

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\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	117.7937	27.82235	0	309
Bedrooms	1631	2.87961	0.724589	1	5
Car_Spaces	1631	1.632979	0.8610698	1	5
Closest_petrol	1631	910.8991	440.1303	26.82142	4198.331
DistanceMM	1631	2074.8	696.1531	436.3154	4579.691
MinParkDist	1631	1053.337	680.7549	28.60286	3725.59
DistToHosp	1631	1927.646	1075.289	158.9931	4976.466
NearestHighSch	1631	1444.132	645.7634	113.7935	4577.411
sale_price	1631	89830.2	65166.98	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		-31344.37	348.341	18204.35	14791.08
1	33.264	-41080.59	332.4124	18100.29	15074.52
2	7.674	-37928.19	307.3358	17804.23	14482.31
3	4.397	-36260.55	296.5562	17739.35	14191.81
4	1.520	-35709.44	292.4045	17733.38	14093.46
5	0.619	-35488.46	290.8255	17731.22	14057.36
6	0.215	-35412.01	290.2462	17731.01	14045.04
7	0.089	-35380.43	290.0447	17730.54	14040.28
8	0.031	-35369.46	289.9807	17730.35	14038.6
9	0.010	-35366.04	289.9616	17730.29	14038.05
10	0.003	-35365.04	289.9561	17730.27	14037.88
11	0.001	-35364.77	289.9546	17730.27	14037.83

Robust Iterations - Residuals

Robust Iteration	Max Percent Change in Coefficients	Percentiles of Absolute Residuals			
		25th	50th	75th	100th
0		22273.32	44721.84	72893.57	1106187
1	33.264	19710.12	40547.28	68698.24	1118019
2	7.674	19698.64	39621.65	68858.12	1119747
3	4.397	19578.47	39495.13	69202.96	1120056
4	1.520	19517.76	39381.47	69373.96	1120165
5	0.619	19508.17	39341.04	69426.97	1120194
6	0.215	19477.41	39344.35	69444.55	1120205
7	0.089	19466.38	39346.9	69449.27	1120207
8	0.031	19463	39346.88	69450.34	1120207
9	0.010	19461.97	39346.68	69450.54	1120207
10	0.003	19461.69	39346.58	69450.57	1120207
11	0.001	19461.69	39346.55	69450.58	1120207

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Regression Coefficients T-Tests Assuming Fixed Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standardized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?
Intercept	-35364.77	8942.485	0.0000	-3.955	0.0001	Yes
House_Floor_area_sqm	289.9546	54.63428	0.1238	5.307	0.0000	Yes
Bedrooms	17730.27	2127.048	0.1971	8.336	0.0000	Yes
Car_Spaces	14037.83	1746.118	0.1855	8.039	0.0000	Yes
Closest_petrol	19.05224	3.984406	0.1287	4.782	0.0000	Yes
DistanceMM	7.073522	2.45738	0.0756	2.878	0.0040	Yes
MinParkDist	13.32113	3.123315	0.1392	4.265	0.0000	Yes
DistToHosp	-7.748525	2.197133	-0.1279	-3.527	0.0004	Yes
NearestHighSch	-9.739847	3.379514	-0.0965	-2.882	0.0040	Yes

Regression Coefficients T-Tests Assuming Random Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standardized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?
Intercept	-35364.77	9071.467	0.0000	-3.898	0.0001	Yes
House_Floor_area_sqm	289.9546	53.60516	0.1238	5.409	0.0000	Yes
Bedrooms	17730.27	2160.543	0.1971	8.206	0.0000	Yes
Car_Spaces	14037.83	1756.942	0.1855	7.990	0.0000	Yes
Closest_petrol	19.05224	4.061168	0.1287	4.691	0.0000	Yes
DistanceMM	7.073522	2.504272	0.0756	2.825	0.0048	Yes
MinParkDist	13.32113	3.198433	0.1392	4.165	0.0000	Yes
DistToHosp	-7.748525	2.234434	-0.1279	-3.468	0.0005	Yes
NearestHighSch	-9.739847	3.409022	-0.0965	-2.857	0.0043	Yes

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	-35364.77	8942.485	-52891.71	-17837.81
House_Floor_area_sqm	289.9546	54.63428	182.8734	397.0358
Bedrooms	17730.27	2127.048	13561.33	21899.2
Car_Spaces	14037.83	1746.118	10615.5	17460.16
Closest_petrol	19.05224	3.984406	11.24294	26.86153
DistanceMM	7.073522	2.45738	2.257146	11.8899
MinParkDist	13.32113	3.123315	7.199546	19.44271
DistToHosp	-7.748525	2.197133	-12.05483	-3.442224
NearestHighSch	-9.739847	3.379514	-16.36357	-3.116121

