000	80682.708	-36682.708	83.370	1.0000
309	60000.000	55649.061	4350.939	7.252	1.0000
310	129000.000	106672.920	22327.080	17.308	1.0000
311	32000.000	137753.845	-105753.845	330.481	0.6985
312	19000.000	35295.702	-16295.702	85.767	1.0000
313	21500.000	57690.615	-36190.615	168.328	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
315	127500.000	87673.648	39826.352	31.236	1.0000
316	18000.000	50066.733	-32066.733	178.149	1.0000
317	7000.000	60215.694	-53215.694	760.224	1.0000
318	66000.000	109232.943	-43232.943	65.504	1.0000
319	43000.000	41655.876	1344.124	3.126	1.0000
320	7500.000	59386.142	-51886.142	691.815	1.0000
323	85000.000	89502.141	-4502.141	5.297	1.0000
324	19000.000	68447.804	-49447.804	260.252	1.0000
325	25000.000	91435.612	-66435.612	265.742	1.0000
326	160000.000	106109.107	53890.893	33.682	1.0000
327	70000.000	105831.937	-35831.937	51.188	1.0000
328	48000.000	134047.105	-86047.105	179.265	0.8584
329	6750.000	47216.711	-40466.711	599.507	1.0000
330	86000.000	83807.781	2192.219	2.549	1.0000
331	47000.000	84071.226	-37071.226	78.875	1.0000
332	32000.000	73402.580	-41402.580	129.383	1.0000
333	54500.000	123641.729	-69141.729	126.866	1.0000
334	25000.000	65158.248	-40158.248	160.633	1.0000
335	20000.000	68817.358	-48817.358	244.087	1.0000
336	59000.000	71209.402	-12209.402	20.694	1.0000
337	9000.000	57793.993	-48793.993	542.155	1.0000
338	23000.000	113437.763	-90437.763	393.208	0.8168
339	52000.000	104314.649	-52314.649	100.605	1.0000
341	20000.000	114328.431	-94328.431	471.642	0.7831
342	42000.000	124292.223	-82292.223	195.934	0.8976
343	10000.000	86883.243	-76883.243	768.832	0.9608
344	26000.000	70066.753	-44066.753	169.488	1.0000
346	15000.000	79841.944	-64841.944	432.280	1.0000
347	18000.000	99866.727	-81866.727	454.815	0.9023
348	42000.000	91831.401	-49831.401	118.646	1.0000
349	87000.000	100339.253	-13339.253	15.332	1.0000
350	160000.000	140994.314	19005.686	11.879	1.0000
351	55000.000	152473.417	-97473.417	177.224	0.7578
352	125000.000	173102.226	-48102.226	38.482	1.0000
353	114000.000	116459.774	-2459.774	2.158	1.0000
354	250000.000	182724.274	67275.726	26.910	1.0000
355	28000.000	111474.142	-83474.142	298.122	0.8849
356	67000.000	69163.910	-2163.910	3.230	1.0000
357	10000.000	139290.699	-129290.699	1292.907	0.5713
358	110000.000	140576.260	-30576.260	27.797	1.0000
359	30000.000	65200.475	-35200.475	117.335	1.0000
360	10000.000	114761.713	-104761.713	1047.617	0.7051
361	22000.000	106731.502	-84731.502	385.143	0.8718
362	21000.000	36134.502	-15134.502	72.069	1.0000
363	77000.000	74539.878	2460.122	3.195	1.0000
364	35000.000	50553.356	-15553.356	44.438	1.0000
365	50000.000	69235.436	-19235.436	38.471	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
366	35000.000	43896.353	-8896.353	25.418	1.0000
367	33000.000	118851.925	-85851.925	260.157	0.8604
368	105000.000	97834.980	7165.020	6.824	1.0000
369	84000.000	115565.246	-31565.246	37.578	1.0000
370	165500.000	59057.816	106442.184	64.316	0.6940
371	33000.000	71144.694	-38144.694	115.590	1.0000
372	50000.000	36639.619	13360.381	26.721	1.0000
373	93000.000	90174.179	2825.821	3.039	1.0000
374	33000.000	81600.936	-48600.936	147.276	1.0000
375	72000.000	78951.032	-6951.032	9.654	1.0000
377	35000.000	80998.005	-45998.005	131.423	1.0000
378	44500.000	77882.445	-33382.445	75.017	1.0000
379	50000.000	92355.285	-42355.285	84.711	1.0000
380	14000.000	45405.265	-31405.265	224.323	1.0000
381	45000.000	102328.005	-57328.005	127.396	1.0000
382	25000.000	69557.502	-44557.502	178.230	1.0000
383	77000.000	93597.917	-16597.917	21.556	1.0000
384	71000.000	79360.040	-8360.040	11.775	1.0000
386	180000.000	109187.470	70812.530	39.340	1.0000
387	66500.000	140350.030	-73850.030	111.053	1.0000
388	250000.000	180812.552	69187.448	27.675	1.0000
389	33000.000	157405.261	-124405.261	376.986	0.5938
390	135000.000	119880.585	15119.415	11.200	1.0000
392	25000.000	83828.011	-58828.011	235.312	1.0000
393	85000.000	100573.303	-15573.303	18.322	1.0000
394	45000.000	129231.705	-84231.705	187.182	0.8769
396	30000.000	64452.598	-34452.598	114.842	1.0000
397	17500.000	75198.343	-57698.343	329.705	1.0000
398	10000.000	55823.770	-45823.770	458.238	1.0000
399	68000.000	60930.110	7069.890	10.397	1.0000
400	74000.000	83297.310	-9297.310	12.564	1.0000
402	20000.000	73201.400	-53201.400	266.007	1.0000
404	180000.000	45439.118	134560.882	74.756	0.5489
405	110000.000	64165.798	45834.202	41.667	1.0000
406	82000.000	75102.503	6897.497	8.412	1.0000
407	100000.000	51419.293	48580.707	48.581	1.0000
408	142000.000	55007.984	86992.016	61.262	0.8491
409	46000.000	50963.129	-4963.129	10.789	1.0000
410	83000.000	52242.582	30757.418	37.057	1.0000
411	11300.000	38851.714	-27551.714	243.820	1.0000
412	56000.000	52770.149	3229.851	5.768	1.0000
414	62000.000	83870.334	-21870.334	35.275	1.0000
415	100000.000	128103.045	-28103.045	28.103	1.0000
416	89000.000	119382.375	-30382.375	34.138	1.0000
417	43500.000	45513.440	-2013.440	4.629	1.0000
418	121000.000	127149.666	-6149.666	5.082	1.0000
419	170000.000	97093.686	72906.314	42.886	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
421	150000.000	85421.135	64578.865	43.053	1.0000
422	32000.000	71222.947	-39222.947	122.572	1.0000
423	98000.000	117461.557	-19461.557	19.859	1.0000
424	66000.000	52289.670	13710.330	20.773	1.0000
425	90000.000	56329.141	33670.859	37.412	1.0000
426	62000.000	56102.782	5897.218	9.512	1.0000
427	50000.000	73102.430	-23102.430	46.205	1.0000
428	12662.000	64927.682	-52265.682	412.776	1.0000
429	66000.000	74746.377	-8746.377	13.252	1.0000
430	98000.000	66195.013	31804.987	32.454	1.0000
431	145000.000	96915.742	48084.258	33.162	1.0000
434	30000.000	43601.482	-13601.482	45.338	1.0000
435	130000.000	59813.723	70186.277	53.989	1.0000
436	150000.000	73377.187	76622.813	51.082	0.9640
437	65000.000	127268.331	-62268.331	95.797	1.0000
439	65000.000	98011.420	-33011.420	50.787	1.0000
440	24000.000	84238.914	-60238.914	250.995	1.0000
441	56000.000	48113.932	7886.068	14.082	1.0000
442	65000.000	37635.951	27364.049	42.099	1.0000
444	57000.000	24627.477	32372.523	56.794	1.0000
445	58000.000	72514.173	-14514.173	25.024	1.0000
446	76000.000	44036.667	31963.333	42.057	1.0000
447	110000.000	86578.081	23421.919	21.293	1.0000
448	49000.000	70665.883	-21665.883	44.216	1.0000
449	67500.000	56260.567	11239.433	16.651	1.0000
450	145000.000	112095.900	32904.100	22.692	1.0000
451	90000.000	59574.616	30425.384	33.806	1.0000
452	109500.000	140675.104	-31175.104	28.470	1.0000
453	160000.000	39357.013	120642.987	75.402	0.6123
454	78000.000	104822.075	-26822.075	34.387	1.0000
455	65000.000	43854.216	21145.784	32.532	1.0000
456	30000.000	70679.766	-40679.766	135.599	1.0000
457	92000.000	114886.657	-22886.657	24.877	1.0000
458	170000.000	128185.627	41814.373	24.597	1.0000
459	145000.000	89133.258	55866.742	38.529	1.0000
460	73000.000	58354.690	14645.310	20.062	1.0000
462	80000.000	99720.454	-19720.454	24.651	1.0000
463	35000.000	76150.837	-41150.837	117.574	1.0000
464	132000.000	65867.894	66132.106	50.100	1.0000
465	120000.000	70610.584	49389.416	41.158	1.0000
466	22000.000	55924.137	-33924.137	154.201	1.0000
467	60000.000	80586.763	-20586.763	34.311	1.0000
468	52500.000	69924.630	-17424.630	33.190	1.0000
469	154000.000	124444.984	29555.016	19.192	1.0000
470	118000.000	110455.704	7544.296	6.393	1.0000
471	80500.000	97628.747	-17128.747	21.278	1.0000
472	90000.000	150037.932	-60037.932	66.709	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
473	190000.000	146845.664	43154.336	22.713	1.0000
474	60000.000	94373.542	-34373.542	57.289	1.0000
475	67000.000	108942.476	-41942.476	62.601	1.0000
476	58000.000	132667.902	-74667.902	128.738	0.9893
477	85000.000	79832.830	5167.170	6.079	1.0000
478	110000.000	92051.484	17948.516	16.317	1.0000
479	116000.000	94669.122	21330.878	18.389	1.0000
480	223000.000	126594.380	96405.620	43.231	0.7662
481	130000.000	105085.157	24914.843	19.165	1.0000
482	375000.000	188398.603	186601.397	49.760	0.3959
483	61360.000	148332.404	-86972.404	141.741	0.8493
484	6325.000	141882.429	-135557.429	2143.200	0.5449
485	56500.000	141882.429	-85382.429	151.119	0.8651
486	7000.000	132834.734	-125834.734	1797.639	0.5870
487	90000.000	63442.117	26557.883	29.509	1.0000
489	128000.000	82639.637	45360.363	35.438	1.0000
490	25000.000	51750.305	-26750.305	107.001	1.0000
491	127000.000	119052.466	7947.534	6.258	1.0000
492	22500.000	87798.198	-65298.198	290.214	1.0000
493	125000.000	65848.028	59151.972	47.322	1.0000
494	195000.000	155023.538	39976.462	20.501	1.0000
495	272000.000	154179.099	117820.901	43.317	0.6269
496	11138.000	41724.477	-30586.477	274.614	1.0000
497	40000.000	99857.768	-59857.768	149.644	1.0000
498	51500.000	87785.520	-36285.520	70.457	1.0000
499	52000.000	81517.476	-29517.476	56.764	1.0000
500	98000.000	84101.790	13898.210	14.182	1.0000
501	40000.000	84855.521	-44855.521	112.139	1.0000
502	70000.000	113043.301	-43043.301	61.490	1.0000
503	98000.000	114017.622	-16017.622	16.345	1.0000
504	85000.000	119032.808	-34032.808	40.039	1.0000
505	107500.000	76988.989	30511.011	28.382	1.0000
506	50000.000	65595.810	-15595.810	31.192	1.0000
507	60000.000	110186.248	-50186.248	83.644	1.0000
508	78000.000	79773.133	-1773.133	2.273	1.0000
509	97500.000	156665.593	-59165.593	60.683	1.0000
510	85000.000	85186.986	-186.986	0.220	1.0000
511	88000.000	112946.835	-24946.835	28.349	1.0000
512	61000.000	113618.485	-52618.485	86.260	1.0000
513	52000.000	86579.149	-34579.149	66.498	1.0000
514	65000.000	104782.624	-39782.624	61.204	1.0000
515	56000.000	86269.652	-30269.652	54.053	1.0000
516	47000.000	90627.409	-43627.409	92.824	1.0000
517	30500.000	86606.740	-56106.740	183.957	1.0000
519	79900.000	100628.081	-20728.081	25.943	1.0000
520	70000.000	116977.612	-46977.612	67.111	1.0000
521	187500.000	170911.661	16588.339	8.847	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
522	75000.000	106258.553	-31258.553	41.678	1.0000
523	115000.000	113628.100	1371.900	1.193	1.0000
524	210000.000	142409.526	67590.474	32.186	1.0000
526	28000.000	54650.590	-26650.590	95.181	1.0000
527	40000.000	62138.100	-22138.100	55.345	1.0000
528	95000.000	98418.676	-3418.676	3.599	1.0000
529	37000.000	54097.375	-17097.375	46.209	1.0000
530	135000.000	98822.525	36177.475	26.798	1.0000
531	40000.000	85134.889	-45134.889	112.837	1.0000
532	7000.000	79714.470	-72714.470	1038.778	1.0000
533	60000.000	85724.191	-25724.191	42.874	1.0000
535	160000.000	129756.024	30243.976	18.902	1.0000
536	120000.000	63938.992	56061.008	46.718	1.0000
537	44000.000	67088.564	-23088.564	52.474	1.0000
538	22500.000	77852.897	-55352.897	246.013	1.0000
539	36500.000	52423.263	-15923.263	43.625	1.0000
542	48000.000	92270.187	-44270.187	92.230	1.0000
543	190000.000	154570.567	35429.433	18.647	1.0000
544	128000.000	79814.574	48185.426	37.645	1.0000
545	27000.000	96841.578	-69841.578	258.673	1.0000
547	27000.000	144716.751	-117716.751	435.988	0.6275
549	50000.000	55908.705	-5908.705	11.817	1.0000
550	70000.000	91446.068	-21446.068	30.637	1.0000
551	70000.000	78112.843	-8112.843	11.590	1.0000
552	85000.000	86590.867	-1590.867	1.872	1.0000
553	34000.000	46374.231	-12374.231	36.395	1.0000
555	65500.000	41925.640	23574.360	35.991	1.0000
556	58000.000	96381.555	-38381.555	66.175	1.0000
557	72000.000	81201.826	-9201.826	12.780	1.0000
558	57000.000	95457.244	-38457.244	67.469	1.0000
559	19000.000	69657.902	-50657.902	266.621	1.0000
560	65000.000	69495.632	-4495.632	6.916	1.0000
562	63000.000	122346.335	-59346.335	94.201	1.0000
563	215000.000	153142.860	61857.140	28.771	1.0000
564	142000.000	96027.717	45972.283	32.375	1.0000
565	42000.000	80815.314	-38815.314	92.417	1.0000
566	73500.000	82107.217	-8607.217	11.710	1.0000
567	60000.000	86051.300	-26051.300	43.419	1.0000
568	120000.000	136639.896	-16639.896	13.867	1.0000
569	98000.000	148040.822	-50040.822	51.062	1.0000
570	90000.000	70665.315	19334.685	21.483	1.0000
571	72000.000	100414.860	-28414.860	39.465	1.0000
572	35000.000	110883.030	-75883.030	216.809	0.9734
573	35000.000	160381.388	-125381.388	358.233	0.5891
574	250000.000	172382.467	77617.533	31.047	0.9517
575	269000.000	172382.467	96617.533	35.917	0.7645
576	75000.000	94141.290	-19141.290	25.522	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
577	122000.000	139434.680	-17434.680	14.291	1.0000
578	145000.000	114045.990	30954.010	21.348	1.0000
579	126000.000	129371.156	-3371.156	2.676	1.0000
580	135000.000	164529.155	-29529.155	21.873	1.0000
581	148000.000	137513.962	10486.038	7.085	1.0000
584	158000.000	153741.672	4258.328	2.695	1.0000
586	360000.000	183976.141	176023.859	48.896	0.4196
587	70000.000	146234.231	-76234.231	108.906	0.9689
588	38000.000	100232.378	-62232.378	163.769	1.0000
590	35000.000	75275.419	-40275.419	115.073	1.0000
591	185000.000	92328.185	92671.815	50.093	0.7971
592	120000.000	84396.490	35603.510	29.670	1.0000
594	95000.000	107806.751	-12806.751	13.481	1.0000
595	58000.000	84583.285	-26583.285	45.833	1.0000
596	72000.000	131876.190	-59876.190	83.161	1.0000
597	120000.000	57248.434	62751.566	52.293	1.0000
598	41000.000	59659.383	-18659.383	45.511	1.0000
599	55000.000	84013.617	-29013.617	52.752	1.0000
600	65000.000	96445.448	-31445.448	48.378	1.0000
601	205000.000	154452.973	50547.027	24.657	1.0000
602	109000.000	146266.895	-37266.895	34.190	1.0000
603	80000.000	131025.234	-51025.234	63.782	1.0000
604	62000.000	122525.117	-60525.117	97.621	1.0000
605	109000.000	116537.576	-7537.576	6.915	1.0000
606	175000.000	119618.447	55381.553	31.647	1.0000
607	73000.000	114414.438	-41414.438	56.732	1.0000
608	69000.000	91302.070	-22302.070	32.322	1.0000
609	79000.000	67098.999	11901.001	15.065	1.0000
610	23000.000	59904.702	-36904.702	160.455	1.0000
611	183000.000	104541.328	78458.672	42.874	0.9415
612	20000.000	92710.103	-72710.103	363.551	1.0000
613	68000.000	80123.020	-12123.020	17.828	1.0000
614	87000.000	85754.270	1245.730	1.432	1.0000
615	47000.000	61608.418	-14608.418	31.082	1.0000
616	30000.000	56455.288	-26455.288	88.184	1.0000
618	69000.000	64959.818	4040.182	5.855	1.0000
619	25000.000	87617.415	-62617.415	250.470	1.0000
620	197000.000	126510.257	70489.743	35.782	1.0000
622	162000.000	79708.563	82291.437	50.797	0.8976
623	30000.000	63029.690	-33029.690	110.099	1.0000
624	59000.000	100670.649	-41670.649	70.628	1.0000
625	41200.000	67760.963	-26560.963	64.468	1.0000
626	62000.000	61300.013	699.987	1.129	1.0000
627	78500.000	63828.839	14671.161	18.689	1.0000
629	68000.000	49594.520	18405.480	27.067	1.0000
630	72000.000	111121.346	-39121.346	54.335	1.0000
631	75000.000	68508.939	6491.061	8.655	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
632	34000.000	56587.390	-22587.390	66.434	1.0000
633	95000.000	74072.688	20927.312	22.029	1.0000
634	20000.000	79092.516	-59092.516	295.463	1.0000
635	130000.000	111095.606	18904.394	14.542	1.0000
637	15000.000	59375.986	-44375.986	295.840	1.0000
638	48000.000	69474.945	-21474.945	44.739	1.0000
639	72000.000	77695.351	-5695.351	7.910	1.0000
640	39500.000	69672.935	-30172.935	76.387	1.0000
641	58000.000	68995.889	-10995.889	18.958	1.0000
642	7024.000	53204.307	-46180.307	657.465	1.0000
643	72000.000	119137.037	-47137.037	65.468	1.0000
645	27500.000	57180.054	-29680.054	107.927	1.0000
646	52500.000	92128.489	-39628.489	75.483	1.0000
647	30000.000	47883.971	-17883.971	59.613	1.0000
648	72000.000	73184.024	-1184.024	1.644	1.0000
649	45000.000	101394.494	-56394.494	125.321	1.0000
650	20000.000	87046.762	-67046.762	335.234	1.0000
651	51000.000	93487.660	-42487.660	83.309	1.0000
652	39000.000	88378.235	-49378.235	126.611	1.0000
654	20000.000	98014.076	-78014.076	390.070	0.9468
655	32000.000	79119.933	-47119.933	147.250	1.0000
656	80000.000	83380.437	-3380.437	4.226	1.0000
657	125000.000	66456.449	58543.551	46.835	1.0000
658	137000.000	103655.778	33344.222	24.339	1.0000
659	57000.000	43983.716	13016.284	22.836	1.0000
662	25000.000	158101.365	-133101.365	532.405	0.5550
663	62500.000	80323.693	-17823.693	28.518	1.0000
664	120000.000	100304.979	19695.021	16.413	1.0000
665	42500.000	70035.887	-27535.887	64.790	1.0000
666	40000.000	71282.748	-31282.748	78.207	1.0000
667	70000.000	89013.014	-19013.014	27.161	1.0000
669	55000.000	76326.855	-21326.855	38.776	1.0000
670	78000.000	78752.176	-752.176	0.964	1.0000
671	32000.000	77313.126	-45313.126	141.604	1.0000
672	67000.000	88872.473	-21872.473	32.645	1.0000
673	95000.000	88872.473	6127.527	6.450	1.0000
674	50000.000	86730.849	-36730.849	73.462	1.0000
675	35000.000	89894.839	-54894.839	156.842	1.0000
676	130000.000	163993.243	-33993.243	26.149	1.0000
677	38500.000	81964.766	-43464.766	112.895	1.0000
678	125000.000	103917.884	21082.116	16.866	1.0000
679	55000.000	134286.619	-79286.619	144.157	0.9316
680	58000.000	94413.414	-36413.414	62.782	1.0000
681	70000.000	80218.743	-10218.743	14.598	1.0000
682	38000.000	81000.360	-43000.360	113.159	1.0000
684	5000.000	46788.897	-41788.897	835.778	1.0000
685	70000.000	78766.622	-8766.622	12.524	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
686	52000.000	103531.656	-51531.656	99.099	1.0000
688	80000.000	87192.302	-7192.302	8.990	1.0000
689	72000.000	106580.200	-34580.200	48.028	1.0000
690	72500.000	93661.884	-21161.884	29.189	1.0000
691	79000.000	108695.440	-29695.440	37.589	1.0000
692	85000.000	90406.028	-5406.028	6.360	1.0000
693	22500.000	93915.058	-71415.058	317.400	1.0000
694	7000.000	39085.534	-32085.534	458.365	1.0000
696	10000.000	77541.028	-67541.028	675.410	1.0000
698	48000.000	88227.263	-40227.263	83.807	1.0000
699	133500.000	97987.625	35512.375	26.601	1.0000
700	83000.000	83949.798	-949.798	1.144	1.0000
701	17900.000	57417.050	-39517.050	220.766	1.0000
702	69000.000	77805.692	-8805.692	12.762	1.0000
703	95000.000	76357.661	18642.339	19.624	1.0000
704	35000.000	96630.110	-61630.110	176.086	1.0000
705	53500.000	83048.820	-29548.820	55.231	1.0000
706	48950.000	58521.009	-9571.009	19.553	1.0000
707	14000.000	84077.947	-70077.947	500.557	1.0000
708	92000.000	120047.186	-28047.186	30.486	1.0000
709	65000.000	85741.368	-20741.368	31.910	1.0000
711	237000.000	100814.977	136185.023	57.462	0.5424
712	72000.000	157041.836	-85041.836	118.114	0.8686
713	69500.000	76913.719	-7413.719	10.667	1.0000
714	76000.000	90951.546	-14951.546	19.673	1.0000
715	56000.000	76698.439	-20698.439	36.961	1.0000
716	63000.000	91965.393	-28965.393	45.977	1.0000
717	75000.000	64098.185	10901.815	14.536	1.0000
718	85000.000	142907.511	-57907.511	68.126	1.0000
719	110000.000	142907.511	-32907.511	29.916	1.0000
720	82000.000	115462.489	-33462.489	40.808	1.0000
721	63000.000	83694.397	-20694.397	32.848	1.0000
722	220000.000	103936.678	116063.322	52.756	0.6364
723	45000.000	103325.555	-58325.555	129.612	1.0000
724	125000.000	107007.170	17992.830	14.394	1.0000
725	80000.000	118215.352	-38215.352	47.769	1.0000
726	68000.000	107657.349	-39657.349	58.320	1.0000
727	69500.000	121288.630	-51788.630	74.516	1.0000
729	100000.000	85929.675	14070.325	14.070	1.0000
730	125000.000	74814.655	50185.345	40.148	1.0000
731	65000.000	74301.567	-9301.567	14.310	1.0000
733	168000.000	98290.124	69709.876	41.494	1.0000
734	77500.000	98890.619	-21390.619	27.601	1.0000
735	30000.000	109461.763	-79461.763	264.873	0.9296
736	130000.000	79461.186	50538.814	38.876	1.0000
738	93000.000	142202.647	-49202.647	52.906	1.0000
739	70000.000	128320.142	-58320.142	83.314	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
740	42000.000	91894.074	-49894.074	118.795	1.0000
742	135000.000	111575.667	23424.333	17.351	1.0000
743	228000.000	152058.881	75941.119	33.308	0.9727
744	225000.000	155132.034	69867.966	31.052	1.0000
745	48000.000	76909.547	-28909.547	60.228	1.0000
746	59500.000	83502.402	-24002.402	40.340	1.0000
747	39000.000	79968.018	-40968.018	105.046	1.0000
749	60000.000	112923.652	-52923.652	88.206	1.0000
750	5000.000	115455.150	-110455.150	2209.103	0.6687
751	149500.000	77842.732	71657.268	47.931	1.0000
752	68000.000	95603.674	-27603.674	40.594	1.0000
753	87500.000	44893.993	42606.007	48.693	1.0000
754	25500.000	81863.560	-56363.560	221.034	1.0000
755	35000.000	66557.971	-31557.971	90.166	1.0000
756	15000.000	100397.002	-85397.002	569.313	0.8650
757	26000.000	88679.687	-62679.687	241.076	1.0000
758	38800.000	117061.491	-78261.491	201.705	0.9438
759	128000.000	92220.049	35779.951	27.953	1.0000
760	135000.000	85504.720	49495.280	36.663	1.0000
761	75000.000	45013.400	29986.600	39.982	1.0000
762	7200.000	83276.757	-76076.757	1056.622	0.9710
763	3500.000	121981.956	-118481.956	3385.199	0.6234
764	60000.000	63795.305	-3795.305	6.326	1.0000
765	55000.000	92081.031	-37081.031	67.420	1.0000
766	61500.000	59539.882	1960.118	3.187	1.0000
767	58500.000	80551.171	-22051.171	37.694	1.0000
768	65000.000	70961.241	-5961.241	9.171	1.0000
769	56000.000	75359.828	-19359.828	34.571	1.0000
770	120000.000	98500.389	21499.611	17.916	1.0000
771	45000.000	73808.619	-28808.619	64.019	1.0000
772	68000.000	106409.788	-38409.788	56.485	1.0000
773	115000.000	146559.423	-31559.423	27.443	1.0000
775	45000.000	76624.642	-31624.642	70.277	1.0000
776	82000.000	84686.120	-2686.120	3.276	1.0000
777	63750.000	82593.568	-18843.568	29.559	1.0000
779	85000.000	69859.722	15140.278	17.812	1.0000
780	95000.000	35405.618	59594.382	62.731	1.0000
781	170000.000	98322.188	71677.812	42.163	1.0000
782	123000.000	123086.131	-86.131	0.070	1.0000
783	60000.000	57266.258	2733.742	4.556	1.0000
784	85000.000	95084.523	-10084.523	11.864	1.0000
785	67000.000	54340.332	12659.668	18.895	1.0000
786	30000.000	47223.556	-17223.556	57.412	1.0000
787	78000.000	74888.055	3111.945	3.990	1.0000
788	55000.000	54375.745	624.255	1.135	1.0000
790	80000.000	86993.601	-6993.601	8.742	1.0000
791	25000.000	68555.260	-43555.260	174.221	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
792	56000.000	66994.018	-10994.018	19.632	1.0000
793	52500.000	80453.688	-27953.688	53.245	1.0000
795	200000.000	127478.918	72521.082	36.261	1.0000
796	30000.000	74923.128	-44923.128	149.744	1.0000
797	16000.000	37489.557	-21489.557	134.310	1.0000
798	65000.000	76488.361	-11488.361	17.674	1.0000
799	46000.000	99023.331	-53023.331	115.268	1.0000
800	187000.000	119442.691	67557.309	36.127	1.0000
801	52000.000	117605.214	-65605.214	126.164	1.0000
803	69000.000	55045.387	13954.613	20.224	1.0000
805	117500.000	68271.466	49228.534	41.897	1.0000
806	40000.000	84582.335	-44582.335	111.456	1.0000
807	107500.000	50260.420	57239.580	53.246	1.0000
809	7271.000	81620.088	-74349.088	1022.543	0.9935
810	178000.000	69940.738	108059.262	60.707	0.6836
811	80000.000	64777.572	15222.428	19.028	1.0000
812	35000.000	32491.653	2508.347	7.167	1.0000
813	46000.000	46377.278	-377.278	0.820	1.0000
814	37000.000	33510.844	3489.156	9.430	1.0000
816	35000.000	60903.414	-25903.414	74.010	1.0000
817	30000.000	103067.214	-73067.214	243.557	1.0000
818	15000.000	78895.831	-63895.831	425.972	1.0000
819	50000.000	111531.145	-61531.145	123.062	1.0000
820	97500.000	113670.808	-16170.808	16.585	1.0000
821	125000.000	138007.723	-13007.723	10.406	1.0000
822	47000.000	75348.773	-28348.773	60.317	1.0000
823	66500.000	67418.016	-918.016	1.380	1.0000
824	58000.000	95565.016	-37565.016	64.767	1.0000
825	80000.000	72278.448	7721.552	9.652	1.0000
826	39000.000	64571.579	-25571.579	65.568	1.0000
828	119000.000	71832.748	47167.252	39.636	1.0000
829	42000.000	64990.649	-22990.649	54.740	1.0000
830	77000.000	50952.822	26047.178	33.828	1.0000
831	64000.000	81524.882	-17524.882	27.383	1.0000
832	120000.000	87502.282	32497.718	27.081	1.0000
833	37000.000	75207.319	-38207.319	103.263	1.0000
834	52500.000	48283.966	4216.034	8.031	1.0000
835	100000.000	104314.874	-4314.874	4.315	1.0000
836	55000.000	82134.338	-27134.338	49.335	1.0000
837	69500.000	75715.658	-6215.658	8.943	1.0000
838	40000.000	64832.434	-24832.434	62.081	1.0000
839	20000.000	24615.216	-4615.216	23.076	1.0000
840	46000.000	37622.373	8377.627	18.212	1.0000
841	67000.000	100136.133	-33136.133	49.457	1.0000
842	50000.000	74878.784	-24878.784	49.758	1.0000
843	86000.000	63422.707	22577.293	26.253	1.0000
844	43500.000	37863.561	5636.439	12.957	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
845	98000.000	77399.019	20600.981	21.021	1.0000
846	32000.000	60521.838	-28521.838	89.131	1.0000
847	55000.000	56807.486	-1807.486	3.286	1.0000
848	85000.000	81143.023	3856.977	4.538	1.0000
849	91000.000	59213.308	31786.692	34.930	1.0000
850	30000.000	57602.948	-27602.948	92.010	1.0000
851	64000.000	67476.121	-3476.121	5.431	1.0000
852	33000.000	61668.141	-28668.141	86.873	1.0000
853	50000.000	61084.181	-11084.181	22.168	1.0000
854	73000.000	107557.369	-34557.369	47.339	1.0000
855	160000.000	93495.983	66504.017	41.565	1.0000
856	40000.000	90926.159	-50926.159	127.315	1.0000
857	77000.000	112467.385	-35467.385	46.062	1.0000
858	150000.000	121801.927	28198.073	18.799	1.0000
859	56500.000	93292.976	-36792.976	65.120	1.0000
860	56000.000	62429.851	-6429.851	11.482	1.0000
861	85000.000	106353.771	-21353.771	25.122	1.0000
862	32000.000	94650.072	-62650.072	195.781	1.0000
863	58500.000	94650.072	-36150.072	61.795	1.0000
864	69900.000	89567.962	-19667.962	28.137	1.0000
865	7500.000	111490.957	-103990.957	1386.546	0.7103
867	8100.000	96256.004	-88156.004	1088.346	0.8379
868	48000.000	123156.167	-75156.167	156.575	0.9828
869	74500.000	123210.250	-48710.250	65.383	1.0000
870	54000.000	94492.857	-40492.857	74.987	1.0000
871	160000.000	84649.910	75350.090	47.094	0.9803
872	55000.000	73896.334	-18896.334	34.357	1.0000
873	91350.000	65540.579	25809.421	28.253	1.0000
875	75000.000	105174.555	-30174.555	40.233	1.0000
876	75000.000	85226.791	-10226.791	13.636	1.0000
877	15000.000	70568.772	-55568.772	370.458	1.0000
878	180000.000	110295.419	69704.581	38.725	1.0000
879	19000.000	100684.484	-81684.484	429.918	0.9043
881	15000.000	42224.405	-27224.405	181.496	1.0000
882	135000.000	59621.031	75378.969	55.836	0.9799
883	230000.000	122256.775	107743.225	46.845	0.6856
884	89000.000	160628.235	-71628.235	80.481	1.0000
885	92000.000	138247.801	-46247.801	50.269	1.0000
886	117500.000	114315.373	3184.627	2.710	1.0000
887	205000.000	85561.674	119438.326	58.263	0.6185
888	55000.000	122107.315	-67107.315	122.013	1.0000
889	54000.000	91132.845	-37132.845	68.765	1.0000
890	150000.000	34672.677	115327.323	76.885	0.6405
893	50000.000	71545.301	-21545.301	43.091	1.0000
894	125000.000	127418.047	-2418.047	1.934	1.0000
895	9000.000	57897.042	-48897.042	543.300	1.0000
896	45000.000	86461.176	-41461.176	92.136	1.0000