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

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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	-35364.77	9071.467	-53144.51	-17585.02
House_Floor_area_sqm	289.9546	53.60516	184.8904	395.0188
Bedrooms	17730.27	2160.543	13495.68	21964.85
Car_Spaces	14037.83	1756.942	10594.28	17481.37
Closest_petrol	19.05224	4.061168	11.09249	27.01198
DistanceMM	7.073522	2.504272	2.165238	11.9818
MinParkDist	13.32113	3.198433	7.052316	19.58994
DistToHosp	-7.748525	2.234434	-12.12794	-3.369114
NearestHighSch	-9.739847	3.409022	-16.42141	-3.058287

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

Estimated Equation

sale_price =
 -35364.7637412488 + 289.954595774478 * House_Floor_area_sqm + 17730.2654147294 * Bedrooms +
 14037.8271946893 * Car_Spaces + 19.0522373676229 * Closest_petrol + 7.07352138113847 * DistanceMM +
 13.321130266632 * MinParkDist - 7.74852480774374 * DistToHosp - 9.73984698015452 * NearestHighSch

Robust Residuals and Weights

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1	17000	40567.8	-23567.8	138.634	1.0000
2	130000	87019.42	42980.58	33.062	1.0000
3	155000	123425.9	31574.06	20.370	1.0000
4	72500	101595.4	-29095.4	40.132	1.0000
5	135000	146051.8	-11051.83	8.187	1.0000
6	18000	55366.29	-37366.29	207.590	1.0000
7	22000	87792.59	-65792.59	299.057	1.0000
8	17000	78838.72	-61838.72	363.757	1.0000
9	55000	34757.18	20242.82	36.805	1.0000
10	19500	39488.34	-19988.34	102.504	1.0000
11	35000	105361.8	-70361.8	201.034	1.0000
12	30000	61166.68	-31166.68	103.889	1.0000
13	92000	60965.08	31034.92	33.734	1.0000
14	45000	84684.54	-39684.54	88.188	1.0000
15	50000	92642.52	-42642.52	85.285	1.0000
16	11750	39488.79	-27738.79	236.075	1.0000
17	22000	73745.73	-51745.73	235.208	1.0000
18	55000	71372.92	-16372.92	29.769	1.0000
19	40000	104636.2	-64636.21	161.591	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
21	45000	83022.12	-38022.12	84.494	1.0000
22	10000	184447.4	-174447.4	1744.474	0.4234
23	40000	107926.2	-67926.21	169.816	1.0000
25	44000	57775.88	-13775.88	31.309	1.0000
26	10000	53694.17	-43694.17	436.942	1.0000
27	32300	63484.08	-31184.08	96.545	1.0000
28	39000	70805.03	-31805.03	81.551	1.0000
29	41500	70586.06	-29086.06	70.087	1.0000
30	100000	67936.45	32063.54	32.064	1.0000
31	40000	67132.05	-27132.05	67.830	1.0000
32	18000	43766.19	-25766.19	143.145	1.0000
33	25000	61557.42	-36557.42	146.230	1.0000
34	73000	61852.86	11147.15	15.270	1.0000
35	90000	60141.37	29858.63	33.176	1.0000
36	60000	72843.57	-12843.57	21.406	1.0000
37	10000	74200.88	-64200.88	642.009	1.0000
38	39000	87654.9	-48654.89	124.756	1.0000
39	36000	88771.41	-52771.41	146.587	1.0000
40	38000	97628.75	-59628.75	156.918	1.0000
41	14000	42829.17	-28829.17	205.923	1.0000
45	76000	111743.6	-35743.56	47.031	1.0000
46	23000	70003.76	-47003.76	204.364	1.0000
47	30000	107925.4	-77925.38	259.751	0.9479
48	63000	133310.8	-70310.85	111.605	1.0000
49	49000	76044.84	-27044.83	55.194	1.0000
50	16500	89782.07	-73282.07	444.134	1.0000
51	25000	54117.98	-29117.98	116.472	1.0000
52	12000	63291.4	-51291.4	427.428	1.0000
53	7000	155023.5	-148023.5	2114.622	0.4990
54	8500	25289.15	-16789.15	197.519	1.0000
55	30500	118153	-87652.99	287.387	0.8427
56	42000	87785.52	-45785.52	109.013	1.0000
57	19500	102910.8	-83410.76	427.747	0.8856
58	8500	40513.17	-32013.17	376.626	1.0000
59	12000	94532.8	-82532.8	687.773	0.8950
60	28000	95881.4	-67881.4	242.434	1.0000
61	24000	97424.52	-73424.52	305.936	1.0000
62	20000	65595.81	-45595.81	227.979	1.0000
63	35000	109707.1	-74707.07	213.449	0.9888
64	12000	48070.95	-36070.95	300.591	1.0000
65	57000	105913.6	-48913.61	85.813	1.0000
66	17000	110372.2	-93372.16	549.248	0.7911
67	50000	107762	-57762.05	115.524	1.0000
68	44000	108429.6	-64429.6	146.431	1.0000
69	34000	126603.6	-92603.59	272.364	0.7977
71	30000	89777.15	-59777.15	199.257	1.0000
72	17500	55424.28	-37924.28	216.710	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
73	6000	117821.8	-111821.8	1863.697	0.6606
74	23000	129819.3	-106819.3	464.432	0.6915
75	26000	119528.8	-93528.75	359.726	0.7898
76	54350	103495.8	-49145.78	90.425	1.0000
77	74000	83321.62	-9321.619	12.597	1.0000
78	112000	115009.5	-3009.542	2.687	1.0000
79	27500	90737.71	-63237.71	229.955	1.0000
80	49000	92582.96	-43582.96	88.945	1.0000
81	40000	59822.62	-19822.62	49.557	1.0000
82	83000	104577.3	-21577.33	25.997	1.0000
83	35000	86723.9	-51723.9	147.783	1.0000
84	124000	120772.5	3227.52	2.603	1.0000
85	14000	54910.93	-40910.93	292.221	1.0000
86	15000	86464.48	-71464.48	476.430	1.0000
87	15000	39991.48	-24991.48	166.610	1.0000
88	52000	93849.22	-41849.22	80.479	1.0000
89	23000	64477.1	-41477.1	180.335	1.0000
90	7000	29638.36	-22638.36	323.405	1.0000
91	32000	53264.1	-21264.1	66.450	1.0000
92	14500	55310.63	-40810.63	281.453	1.0000
93	7000	57658.52	-50658.52	723.693	1.0000
94	37000	75658.92	-38658.92	104.484	1.0000
95	23000	57116.76	-34116.76	148.334	1.0000
96	22000	74576.21	-52576.21	238.983	1.0000
97	28000	74576.21	-46576.21	166.344	1.0000
98	62500	70087.57	-7587.572	12.140	1.0000
99	18000	74129.12	-56129.12	311.828	1.0000
100	22500	66338.55	-43838.55	194.838	1.0000
101	7000	31108.87	-24108.87	344.412	1.0000
102	9000	70968.9	-61968.89	688.543	1.0000
103	24000	47000.65	-23000.65	95.836	1.0000
106	10000	35323.22	-25323.22	253.232	1.0000
107	59700	71650.79	-11950.79	20.018	1.0000
108	43000	72449.54	-29449.54	68.487	1.0000
109	115000	137154.2	-22154.2	19.265	1.0000
110	18000	50741.63	-32741.63	181.898	1.0000
111	60000	69861.28	-9861.281	16.435	1.0000
113	180000	111626.8	68373.23	37.985	1.0000
114	180000	256393.4	-76393.38	42.441	0.9669
115	80000	141387.5	-61387.55	76.734	1.0000
116	58000	92151.45	-34151.45	58.882	1.0000
117	85000	122213	-37213.02	43.780	1.0000
118	75000	107248.5	-32248.53	42.998	1.0000
119	87000	120740.8	-33740.77	38.782	1.0000
120	46000	207258.8	-161258.8	350.563	0.4581
121	45000	112639	-67639.05	150.309	1.0000
122	25000	82107.22	-57107.21	228.429	1.0000