Robust Multiple Regression Report

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
897	35000.000	48512.519	-13512.519	38.607	1.0000
898	50000.000	73991.319	-23991.319	47.983	1.0000
899	45000.000	50412.539	-5412.539	12.028	1.0000
900	40000.000	105897.480	-65897.480	164.744	1.0000
901	42000.000	70779.973	-28779.973	68.524	1.0000
902	22000.000	66459.588	-44459.588	202.089	1.0000
903	160000.000	116740.404	43259.596	27.037	1.0000
904	62000.000	78375.527	-16375.527	26.412	1.0000
905	47500.000	55881.201	-8381.201	17.645	1.0000
906	85000.000	90960.073	-5960.073	7.012	1.0000
907	72500.000	106555.386	-34055.386	46.973	1.0000
908	33000.000	72327.551	-39327.551	119.174	1.0000
909	112500.000	129808.718	-17308.718	15.386	1.0000
910	140000.000	116743.147	23256.853	16.612	1.0000
911	113000.000	94981.239	18018.761	15.946	1.0000
912	210000.000	117124.974	92875.026	44.226	0.7953
913	49500.000	92267.624	-42767.624	86.399	1.0000
914	60000.000	124292.223	-64292.223	107.154	1.0000
915	10000.000	133381.945	-123381.945	1233.819	0.5987
916	70000.000	90710.461	-20710.461	29.586	1.0000
917	100000.000	97579.268	2420.732	2.421	1.0000
918	63750.000	71160.443	-7410.443	11.624	1.0000
919	67000.000	66895.607	104.393	0.156	1.0000
920	95000.000	98445.632	-3445.632	3.627	1.0000
921	145000.000	98012.702	46987.298	32.405	1.0000
922	52000.000	64743.679	-12743.679	24.507	1.0000
923	100000.000	85930.124	14069.876	14.070	1.0000
924	115000.000	90709.123	24290.877	21.123	1.0000
925	272000.000	140096.654	131903.346	48.494	0.5600
926	82000.000	99553.206	-17553.206	21.406	1.0000
927	46500.000	110029.865	-63529.865	136.623	1.0000
928	62000.000	118806.547	-56806.547	91.623	1.0000
929	186000.000	153834.351	32165.649	17.293	1.0000
930	270000.000	116410.832	153589.168	56.885	0.4809
931	20000.000	89834.599	-69834.599	349.173	1.0000
932	70000.000	119284.834	-49284.834	70.407	1.0000
933	92500.000	104102.281	-11602.281	12.543	1.0000
934	340000.000	141471.824	198528.176	58.391	0.3721
935	185000.000	107522.606	77477.394	41.880	0.9534
936	270000.000	175185.440	94814.560	35.117	0.7791
937	95000.000	107369.467	-12369.467	13.020	1.0000
938	30000.000	64578.807	-34578.807	115.263	1.0000
939	60000.000	81685.065	-21685.065	36.142	1.0000
940	70000.000	105454.405	-35454.405	50.649	1.0000
941	80000.000	131160.483	-51160.483	63.951	1.0000
943	85000.000	72723.560	12276.440	14.443	1.0000
944	190000.000	28641.619	161358.381	84.925	0.4578

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
945	140000.000	94186.050	45813.950	32.724	1.0000
946	62000.000	63012.508	-1012.508	1.633	1.0000
947	80000.000	84939.142	-4939.142	6.174	1.0000
948	102000.000	78438.729	23561.271	23.099	1.0000
950	82000.000	87694.666	-5694.666	6.945	1.0000
951	56000.000	81878.212	-25878.212	46.211	1.0000
952	67000.000	95916.039	-28916.039	43.158	1.0000
953	67000.000	75994.548	-8994.548	13.425	1.0000
954	160000.000	78951.032	81048.968	50.656	0.9114
955	65000.000	90404.259	-25404.259	39.083	1.0000
956	120000.000	115661.113	4338.887	3.616	1.0000
957	90000.000	96569.792	-6569.792	7.300	1.0000
958	78000.000	81057.198	-3057.198	3.919	1.0000
959	22000.000	62816.892	-40816.892	185.531	1.0000
960	130000.000	123033.264	6966.736	5.359	1.0000
961	75000.000	92560.947	-17560.947	23.415	1.0000
962	40000.000	135261.148	-95261.148	238.153	0.7754
963	62500.000	74877.473	-12377.473	19.804	1.0000
964	85000.000	122969.946	-37969.946	44.671	1.0000
965	24000.000	63319.292	-39319.292	163.830	1.0000
966	85000.000	107842.606	-22842.606	26.874	1.0000
967	55000.000	95494.494	-40494.494	73.626	1.0000
968	80000.000	85650.508	-5650.508	7.063	1.0000
969	39000.000	36972.490	2027.510	5.199	1.0000
970	20000.000	63094.287	-43094.287	215.471	1.0000
971	32500.000	112592.645	-80092.645	246.439	0.9223
972	64000.000	62832.707	1167.293	1.824	1.0000
973	30000.000	114320.852	-84320.852	281.070	0.8760
974	78500.000	106794.427	-28294.427	36.044	1.0000
975	115000.000	139418.955	-24418.955	21.234	1.0000
976	55120.000	101303.224	-46183.224	83.787	1.0000
978	62000.000	61421.454	578.546	0.933	1.0000
979	150000.000	99867.490	50132.510	33.422	1.0000
980	210000.000	151566.366	58433.634	27.826	1.0000
981	375000.000	166004.658	208995.342	55.732	0.3534
982	92500.000	121944.730	-29444.730	31.832	1.0000
983	193500.000	112989.385	80510.615	41.608	0.9175
984	22500.000	87390.758	-64890.758	288.403	1.0000
985	4000.000	100632.113	-96632.113	2415.803	0.7644
986	148000.000	86561.079	61438.921	41.513	1.0000
987	25000.000	190550.405	-165550.405	662.202	0.4462
988	200000.000	105580.445	94419.555	47.210	0.7823
989	10000.000	47184.423	-37184.423	371.844	1.0000
990	28265.000	123343.469	-95078.469	336.382	0.7769
992	85000.000	116019.038	-31019.038	36.493	1.0000
993	70000.000	111739.525	-41739.525	59.628	1.0000
994	85000.000	116322.379	-31322.379	36.850	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
995	118000.000	116322.379	1677.621	1.422	1.0000
996	75000.000	136030.278	-61030.278	81.374	1.0000
997	235000.000	122592.025	112407.975	47.833	0.6571
998	95000.000	152716.587	-57716.587	60.754	1.0000
999	36000.000	64452.598	-28452.598	79.035	1.0000
1000	39000.000	86440.452	-47440.452	121.642	1.0000
1001	52000.000	91313.152	-39313.152	75.602	1.0000
1002	73000.000	92989.416	-19989.416	27.383	1.0000
1003	107500.000	91284.300	16215.700	15.084	1.0000
1004	216000.000	155562.130	60437.870	27.980	1.0000
1005	20000.000	51558.084	-31558.084	157.790	1.0000
1006	25000.000	61454.573	-36454.573	145.818	1.0000
1007	8000.000	102992.838	-94992.838	1187.410	0.7776
1008	92000.000	120392.965	-28392.965	30.862	1.0000
1009	110000.000	88826.549	21173.451	19.249	1.0000
1010	27500.000	115058.600	-87558.600	318.395	0.8436
1011	56000.000	56285.863	-285.863	0.510	1.0000
1012	55000.000	76253.410	-21253.410	38.643	1.0000
1013	210000.000	95468.092	114531.908	54.539	0.6449
1014	250000.000	149846.553	100153.447	40.061	0.7375
1015	265000.000	131826.473	133173.527	50.254	0.5547
1017	85000.000	51517.475	33482.525	39.391	1.0000
1018	175000.000	80541.448	94458.552	53.976	0.7820
1019	100000.000	50076.586	49923.414	49.923	1.0000
1020	95000.000	104865.638	-9865.638	10.385	1.0000
1022	125000.000	99790.973	25209.027	20.167	1.0000
1024	250000.000	144237.255	105762.745	42.305	0.6984
1025	90000.000	42548.949	47451.051	52.723	1.0000
1026	90000.000	44797.404	45202.596	50.225	1.0000
1027	325000.000	92660.138	232339.862	71.489	0.3179
1028	270000.000	87224.300	182775.700	67.695	0.4041
1029	150000.000	125921.495	24078.505	16.052	1.0000
1030	100000.000	50080.821	49919.179	49.919	1.0000
1031	110000.000	111311.384	-1311.384	1.192	1.0000
1032	330000.000	152765.562	177234.438	53.707	0.4168
1033	45000.000	89736.476	-44736.476	99.414	1.0000
1035	145000.000	88919.759	56080.241	38.676	1.0000
1036	130000.000	99388.862	30611.138	23.547	1.0000
1037	90000.000	85772.739	4227.261	4.697	1.0000
1039	75000.000	61320.689	13679.311	18.239	1.0000
1040	85000.000	100509.343	-15509.343	18.246	1.0000
1041	160000.000	91128.012	68871.988	43.045	1.0000
1042	210000.000	99203.621	110796.379	52.760	0.6667
1044	108000.000	84437.832	23562.168	21.817	1.0000
1045	45000.000	106246.694	-61246.694	136.104	1.0000
1046	265000.000	128980.047	136019.953	51.328	0.5431
1047	35000.000	73188.470	-38188.470	109.110	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1048	90000.000	96882.978	-6882.978	7.648	1.0000
1049	55000.000	67521.561	-12521.561	22.766	1.0000
1050	83000.000	74783.995	8216.005	9.899	1.0000
1051	85000.000	96487.500	-11487.500	13.515	1.0000
1052	175000.000	80549.115	94450.885	53.972	0.7821
1054	60000.000	56601.858	3398.142	5.664	1.0000
1055	85000.000	61168.618	23831.382	28.037	1.0000
1057	210000.000	106037.967	103962.033	49.506	0.7105
1058	95000.000	95116.093	-116.093	0.122	1.0000
1059	310000.000	146464.822	163535.178	52.753	0.4517
1061	120000.000	97299.149	22700.851	18.917	1.0000
1062	135000.000	64836.777	70163.223	51.973	1.0000
1063	85000.000	95874.071	-10874.071	12.793	1.0000
1064	215000.000	109938.813	105061.187	48.866	0.7031
1065	225000.000	132060.353	92939.647	41.307	0.7948
1066	95000.000	81676.884	13323.116	14.024	1.0000
1067	65000.000	89729.266	-24729.266	38.045	1.0000
1068	40000.000	37163.869	2836.131	7.090	1.0000
1069	50000.000	24070.503	25929.497	51.859	1.0000
1070	85000.000	47317.250	37682.750	44.333	1.0000
1071	145000.000	76674.314	68325.686	47.121	1.0000
1072	155000.000	88203.478	66796.522	43.095	1.0000
1073	228000.000	132449.665	95550.335	41.908	0.7731
1074	180000.000	115709.474	64290.526	35.717	1.0000
1075	160000.000	123277.768	36722.232	22.951	1.0000
1076	169000.000	108720.036	60279.964	35.669	1.0000
1077	80000.000	36881.364	43118.636	53.898	1.0000
1078	195000.000	79703.356	115296.644	59.126	0.6407
1079	180000.000	125662.659	54337.341	30.187	1.0000
1082	55000.000	75374.731	-20374.731	37.045	1.0000
1083	75000.000	53964.742	21035.258	28.047	1.0000
1084	78000.000	57820.150	20179.850	25.872	1.0000
1085	55000.000	78038.040	-23038.040	41.887	1.0000
1086	90000.000	60988.549	29011.451	32.235	1.0000
1087	80000.000	44316.796	35683.204	44.604	1.0000
1089	95000.000	82318.826	12681.174	13.349	1.0000
1090	60000.000	73544.156	-13544.156	22.574	1.0000
1091	163000.000	99160.227	63839.773	39.166	1.0000
1092	195000.000	112717.479	82282.521	42.196	0.8977
1093	130000.000	53561.180	76438.820	58.799	0.9664
1094	190000.000	130006.740	59993.260	31.575	1.0000
1095	112500.000	106300.462	6199.538	5.511	1.0000
1096	97000.000	78752.176	18247.824	18.812	1.0000
1097	103000.000	76650.812	26349.188	25.582	1.0000
1098	82000.000	129154.196	-47154.196	57.505	1.0000
1099	142500.000	109842.109	32657.891	22.918	1.0000
1100	170000.000	154972.711	15027.289	8.840	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1101	252000.000	150620.215	101379.785	40.230	0.7286
1102	169000.000	99507.661	69492.339	41.120	1.0000
1103	145000.000	112394.580	32605.420	22.486	1.0000
1104	52500.000	82215.441	-29715.441	56.601	1.0000
1105	25000.000	124341.771	-99341.771	397.367	0.7436
1106	30000.000	43213.203	-13213.203	44.044	1.0000
1107	320000.000	103216.049	216783.951	67.745	0.3407
1108	100000.000	80403.905	19596.095	19.596	1.0000
1109	100000.000	95603.684	4396.316	4.396	1.0000
1110	130000.000	79632.392	50367.608	38.744	1.0000
1111	40000.000	77841.764	-37841.764	94.604	1.0000
1112	100000.000	66050.043	33949.957	33.950	1.0000
1113	108000.000	101754.036	6245.964	5.783	1.0000
1114	165000.000	104086.025	60913.975	36.918	1.0000
1115	95000.000	116970.401	-21970.401	23.127	1.0000
1116	180000.000	69460.344	110539.656	61.411	0.6682
1117	128000.000	71842.033	56157.967	43.873	1.0000
1118	245000.000	85929.675	159070.325	64.927	0.4644
1119	80000.000	78743.303	1256.697	1.571	1.0000
1121	180000.000	83723.125	96276.875	53.487	0.7672
1122	76000.000	75664.188	335.812	0.442	1.0000
1123	387500.000	157817.182	229682.818	59.273	0.3216
1124	155000.000	53400.981	101599.019	65.548	0.7270
1125	80000.000	41660.751	38339.249	47.924	1.0000
1126	55000.000	70368.308	-15368.308	27.942	1.0000
1127	75000.000	71711.977	3288.023	4.384	1.0000
1128	110000.000	119893.817	-9893.817	8.994	1.0000
1129	50000.000	81999.500	-31999.500	63.999	1.0000
1130	177000.000	93036.632	83963.368	47.437	0.8798
1131	122000.000	100555.634	21444.366	17.577	1.0000
1132	102500.000	82471.205	20028.795	19.540	1.0000
1133	89000.000	85983.075	3016.925	3.390	1.0000
1134	35000.000	112480.624	-77480.624	221.373	0.9534
1135	135000.000	139136.735	-4136.735	3.064	1.0000
1136	50000.000	59715.024	-9715.024	19.430	1.0000
1137	100000.000	88710.142	11289.858	11.290	1.0000
1138	370000.000	96152.560	273847.440	74.013	0.2697
1139	280000.000	100394.259	179605.741	64.145	0.4113
1140	330000.000	46656.574	283343.426	85.862	0.2607
1141	70000.000	31732.626	38267.374	54.668	1.0000
1142	68000.000	61376.913	6623.087	9.740	1.0000
1143	25000.000	72553.664	-47553.664	190.215	1.0000
1144	96000.000	92251.199	3748.801	3.905	1.0000
1145	150000.000	75999.018	74000.982	49.334	0.9982
1146	180000.000	114785.332	65214.668	36.230	1.0000
1147	230000.000	120645.172	109354.828	47.546	0.6755
1148	525000.000	102572.076	422427.924	80.462	0.1749