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Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
123	26000	82107.22	-56107.21	215.797	1.0000
124	54000	95187.98	-41187.99	76.274	1.0000
125	11000	100414.9	-89414.86	812.862	0.8261
126	54500	143276.9	-88776.95	162.893	0.8320
127	145000	172382.5	-27382.47	18.884	1.0000
128	95000	172721.3	-77721.35	81.812	0.9504
129	140000	175952.2	-35952.18	25.680	1.0000
130	130000	111012.7	18987.28	14.606	1.0000
131	112000	151925.4	-39925.43	35.648	1.0000
133	30000	67598.77	-37598.76	125.329	1.0000
134	35000	101457.8	-66457.83	189.880	1.0000
135	50000	119684.5	-69684.55	139.369	1.0000
136	87000	70611.66	16388.35	18.837	1.0000
137	16000	141599.4	-125599.4	784.996	0.5881
138	32000	109653.7	-77653.73	242.668	0.9512
139	24000	143828.9	-119828.9	499.287	0.6164
140	32000	140807.5	-108807.5	340.023	0.6789
142	10000	48792.06	-38792.06	387.921	1.0000
143	40000	60450.7	-20450.7	51.127	1.0000
144	83500	68145	15355	18.389	1.0000
145	47000	91408.29	-44408.29	94.486	1.0000
146	20000	93107.06	-73107.06	365.535	1.0000
147	30000	111968.2	-81968.2	273.227	0.9012
148	11500	114087.8	-102587.8	892.068	0.7200
149	25000	65294.45	-40294.45	161.178	1.0000
151	40000	97872.38	-57872.37	144.681	1.0000
152	31500	50191.91	-18691.91	59.339	1.0000
153	5000	29237.48	-24237.48	484.750	1.0000
154	66000	70113.24	-4113.242	6.232	1.0000
155	30000	74415.81	-44415.81	148.053	1.0000
157	97000	100445.4	-3445.38	3.552	1.0000
158	20000	97840.28	-77840.28	389.201	0.9490
160	30000	62018.59	-32018.59	106.729	1.0000
161	50000	49494.45	505.5469	1.011	1.0000
163	95000	110461.9	-15461.86	16.276	1.0000
164	44000	51280.44	-7280.44	16.546	1.0000
165	34000	37428.24	-3428.24	10.083	1.0000
166	87000	117354	-30354.02	34.890	1.0000
167	50000	86022.94	-36022.94	72.046	1.0000
168	12000	90803.45	-78803.45	656.695	0.9374
170	26500	49594.52	-23094.52	87.149	1.0000
171	67000	98073.39	-31073.39	46.378	1.0000
172	28000	55694.23	-27694.23	98.908	1.0000
173	20000	23837.24	-3837.242	19.186	1.0000
174	13000	60380.08	-47380.08	364.462	1.0000
175	13000	25181.16	-12181.16	93.701	1.0000
176	25000	62901.48	-37901.48	151.606	1.0000