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1150	35000.000	36337.552	-1337.552	3.822	1.0000
1151	70000.000	66541.880	3458.120	4.940	1.0000
1152	280000.000	125723.972	154276.028	55.099	0.4788
1153	170000.000	79237.091	90762.909	53.390	0.8138
1154	30000.000	97323.511	-67323.511	224.412	1.0000
1155	50000.000	66925.912	-16925.912	33.852	1.0000
1156	110000.000	119555.507	-9555.507	8.687	1.0000
1157	86000.000	109071.868	-23071.868	26.828	1.0000
1158	130000.000	134441.616	-4441.616	3.417	1.0000
1159	130000.000	93786.772	36213.228	27.856	1.0000
1160	68000.000	56336.726	11663.274	17.152	1.0000
1161	65000.000	54039.201	10960.799	16.863	1.0000
1162	260000.000	137831.325	122168.675	46.988	0.6046
1163	70000.000	88547.995	-18547.995	26.497	1.0000
1165	37000.000	82201.823	-45201.823	122.167	1.0000
1166	60000.000	44902.198	15097.802	25.163	1.0000
1168	130000.000	62239.997	67760.003	52.123	1.0000
1169	130000.000	120838.019	9161.981	7.048	1.0000
1170	127000.000	78592.959	48407.041	38.116	1.0000
1171	90000.000	81841.871	8158.129	9.065	1.0000
1172	410000.000	123890.872	286109.128	69.783	0.2582
1173	105000.000	105560.293	-560.293	0.534	1.0000
1174	56000.000	102592.016	-46592.016	83.200	1.0000
1175	185000.000	116836.428	68163.572	36.845	1.0000
1176	160000.000	91425.906	68574.094	42.859	1.0000
1177	80000.000	116212.216	-36212.216	45.265	1.0000
1178	110000.000	67056.664	42943.336	39.039	1.0000
1179	55000.000	108808.642	-53808.642	97.834	1.0000
1180	65500.000	84500.696	-19000.696	29.009	1.0000
1181	235000.000	94041.295	140958.705	59.982	0.5240
1182	149000.000	61892.801	87107.199	58.461	0.8480
1183	155000.000	106634.530	48365.470	31.204	1.0000
1184	200000.000	109753.727	90246.273	45.123	0.8185
1185	310000.000	156519.106	153480.894	49.510	0.4813
1186	165000.000	111495.865	53504.135	32.427	1.0000
1187	145000.000	96888.860	48111.140	33.180	1.0000
1188	150000.000	111717.139	38282.861	25.522	1.0000
1189	100000.000	65105.096	34894.904	34.895	1.0000
1190	55000.000	36589.990	18410.010	33.473	1.0000
1191	34000.000	75438.004	-41438.004	121.876	1.0000
1192	40000.000	75100.893	-35100.893	87.752	1.0000
1193	70500.000	153847.754	-83347.754	118.224	0.8862
1194	80000.000	82771.989	-2771.989	3.465	1.0000
1195	173000.000	77809.819	95190.181	55.023	0.7760
1196	58000.000	78202.129	-20202.129	34.831	1.0000
1197	365000.000	110020.718	254979.282	69.857	0.2897
1198	197000.000	144561.218	52438.782	26.619	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1199	107000.000	108949.128	-1949.128	1.822	1.0000
1200	265000.000	127096.933	137903.067	52.039	0.5356
1202	205000.000	134841.470	70158.530	34.224	1.0000
1203	95000.000	99779.772	-4779.772	5.031	1.0000
1204	12500.000	32700.492	-20200.492	161.604	1.0000
1205	275000.000	78838.718	196161.282	71.331	0.3766
1206	70000.000	75122.352	-5122.352	7.318	1.0000
1207	29000.000	74695.243	-45695.243	157.570	1.0000
1210	140000.000	70832.032	69167.968	49.406	1.0000
1211	330000.000	115621.399	214378.601	64.963	0.3446
1212	45000.000	44292.827	707.173	1.571	1.0000
1213	95000.000	77412.858	17587.142	18.513	1.0000
1215	65000.000	100202.925	-35202.925	54.158	1.0000
1216	235000.000	89273.547	145726.453	62.011	0.5069
1217	115000.000	36588.703	78411.297	68.184	0.9420
1218	110000.000	48351.932	61648.068	56.044	1.0000
1219	230000.000	114662.348	115337.652	50.147	0.6404
1220	65000.000	51933.144	13066.856	20.103	1.0000
1221	80000.000	72514.173	7485.827	9.357	1.0000
1222	65000.000	57775.881	7224.119	11.114	1.0000
1223	140000.000	84459.448	55540.552	39.672	1.0000
1225	102500.000	85807.654	16692.346	16.285	1.0000
1226	400000.000	81459.895	318540.105	79.635	0.2319
1227	155000.000	113879.657	41120.343	26.529	1.0000
1228	160000.000	73932.565	86067.435	53.792	0.8582
1229	70000.000	61585.970	8414.030	12.020	1.0000
1230	20000.000	46507.501	-26507.501	132.538	1.0000
1231	249000.000	112136.733	136863.267	54.965	0.5397
1233	257000.000	107519.901	149480.099	58.163	0.4942
1234	180000.000	107443.273	72556.727	40.309	1.0000
1235	190000.000	150037.932	39962.068	21.033	1.0000
1236	255000.000	118948.593	136051.407	53.353	0.5429
1237	100000.000	87466.965	12533.035	12.533	1.0000
1239	32000.000	47397.520	-15397.520	48.117	1.0000
1240	210000.000	155884.574	54115.426	25.769	1.0000
1241	320000.000	137924.416	182075.584	56.899	0.4057
1242	325000.000	137924.416	187075.584	57.562	0.3949
1243	72000.000	139643.842	-67643.842	93.950	1.0000
1244	100000.000	123474.008	-23474.008	23.474	1.0000
1245	149995.000	105640.206	44354.794	29.571	1.0000
1246	165000.000	126233.614	38766.386	23.495	1.0000
1247	35000.000	51750.305	-16750.305	47.858	1.0000
1248	78000.000	71162.123	6837.877	8.767	1.0000
1249	90000.000	34793.819	55206.181	61.340	1.0000
1250	230000.000	79756.140	150243.860	65.323	0.4916
1251	89000.000	84855.521	4144.479	4.657	1.0000
1252	48000.000	76733.986	-28733.986	59.862	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1253	90000.000	67419.455	22580.545	25.089	1.0000
1254	178000.000	103039.540	74960.460	42.113	0.9854
1255	190000.000	116080.020	73919.980	38.905	0.9993
1256	53333.000	80657.149	-27324.149	51.233	1.0000
1257	95000.000	120841.858	-25841.858	27.202	1.0000
1258	45000.000	85564.229	-40564.229	90.143	1.0000
1259	65000.000	87230.855	-22230.855	34.201	1.0000
1260	86000.000	84537.087	1462.913	1.701	1.0000
1261	159000.000	82076.846	76923.154	48.379	0.9603
1262	120000.000	76183.712	43816.288	36.514	1.0000
1263	19000.000	72046.883	-53046.883	279.194	1.0000
1264	55000.000	100628.081	-45628.081	82.960	1.0000
1265	115000.000	134771.531	-19771.531	17.193	1.0000
1266	235000.000	68313.259	166686.741	70.931	0.4431
1269	115000.000	88472.732	26527.268	23.067	1.0000
1270	225000.000	110462.549	114537.451	50.906	0.6449
1271	255000.000	100247.370	154752.630	60.687	0.4773
1272	30000.000	94754.046	-64754.046	215.847	1.0000
1274	125000.000	91494.335	33505.665	26.805	1.0000
1275	62500.000	74990.548	-12490.548	19.985	1.0000
1276	25000.000	43276.619	-18276.619	73.106	1.0000
1277	83000.000	75658.919	7341.081	8.845	1.0000
1278	185000.000	100098.084	84901.916	45.893	0.8700
1280	105000.000	46224.180	58775.820	55.977	1.0000
1281	197500.000	122704.803	74795.197	37.871	0.9876
1282	78000.000	69122.884	8877.116	11.381	1.0000
1283	100000.000	73089.128	26910.872	26.911	1.0000
1284	25000.000	50741.630	-25741.630	102.967	1.0000
1285	40000.000	36699.216	3300.784	8.252	1.0000
1286	27000.000	2209.465	24790.535	91.817	1.0000
1287	20000.000	101665.833	-81665.833	408.329	0.9045
1290	249000.000	135473.589	113526.411	45.593	0.6507
1291	165000.000	150670.375	14329.625	8.685	1.0000
1292	310000.000	132060.745	177939.255	57.400	0.4151
1293	148000.000	75704.691	72295.309	48.848	1.0000
1294	200000.000	74990.139	125009.861	62.505	0.5909
1297	90000.000	73076.110	16923.890	18.804	1.0000
1298	235000.000	126263.177	108736.823	46.271	0.6793
1299	160000.000	145159.335	14840.665	9.275	1.0000
1300	208000.000	130034.039	77965.961	37.484	0.9474
1301	155000.000	133266.594	21733.406	14.022	1.0000
1302	173000.000	141020.162	31979.838	18.485	1.0000
1303	145000.000	128285.160	16714.840	11.527	1.0000
1304	95000.000	81891.365	13108.635	13.799	1.0000
1305	55000.000	68550.012	-13550.012	24.636	1.0000
1306	105000.000	101457.827	3542.173	3.373	1.0000
1307	170000.000	107182.675	62817.325	36.951	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1308	90000.000	92057.967	-2057.967	2.287	1.0000
1309	38000.000	88789.024	-50789.024	133.655	1.0000
1310	60000.000	117765.288	-57765.288	96.275	1.0000
1311	125000.000	100558.895	24441.105	19.553	1.0000
1312	95000.000	84583.285	10416.715	10.965	1.0000
1313	125000.000	58995.278	66004.722	52.804	1.0000
1314	155000.000	85408.032	69591.968	44.898	1.0000
1315	120000.000	168864.670	-48864.670	40.721	1.0000
1316	189000.000	115709.474	73290.526	38.778	1.0000
1317	135000.000	108569.785	26430.215	19.578	1.0000
1318	215000.000	130726.886	84273.114	39.197	0.8765
1319	170000.000	126514.988	43485.012	25.579	1.0000
1320	160000.000	131490.203	28509.797	17.819	1.0000
1321	255000.000	101398.798	153601.202	60.236	0.4809
1322	90000.000	68463.728	21536.272	23.929	1.0000
1323	55000.000	93538.404	-38538.404	70.070	1.0000
1324	152500.000	80202.571	72297.429	47.408	1.0000
1325	245000.000	139281.206	105718.794	43.151	0.6987
1326	99000.000	62797.649	36202.351	36.568	1.0000
1327	130000.000	76657.499	53342.501	41.033	1.0000
1328	50000.000	66976.907	-16976.907	33.954	1.0000
1329	10000.000	25008.247	-15008.247	150.082	1.0000
1330	79000.000	61300.013	17699.987	22.405	1.0000
1331	40000.000	53370.243	-13370.243	33.426	1.0000
1332	22000.000	110352.737	-88352.737	401.603	0.8360
1333	44000.000	45585.665	-1585.665	3.604	1.0000
1334	100000.000	119590.946	-19590.946	19.591	1.0000
1335	130000.000	83826.790	46173.210	35.518	1.0000
1336	145000.000	103075.676	41924.324	28.913	1.0000
1338	42000.000	54415.398	-12415.398	29.560	1.0000
1340	27000.000	93051.799	-66051.799	244.636	1.0000
1341	235000.000	162359.308	72640.692	30.911	1.0000
1342	230000.000	169939.825	60060.175	26.113	1.0000
1343	140000.000	100653.448	39346.552	28.105	1.0000
1344	48750.000	65334.775	-16584.775	34.020	1.0000
1346	85000.000	82814.988	2185.012	2.571	1.0000
1347	70000.000	68375.550	1624.450	2.321	1.0000
1350	99000.000	92782.617	6217.383	6.280	1.0000
1351	60000.000	77412.459	-17412.459	29.021	1.0000
1352	180000.000	117416.843	62583.157	34.768	1.0000
1353	180000.000	134286.619	45713.381	25.396	1.0000
1354	155000.000	112149.851	42850.149	27.645	1.0000
1355	60000.000	95027.482	-35027.482	58.379	1.0000
1356	91000.000	92663.490	-1663.490	1.828	1.0000
1357	55000.000	83499.864	-28499.864	51.818	1.0000
1358	115000.000	76034.399	38965.601	33.883	1.0000
1359	192000.000	118427.592	73572.408	38.319	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1360	97500.000	90351.938	7148.062	7.331	1.0000
1361	50000.000	89846.719	-39846.719	79.693	1.0000
1362	270000.000	138394.305	131605.695	48.743	0.5613
1363	50000.000	92162.584	-42162.584	84.325	1.0000
1364	250000.000	84565.158	165434.842	66.174	0.4465
1365	155000.000	142518.803	12481.197	8.052	1.0000
1367	192000.000	89668.321	102331.679	53.298	0.7218
1368	250000.000	160751.556	89248.444	35.699	0.8277
1369	288000.000	160751.556	127248.444	44.183	0.5805
1373	60000.000	58259.733	1740.267	2.900	1.0000
1374	140000.000	77353.713	62646.287	44.747	1.0000
1376	127000.000	88157.411	38842.589	30.585	1.0000
1377	292000.000	153973.281	138026.719	47.269	0.5352
1378	325000.000	105965.344	219034.656	67.395	0.3372
1379	225000.000	83502.402	141497.598	62.888	0.5220
1380	150000.000	68666.046	81333.954	54.223	0.9082
1381	116480.000	121948.301	-5468.301	4.695	1.0000
1382	325000.000	117328.705	207671.295	63.899	0.3557
1383	171000.000	136319.893	34680.107	20.281	1.0000
1385	152000.000	135449.933	16550.067	10.888	1.0000
1386	130000.000	95603.674	34396.326	26.459	1.0000
1387	150000.000	104333.497	45666.503	30.444	1.0000
1388	88000.000	85265.106	2734.894	3.108	1.0000
1389	35000.000	67879.686	-32879.686	93.942	1.0000
1390	76000.000	131217.791	-55217.791	72.655	1.0000
1393	40000.000	88691.507	-48691.507	121.729	1.0000
1394	49000.000	42257.716	6742.284	13.760	1.0000
1395	150000.000	90208.425	59791.575	39.861	1.0000
1396	230000.000	178068.446	51931.554	22.579	1.0000
1398	300000.000	88435.091	211564.909	70.522	0.3491
1399	35000.000	74250.127	-39250.127	112.143	1.0000
1400	132000.000	156623.845	-24623.845	18.654	1.0000
1401	88000.000	56874.143	31125.857	35.370	1.0000
1402	82000.000	36455.704	45544.296	55.542	1.0000
1403	325000.000	84881.358	240118.642	73.883	0.3076
1404	50000.000	64780.504	-14780.504	29.561	1.0000
1405	175000.000	86711.164	88288.836	50.451	0.8367
1406	250000.000	79960.308	170039.692	68.016	0.4344
1407	200000.000	108447.513	91552.487	45.776	0.8068
1408	177500.000	113455.643	64044.357	36.081	1.0000
1409	30000.000	69427.938	-39427.938	131.426	1.0000
1410	35000.000	71332.223	-36332.223	103.806	1.0000
1411	235000.000	118817.639	116182.361	49.439	0.6358
1412	105000.000	232412.337	-127412.337	121.345	0.5797
1413	63000.000	51748.265	11251.735	17.860	1.0000
1414	130000.000	87404.436	42595.564	32.766	1.0000
1415	20000.000	32141.114	-12141.114	60.706	1.0000

Robust Multiple Regression Report

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1416	40000.000	128026.652	-88026.652	220.067	0.8391
1417	100000.000	74780.509	25219.491	25.219	1.0000
1418	110000.000	57611.732	52388.268	47.626	1.0000
1419	140000.000	201541.328	-61541.328	43.958	1.0000
1420	120000.000	124874.481	-4874.481	4.062	1.0000
1421	80000.000	83161.921	-3161.921	3.952	1.0000
1424	189000.000	117727.221	71272.779	37.710	1.0000
1425	110000.000	58560.974	51439.026	46.763	1.0000
1426	100000.000	74524.430	25475.570	25.476	1.0000
1427	13000.000	45193.634	-32193.634	247.643	1.0000
1428	95000.000	60521.838	34478.162	36.293	1.0000
1429	190000.000	109910.480	80089.520	42.152	0.9223
1430	197500.000	98928.894	98571.106	49.909	0.7494
1431	18950.000	40567.495	-21617.495	114.076	1.0000
1432	85000.000	161112.359	-76112.359	89.544	0.9705
1433	98000.000	150460.800	-52460.800	53.531	1.0000
1434	127500.000	70663.538	56836.462	44.578	1.0000
1435	75000.000	40032.231	34967.769	46.624	1.0000
1437	125000.000	88659.848	36340.152	29.072	1.0000
1438	60000.000	77165.777	-17165.777	28.610	1.0000
1439	60000.000	87637.504	-27637.504	46.063	1.0000
1440	80000.000	96870.163	-16870.163	21.088	1.0000
1441	40000.000	54051.148	-14051.148	35.128	1.0000
1442	142000.000	105642.840	36357.160	25.604	1.0000
1443	255000.000	107196.217	147803.783	57.962	0.4998
1444	160000.000	130215.153	29784.847	18.616	1.0000
1445	800000.000	41890.765	758109.235	94.764	0.0974
1446	315000.000	150652.389	164347.611	52.174	0.4495
1447	240000.000	134624.910	105375.090	43.906	0.7010
1448	195000.000	138247.801	56752.199	29.104	1.0000
1449	320000.000	118825.347	201174.653	62.867	0.3672
1450	275000.000	124047.257	150952.743	54.892	0.4893
1451	120000.000	110634.617	9365.383	7.804	1.0000
1452	92000.000	82582.195	9417.805	10.237	1.0000
1453	162000.000	113658.782	48341.218	29.840	1.0000
1454	180000.000	112530.016	67469.984	37.483	1.0000
1455	42000.000	89243.972	-47243.972	112.486	1.0000
1456	120000.000	68142.804	51857.196	43.214	1.0000
1457	80000.000	67516.964	12483.036	15.604	1.0000
1458	85000.000	69904.695	15095.305	17.759	1.0000
1459	115000.000	88772.700	26227.300	22.806	1.0000
1460	34000.000	121483.038	-87483.038	257.303	0.8444
1461	160000.000	114458.382	45541.618	28.464	1.0000
1462	329000.000	118276.278	210723.722	64.050	0.3505
1463	80000.000	78292.200	1707.800	2.135	1.0000
1464	80000.000	52336.487	27663.513	34.579	1.0000
1466	63700.000	73003.046	-9303.046	14.604	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1467	155000.000	111763.632	43236.368	27.894	1.0000
1468	285000.000	77822.974	207177.026	72.694	0.3565
1469	110000.000	128044.799	-18044.799	16.404	1.0000
1470	185000.000	144212.134	40787.866	22.047	1.0000
1471	75000.000	136946.658	-61946.658	82.596	1.0000
1472	580000.000	138630.887	441369.113	76.098	0.1674
1473	75000.000	96040.043	-21040.043	28.053	1.0000
1474	360000.000	140982.702	219017.298	60.838	0.3373
1475	139000.000	60542.052	78457.948	56.445	0.9415
1476	220000.000	103989.294	116010.706	52.732	0.6367
1477	125000.000	74052.633	50947.367	40.758	1.0000
1478	50000.000	87394.342	-37394.342	74.789	1.0000
1479	170000.000	85891.659	84108.341	49.475	0.8782
1480	90500.000	81878.212	8621.788	9.527	1.0000
1481	23000.000	87449.048	-64449.048	280.213	1.0000
1482	35000.000	76280.211	-41280.211	117.943	1.0000
1483	78000.000	94162.442	-16162.442	20.721	1.0000
1484	75000.000	69456.810	5543.190	7.391	1.0000
1485	165000.000	78947.024	86052.976	52.153	0.8584
1487	115000.000	82849.109	32150.891	27.957	1.0000
1488	64000.000	70860.270	-6860.270	10.719	1.0000
1489	310000.000	120480.905	189519.095	61.135	0.3898
1490	240000.000	79328.507	160671.493	66.946	0.4597
1491	70000.000	53403.897	16596.103	23.709	1.0000
1492	110000.000	107435.694	2564.306	2.331	1.0000
1493	115000.000	122023.399	-7023.399	6.107	1.0000
1494	210000.000	140549.419	69450.581	33.072	1.0000
1495	220000.000	101667.733	118332.267	53.787	0.6242
1496	90000.000	55600.552	34399.448	38.222	1.0000
1497	300000.000	143894.289	156105.711	52.035	0.4732
1498	145000.000	148222.007	-3222.007	2.222	1.0000
1499	32000.000	71859.428	-39859.428	124.561	1.0000
1500	40000.000	75282.399	-35282.399	88.206	1.0000
1501	93000.000	78205.702	14794.298	15.908	1.0000
1502	100000.000	98776.538	1223.462	1.223	1.0000
1503	149000.000	148941.983	58.017	0.039	1.0000
1504	185000.000	80082.882	104917.118	56.712	0.7041
1505	330000.000	67743.847	262256.153	79.472	0.2817
1506	85000.000	50014.765	34985.235	41.159	1.0000
1507	315000.000	136453.501	178546.499	56.681	0.4137
1508	150000.000	133515.891	16484.109	10.989	1.0000
1511	225000.000	113442.394	111557.606	49.581	0.6621
1512	765000.000	79301.378	685698.622	89.634	0.1077
1513	205000.000	141370.623	63629.377	31.039	1.0000
1514	70000.000	79895.568	-9895.568	14.137	1.0000
1515	292000.000	116711.766	175288.234	60.030	0.4214
1516	95000.000	76695.377	18304.623	19.268	1.0000

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1517	150000.000	62034.063	87965.937	58.644	0.8397
1518	133000.000	154142.355	-21142.355	15.897	1.0000
1519	140000.000	79299.278	60700.722	43.358	1.0000
1520	40000.000	109685.700	-69685.700	174.214	1.0000
1522	110000.000	71859.290	38140.710	34.673	1.0000
1523	54000.000	81189.595	-27189.595	50.351	1.0000
1525	47000.000	45282.243	1717.757	3.655	1.0000
1526	118000.000	74396.031	43603.969	36.953	1.0000
1527	23000.000	43419.106	-20419.106	88.779	1.0000
1528	250000.000	111373.945	138626.055	55.450	0.5329
1529	74000.000	85754.270	-11754.270	15.884	1.0000
1530	190000.000	66374.318	123625.682	65.066	0.5975
1531	30500.000	67344.402	-36844.402	120.801	1.0000
1532	205500.000	53025.967	152474.033	74.197	0.4845
1533	260000.000	45328.841	214671.159	82.566	0.3441
1534	98000.000	90113.414	7886.586	8.048	1.0000
1535	185000.000	67731.713	117268.287	63.388	0.6299
1536	120000.000	56540.436	63459.564	52.883	1.0000
1537	440000.000	136228.107	303771.893	69.039	0.2432
1538	140000.000	149957.733	-9957.733	7.113	1.0000
1539	170000.000	89612.045	80387.955	47.287	0.9189
1540	160000.000	114105.486	45894.514	28.684	1.0000
1541	150000.000	179990.100	-29990.100	19.993	1.0000
1542	185000.000	132734.606	52265.394	28.252	1.0000
1545	91000.000	40148.142	50851.858	55.881	1.0000
1546	255000.000	88086.140	166913.860	65.456	0.4425
1547	50000.000	89772.260	-39772.260	79.545	1.0000
1548	475000.000	130798.760	344201.240	72.463	0.2146
1549	120000.000	65805.005	54194.995	45.162	1.0000
1550	140000.000	66022.241	73977.759	52.841	0.9985
1551	300000.000	129618.411	170381.589	56.794	0.4335
1552	130000.000	93899.440	36100.560	27.770	1.0000
1553	117500.000	60114.531	57385.469	48.839	1.0000
1554	265000.000	119763.376	145236.624	54.806	0.5086
1555	45000.000	93715.085	-48715.085	108.256	1.0000
1556	60000.000	123700.379	-63700.379	106.167	1.0000
1557	63000.000	88247.940	-25247.940	40.076	1.0000
1558	75000.000	89312.168	-14312.168	19.083	1.0000
1560	190000.000	100814.438	89185.562	46.940	0.8282
1561	83500.000	68385.679	15114.321	18.101	1.0000
1562	340000.000	92775.172	247224.828	72.713	0.2988
1563	73000.000	59225.151	13774.849	18.870	1.0000
1564	93000.000	90806.375	2193.625	2.359	1.0000
1565	100000.000	111939.895	-11939.895	11.940	1.0000
1566	390000.000	165675.315	224324.685	57.519	0.3293
1567	40000.000	6884.950	33115.050	82.788	1.0000
1568	455000.000	145974.856	309025.144	67.918	0.2390

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 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1569	145000.000	109840.050	35159.950	24.248	1.0000
1570	180000.000	129801.632	50198.368	27.888	1.0000
1571	210000.000	119252.348	90747.652	43.213	0.8140
1572	1200000.000	79793.395	1120206.605	93.351	0.0659
1573	270000.000	91319.108	178680.892	66.178	0.4134
1574	40000.000	95562.259	-55562.259	138.906	1.0000
1576	126000.000	99094.711	26905.289	21.353	1.0000
1577	89000.000	63430.088	25569.912	28.730	1.0000
1578	175000.000	85096.326	89903.674	51.374	0.8216
1579	188000.000	73178.864	114821.136	61.075	0.6433
1580	80000.000	67160.802	12839.198	16.049	1.0000
1581	220000.000	93872.647	126127.353	57.331	0.5857
1582	30000.000	72050.521	-42050.521	140.168	1.0000
1583	315000.000	87552.762	227447.238	72.205	0.3248
1584	150000.000	99779.890	50220.110	33.480	1.0000
1585	77000.000	136497.516	-59497.516	77.270	1.0000
1586	249400.000	117331.664	132068.336	52.954	0.5593
1587	90000.000	26734.153	63265.847	70.295	1.0000
1588	295000.000	123242.020	171757.980	58.223	0.4301
1590	345000.000	86259.029	258740.971	74.997	0.2855
1591	45500.000	56115.620	-10615.620	23.331	1.0000
1592	50365.000	111565.627	-61200.627	121.514	1.0000
1593	70000.000	87283.991	-17283.991	24.691	1.0000
1594	150000.000	109889.047	40110.953	26.741	1.0000
1595	48000.000	69991.233	-21991.233	45.815	1.0000
1596	355000.000	81388.200	273611.800	77.074	0.2700
1597	100000.000	64555.449	35444.551	35.445	1.0000
1598	95000.000	94819.320	180.680	0.190	1.0000
1600	35000.000	118668.222	-83668.222	239.052	0.8829
1601	210000.000	87135.677	122864.323	58.507	0.6012
1602	330000.000	125045.974	204954.026	62.107	0.3604
1604	32500.000	76910.290	-44410.290	136.647	1.0000
1605	60000.000	69327.070	-9327.070	15.545	1.0000
1606	75000.000	61816.096	13183.904	17.579	1.0000
1608	205000.000	75112.798	129887.202	63.360	0.5687
1609	37000.000	59652.978	-22652.978	61.224	1.0000
1610	180000.000	85903.998	94096.002	52.276	0.7850
1611	350000.000	93980.623	256019.377	73.148	0.2885
1612	35000.000	137458.988	-102458.988	292.740	0.7209
1613	80000.000	59539.783	20460.217	25.575	1.0000
1614	78000.000	72259.472	5740.528	7.360	1.0000
1615	40000.000	74526.674	-34526.674	86.317	1.0000
1616	650000.000	78128.946	571871.054	87.980	0.1292
1618	335000.000	101797.163	233202.837	69.613	0.3167
1620	106500.000	104608.966	1891.034	1.776	1.0000
1621	115000.000	87363.939	27636.061	24.031	1.0000
1622	183000.000	91542.174	91457.826	49.977	0.8077

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1623	129500.000	49063.712	80436.288	62.113	0.9183
1624	210000.000	139313.323	70686.677	33.660	1.0000
1626	65000.000	49998.308	15001.692	23.080	1.0000
1627	44000.000	87065.361	-43065.361	97.876	1.0000
1628	116000.000	106700.861	9299.139	8.016	1.0000
1629	270000.000	47767.809	222232.191	82.308	0.3324
1630	335000.000	157780.776	177219.224	52.901	0.4168
1632	240000.000	166185.178	73814.822	30.756	1.0000
1633	55000.000	99967.951	-44967.951	81.760	1.0000
1634	175000.000	130140.470	44859.530	25.634	1.0000
1635	170000.000	168706.234	1293.766	0.761	1.0000
1636	95000.000	79455.073	15544.927	16.363	1.0000
1637	360000.000	94839.633	265160.367	73.656	0.2786
1638	259000.000	90787.335	168212.665	64.947	0.4391
1640	250000.000	65949.049	184050.951	73.620	0.4013
1641	120000.000	119873.701	126.299	0.105	1.0000
1642	45000.000	89247.545	-44247.545	98.328	1.0000
1643	210000.000	126800.643	83199.357	39.619	0.8878
1645	95000.000	60197.699	34802.301	36.634	1.0000
1646	140000.000	90446.928	49553.072	35.395	1.0000
1647	41000.000	80280.612	-39280.612	95.806	1.0000
1648	136000.000	86561.079	49438.921	36.352	1.0000
1649	237500.000	148762.976	88737.024	37.363	0.8324
1650	58000.000	98533.394	-40533.394	69.885	1.0000
1652	220000.000	115077.572	104922.428	47.692	0.7040
1653	48000.000	88163.112	-40163.112	83.673	1.0000
1654	75000.000	72524.504	2475.496	3.301	1.0000
1655	385000.000	154863.988	230136.012	59.776	0.3210
1656	160000.000	153707.786	6292.214	3.933	1.0000
1657	83000.000	101414.494	-18414.494	22.186	1.0000
1658	630000.000	108516.182	521483.818	82.775	0.1416
1659	248000.000	122454.929	125545.071	50.623	0.5884
1660	80000.000	46105.316	33894.684	42.368	1.0000
1661	148000.000	119132.031	28867.969	19.505	1.0000
1662	190000.000	92099.216	97900.784	51.527	0.7545
1663	52175.000	73626.212	-21451.212	41.114	1.0000
1665	70000.000	121705.453	-51705.453	73.865	1.0000
1666	200000.000	82215.441	117784.559	58.892	0.6271
1667	295000.000	95050.531	199949.469	67.779	0.3694
1668	307500.000	117480.506	190019.494	61.795	0.3887
1669	75000.000	78724.302	-3724.302	4.966	1.0000
1671	117000.000	59490.207	57509.793	49.154	1.0000
1672	355000.000	137381.296	217618.704	61.301	0.3394
1673	140000.000	84679.584	55320.416	39.515	1.0000
1674	288500.000	133000.218	155499.782	53.899	0.4750
1675	315000.000	147683.603	167316.397	53.116	0.4415
1676	29000.000	54048.803	-25048.803	86.375	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1678	52000.000	56706.849	-4706.849	9.052	1.0000
1679	165000.000	66159.272	98840.728	59.903	0.7473
1680	240000.000	166828.133	73171.867	30.488	1.0000
1681	92000.000	56815.799	35184.201	38.244	1.0000
1682	138000.000	34921.019	103078.981	74.695	0.7166
1683	157500.000	89032.706	68467.294	43.471	1.0000
1684	60000.000	69404.044	-9404.044	15.673	1.0000
1685	35000.000	76722.213	-41722.213	119.206	1.0000
1686	215000.000	149117.294	65882.706	30.643	1.0000
1687	220000.000	128425.298	91574.702	41.625	0.8066
1688	160000.000	65899.223	94100.777	58.813	0.7850
1689	100000.000	113359.316	-13359.316	13.359	1.0000
1690	258000.000	87698.665	170301.335	66.008	0.4337
1691	428000.000	109834.805	318165.195	74.338	0.2322
1692	325000.000	137416.045	187583.955	57.718	0.3938
1693	37000.000	34456.991	2543.009	6.873	1.0000
1694	94000.000	81057.198	12942.802	13.769	1.0000
1695	100000.000	98448.828	1551.172	1.551	1.0000
1696	50000.000	59018.335	-9018.335	18.037	1.0000
1697	185000.000	112555.877	72444.123	39.159	1.0000
1698	135000.000	106313.034	28686.966	21.250	1.0000
1699	230000.000	91060.286	138939.714	60.409	0.5316
1700	130000.000	99534.335	30465.665	23.435	1.0000
1701	65000.000	109671.955	-44671.955	68.726	1.0000
1702	60000.000	90289.139	-30289.139	50.482	1.0000
1703	85000.000	37936.990	47063.010	55.368	1.0000
1704	15000.000	82837.081	-67837.081	452.247	1.0000
1705	165000.000	82045.193	82954.807	50.276	0.8904
1706	180000.000	90757.024	89242.976	49.579	0.8277
1707	187000.000	111871.440	75128.560	40.176	0.9832
1708	90000.000	69916.789	20083.211	22.315	1.0000
1709	285000.000	57324.559	227675.441	79.886	0.3244
1710	80000.000	24331.922	55668.078	69.585	1.0000
1711	90000.000	66784.063	23215.937	25.795	1.0000
1712	205000.000	77165.777	127834.223	62.358	0.5778
1713	49000.000	84891.627	-35891.627	73.248	1.0000
1715	42500.000	83561.743	-41061.743	96.616	1.0000
1716	83000.000	93877.465	-10877.465	13.105	1.0000
1717	228000.000	99860.948	128139.052	56.201	0.5765
1719	95000.000	97361.373	-2361.373	2.486	1.0000
1720	230000.000	84649.910	145350.090	63.196	0.5082
1722	62000.000	67773.245	-5773.245	9.312	1.0000
1723	195000.000	67265.485	127734.515	65.505	0.5783
1724	54000.000	61608.418	-7608.418	14.090	1.0000
1725	35000.000	73581.985	-38581.985	110.234	1.0000
1726	372200.000	106225.286	265974.714	71.460	0.2777
1727	100000.000	112656.230	-12656.230	12.656	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1728	345000.000	171206.950	173793.050	50.375	0.4250
1729	205000.000	102608.913	102391.087	49.947	0.7214
1730	110000.000	57223.971	52776.029	47.978	1.0000
1731	84000.000	50824.995	33175.005	39.494	1.0000
1732	260000.000	115207.831	144792.169	55.689	0.5102
1733	255000.000	146794.222	108205.778	42.434	0.6827
1734	105000.000	93074.354	11925.646	11.358	1.0000
1735	115000.000	83915.676	31084.324	27.030	1.0000
1737	15000.000	127190.368	-112190.368	747.936	0.6584
1738	145000.000	42458.778	102541.222	70.718	0.7204
1739	110000.000	82583.373	27416.627	24.924	1.0000
1740	100000.000	95084.100	4915.900	4.916	1.0000
1741	64000.000	54722.512	9277.488	14.496	1.0000
1742	285000.000	122561.989	162438.011	56.996	0.4547
1743	80000.000	62617.992	17382.008	21.728	1.0000
1744	55000.000	118159.038	-63159.038	114.835	1.0000
1745	50000.000	65524.714	-15524.714	31.049	1.0000
1747	135000.000	108630.622	26369.378	19.533	1.0000
1748	160000.000	90289.375	69710.625	43.569	1.0000
1749	45000.000	68706.367	-23706.367	52.681	1.0000
1750	260000.000	121735.646	138264.354	53.179	0.5342
1751	80050.000	146816.587	-66766.587	83.406	1.0000
1752	205000.000	129698.752	75301.248	36.732	0.9810
1753	244000.000	90654.150	153345.850	62.847	0.4817
1754	287000.000	130096.840	156903.160	54.670	0.4708
1755	175000.000	122989.411	52010.589	29.720	1.0000
1756	58000.000	131348.955	-73348.955	126.464	1.0000
1757	135000.000	131407.611	3592.389	2.661	1.0000
1758	120000.000	118822.113	1177.887	0.982	1.0000
1759	270000.000	91290.658	178709.342	66.189	0.4133
1760	107000.000	81990.189	25009.811	23.374	1.0000
1761	110000.000	61383.053	48616.947	44.197	1.0000
1762	30000.000	80362.107	-50362.107	167.874	1.0000
1763	182000.000	147219.510	34780.490	19.110	1.0000
1764	107000.000	39551.857	67448.143	63.036	1.0000
1765	80000.000	119234.763	-39234.763	49.043	1.0000
1766	70000.000	86527.799	-16527.799	23.611	1.0000
1768	220000.000	95335.325	124664.675	56.666	0.5925
1770	210000.000	118140.003	91859.997	43.743	0.8041
1771	225000.000	72301.856	152698.144	67.866	0.4837
1772	65000.000	77809.105	-12809.105	19.706	1.0000
1773	235000.000	121560.433	113439.567	48.272	0.6512
1774	37500.000	75344.717	-37844.717	100.919	1.0000
1775	247500.000	141437.682	106062.318	42.853	0.6964
1776	47000.000	91095.426	-44095.426	93.820	1.0000
1777	260000.000	122163.751	137836.249	53.014	0.5359
1778	117000.000	108764.065	8235.935	7.039	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

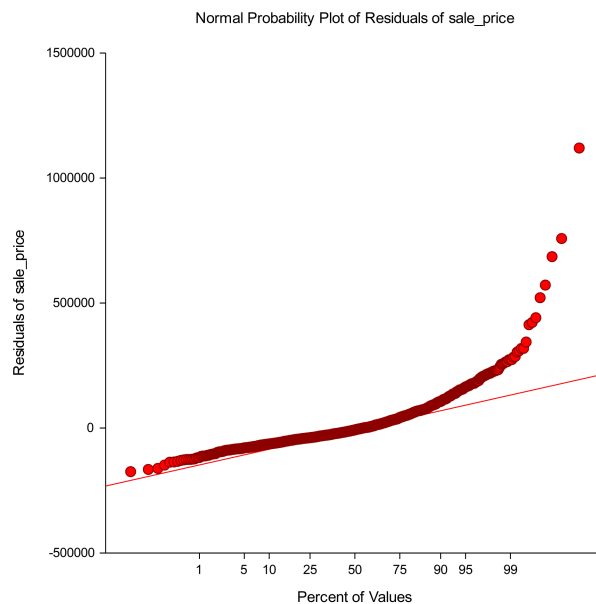
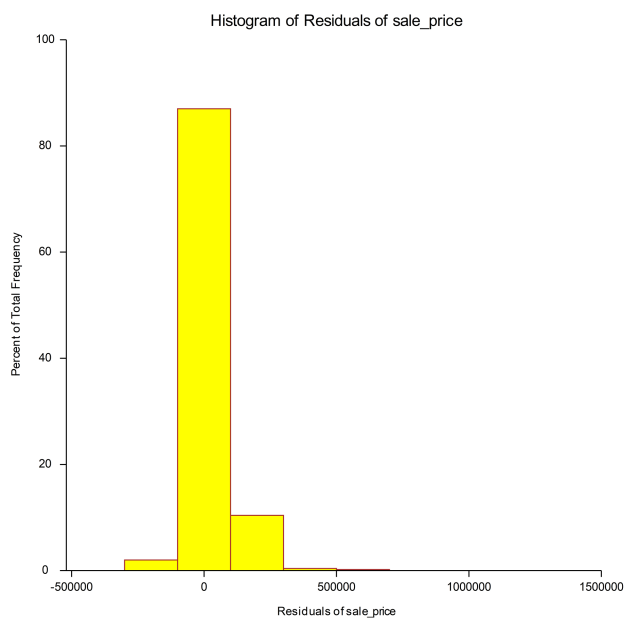
Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1779	55000.000	34037.332	20962.668	38.114	1.0000
1780	63000.000	47672.899	15327.101	24.329	1.0000
1781	55000.000	68873.061	-13873.061	25.224	1.0000
1782	195000.000	125177.245	69822.755	35.807	1.0000
1783	465000.000	192121.268	272878.732	58.684	0.2707
1784	140000.000	76888.332	63111.668	45.080	1.0000
1785	150000.000	94158.189	55841.811	37.228	1.0000
1786	240000.000	93538.278	146461.722	61.026	0.5043
1787	120000.000	78885.483	41114.517	34.262	1.0000
1788	175000.000	71168.559	103831.441	59.332	0.7114
1789	280000.000	114217.765	165782.235	59.208	0.4456
1790	49500.000	95457.623	-45957.623	92.844	1.0000
1791	89000.000	74236.275	14763.725	16.588	1.0000
1792	150000.000	56868.539	93131.461	62.088	0.7931
1793	170000.000	40144.271	129855.729	76.386	0.5688
1794	100000.000	112429.371	-12429.371	12.429	1.0000
1795	73500.000	60044.786	13455.214	18.306	1.0000
1796	150000.000	97276.434	52723.566	35.149	1.0000
1797	95000.000	122277.832	-27277.832	28.714	1.0000
1798	85000.000	76090.519	8909.481	10.482	1.0000
1799	80000.000	51408.841	28591.159	35.739	1.0000
1800	59000.000	76607.382	-17607.382	29.843	1.0000
1801	282500.000	78226.263	204273.737	72.309	0.3616
1802	50000.000	24769.656	25230.344	50.461	1.0000
1805	245000.000	117208.817	127791.183	52.160	0.5780
1806	175000.000	98879.985	76120.015	43.497	0.9704
1808	500000.000	86589.568	413410.432	82.682	0.1787
1809	320000.000	96568.984	223431.016	69.822	0.3306
1810	215000.000	108569.785	106430.215	49.502	0.6940
1812	122200.000	58330.655	63869.345	52.266	1.0000
1813	104000.000	110807.637	-6807.637	6.546	1.0000
1814	115000.000	95457.244	19542.756	16.994	1.0000
1815	84500.000	87752.292	-3252.292	3.849	1.0000

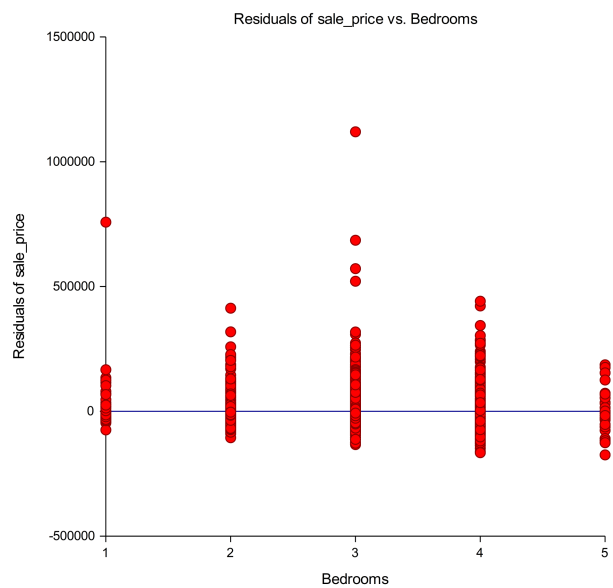
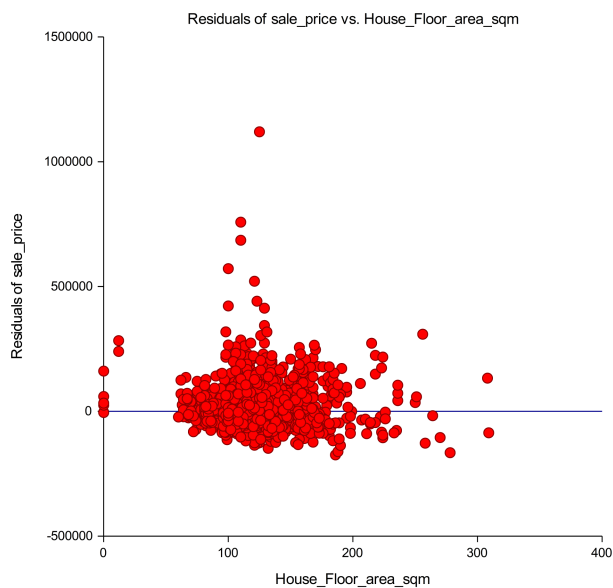
Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
Dependent sale_price

Distributional Plots of Residuals

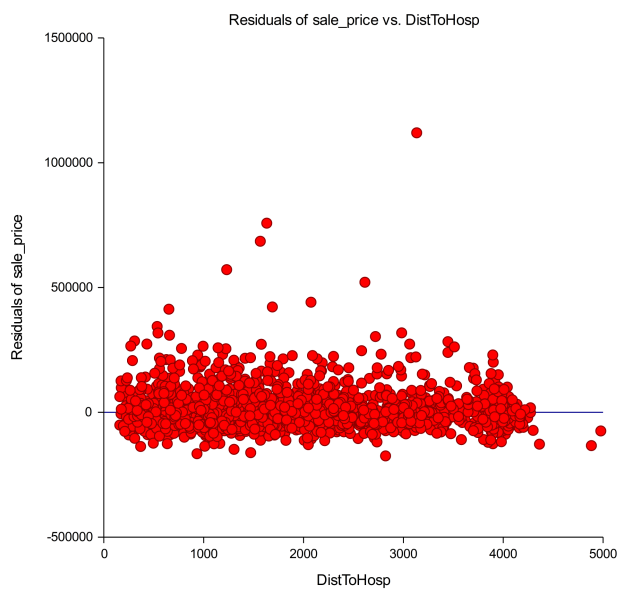
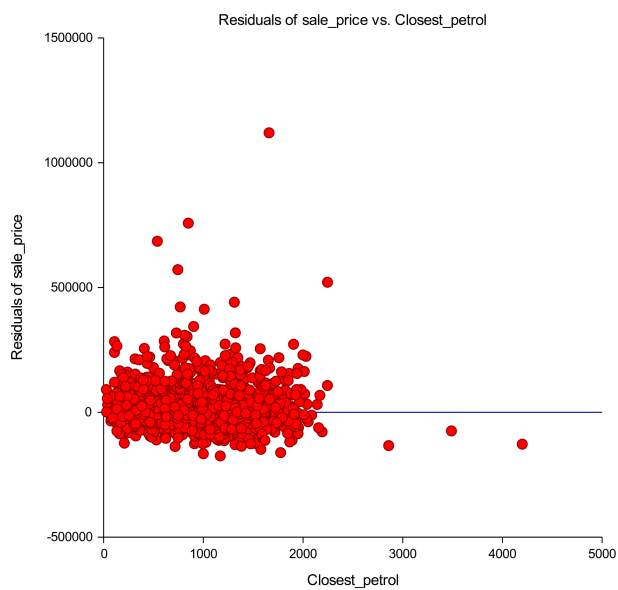
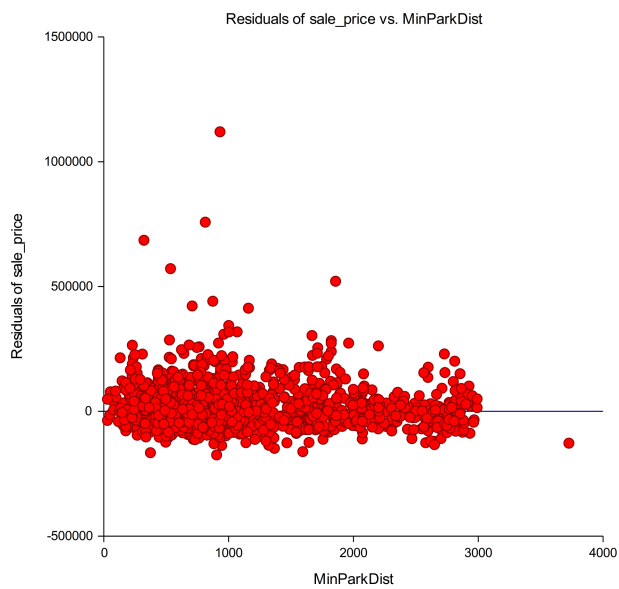
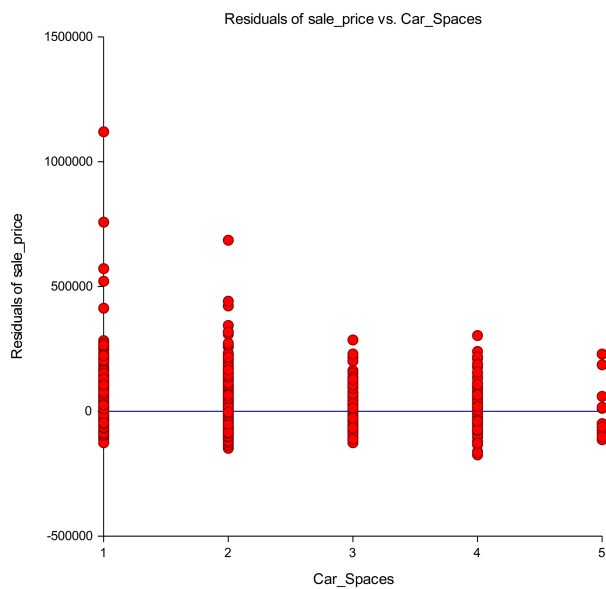


Residuals vs X Plots



Robust Multiple Regression Report

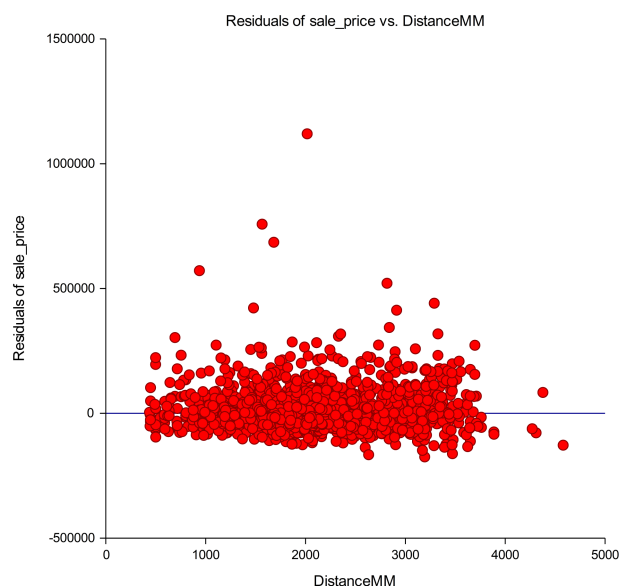
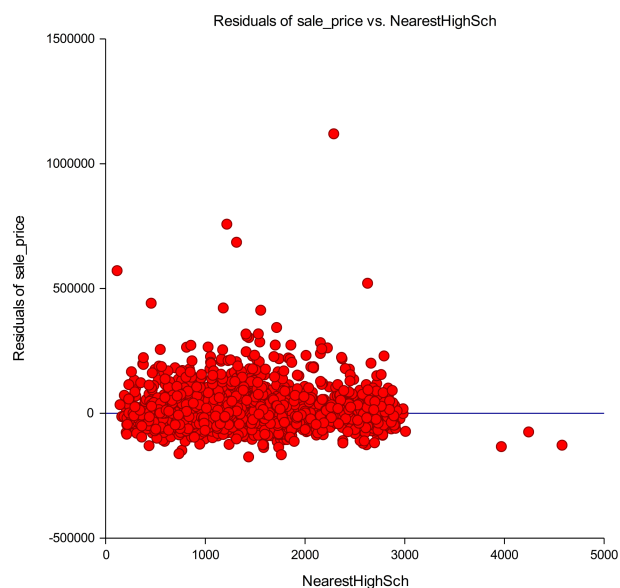
Dataset C:\Users\Dr_la\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
Dependent sale_price

Residuals vs X Plots (Continued)

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Residuals vs X Plots (Continued)



Procedure Input Settings

Autosaved Template File

C:\Users\Dr_Ia\Documents\NCSS 2022\Procedure Templates\Autosave\Robust Regression - Autosaved
 2023_4_11-13_20_51.t158

Variables, Model Tab

-- Variables -----
 Y: sale_price
 Numeric X's: House_Floor_area_sqm, Bedrooms, Car_Spaces,
 MinParkDist, Closest_petrol, DistToHosp,
 NearestHighSch, DistanceMM
 Categorical X's: <Empty>
 Weights: <Empty>

-- Regression Model -----
 Terms: 1-Way
 Remove Intercept: Unchecked

Robust Tab

-- Robust Regression Options -----
 .. Robust Method
 Robust Influence Function: Huber's Method
 Huber's Tuning Constant: 1.345
 .. Scale Factor
 MAD Scale Factor: 0.6745

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Procedure Input Settings (Continued)**Robust Tab (Continued)**

-- Stop Iterating When
 Maximum Percent Change in Beta Estimates is ≤: 0.001
 Number of Iterations is: 30

Reports Tab

-- Alphas and Confidence Levels -----
 Tests Alpha: 0.050
 Assumptions Alpha: 0.20
 Confidence Level: 95

-- Select Reports -----

-- Summaries -----

Run Summary	Checked
Descriptive Statistics	Checked
Correlations	Unchecked
Iterations - Coefficients	Checked
Iterations - Residuals	Checked

-- Regression Coefficients -----

Coef T-Tests Fixed Wts	Checked
Coef T-Tests Random Wts	Checked
Coef CI's Fixed Wts	Checked
Coef CI's Random Wts	Checked
Estimated Equation	Checked
Bootstrap CI's	Unchecked

-- ANOVA -----

ANOVA Summary	Checked
ANOVA Detail	Unchecked

-- Assumptions -----

PRESS Statistics	Checked
Normality Tests	Checked
Durbin-Watson	Checked

-- X Diagnostics -----

R ²	Checked
Variable Omission	Checked
Sum of Squares	Checked
Sequential Models	Checked
Multicollinearity	Checked

-- Eigenvalues -----

Eigenvalues - Centered	Unchecked
Eigenvectors - Centered	Unchecked
Eigenvalues - Uncentered	Unchecked
Eigenvectors - Uncentered	Unchecked

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Procedure Input Settings (Continued)**Reports Tab (Continued)**

-- Row-by-Row Lists -----
 Show: All Rows
 Predicted for Means Unchecked
 Predicted for Individuals Unchecked
 Residuals Unchecked
 Regression Diagnostics Unchecked
 DFBETAS Unchecked
 Robust Residuals Checked
 Weight Cutoff: 1

Report Options Tab

-- Labels -----
 Stagger label and output if label length is \geq 15

 -- Decimal Places -----
 Precision: Double
 Reg Coefficients: 5
 Std Error of b's: 6
 Test Statistics: 3
 Probabilities: 4
 Percentages: 3
 Means: 3
 Std Deviations: 3
 R², Correlations, Standardized Coef's: 4
 Mean Squares, Sum of Squares: 2
 Y's, Residuals, etc.: 3
 Std Error of Y: 3
 Eigenvalues: 4
 Eigenvectors: 4
 Diagonal of X'X Inverse: All

Plots Tab

-- Select Plots -----
 -- Distribution of Residuals -----
 Histogram Checked
 Probability Plot Checked

 -- Y vs X -----
 Y vs X Unchecked

 -- Residual Analysis Plots -----
 Serial Correlation Unchecked
 Resids vs Row Unchecked
 RStudent vs Hat Unchecked
 Resids vs Yhat Unchecked
 Resids vs X Checked
 RStudent vs X Unchecked
 Partial Resids vs X Unchecked

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Procedure Input Settings (Continued)**Plots Tab (Continued)**

-- Bootstrap Histograms

Coefficient C.I.'s Checked

Storage Tab

-- Select Items to Store with the Dataset

-- Row-by-Row Items

Predicted Y Unchecked

Residuals Unchecked

Standard Error of the Predicted Mean Unchecked

Lower Confidence Limit of the Predicted Mean Unchecked

Upper Confidence Limit of the Predicted Mean Unchecked

Standard Error of a Predicted Individual Unchecked

Lower Confidence Limit of a Predicted Individual Unchecked

Upper Confidence Limit of a Predicted Individual Unchecked

Rstudent Unchecked

Hat Diagonals Unchecked

CovRatio Unchecked

Dffits Unchecked

MSE(i) Unchecked

Cook's D Unchecked

Robust Weights Unchecked

DFBETAS Unchecked

-- Matrices

X'X Inverse Matrix Unchecked

VC(Betas) Matrix Unchecked

Expanded X Matrix Unchecked

-- Storage Options

Storage Location: In empty column(s) after the last column with data

Skip one or more columns before item storage Unchecked

Rename the storage column(s) using the item name(s) Checked

Add a Note about each stored item in the Column Info table Checked

Overlay storage data when the Group By System is active Unchecked