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Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
177	14000	97207.2	-83207.2	594.337	0.8877
178	10000	68808.66	-58808.66	588.087	1.0000
179	10000	82926.56	-72926.56	729.266	1.0000
180	17000	77087.94	-60087.94	353.458	1.0000
181	95000	123956.3	-28956.3	30.480	1.0000
182	79400	93439.22	-14039.22	17.682	1.0000
184	62000	46389.95	15610.05	25.177	1.0000
185	63000	87557.41	-24557.41	38.980	1.0000
186	50000	73184.02	-23184.02	46.368	1.0000
187	70000	132389.6	-62389.62	89.128	1.0000
188	139000	93829.17	45170.83	32.497	1.0000
189	24000	79007.48	-55007.48	229.198	1.0000
190	39500	118062.2	-78562.16	198.892	0.9402
191	52000	112256	-60256.01	115.877	1.0000
192	25000	134169.4	-109169.4	436.678	0.6766
193	4000	80391.48	-76391.48	1909.787	0.9670
195	55000	52479.88	2520.117	4.582	1.0000
196	95000	106716.3	-11716.27	12.333	1.0000
198	8000	80251.54	-72251.54	903.144	1.0000
199	35000	63439.36	-28439.36	81.255	1.0000
200	33000	77414.81	-44414.81	134.590	1.0000
201	14500	95461.7	-80961.7	558.357	0.9124
202	18000	93629.43	-75629.43	420.164	0.9767
203	30000	94231.62	-64231.62	214.105	1.0000
204	30000	90097.59	-60097.59	200.325	1.0000
205	29000	55975.21	-26975.21	93.018	1.0000
206	10000	57506.6	-47506.6	475.066	1.0000
207	25000	103052.8	-78052.81	312.211	0.9464
208	16000	67700.02	-51700.02	323.125	1.0000
210	55000	94370.94	-39370.94	71.584	1.0000
211	37000	100435.5	-63435.48	171.447	1.0000
212	65000	79626.8	-14626.8	22.503	1.0000
214	23000	86646.25	-63646.25	276.723	1.0000
215	10000	83648.74	-73648.74	736.487	1.0000
216	9200	50440.5	-41240.5	448.266	1.0000
217	18000	96712.88	-78712.88	437.294	0.9384
218	48000	103095.7	-55095.67	114.783	1.0000
219	45000	156720.2	-111720.2	248.267	0.6612
220	105000	165671.2	-60671.2	57.782	1.0000
221	55000	100528.1	-45528.13	82.778	1.0000
222	38000	103325.6	-65325.55	171.909	1.0000
227	54000	110154.9	-56154.94	103.991	1.0000
228	35000	49217.68	-14217.68	40.622	1.0000
229	95000	109643.5	-14643.54	15.414	1.0000
230	29000	42207.86	-13207.86	45.544	1.0000
231	22000	84935	-62935	286.068	1.0000
232	87000	81633.16	5366.843	6.169	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
233	11000	78723.34	-67723.34	615.667	1.0000
234	34000	65588.06	-31588.06	92.906	1.0000
236	100000	83270.68	16729.32	16.729	1.0000
237	35000	95815.27	-60815.27	173.758	1.0000
238	25000	88317.95	-63317.95	253.272	1.0000
239	30000	111152.2	-81152.2	270.507	0.9102
240	65000	93333.66	-28333.67	43.590	1.0000
241	145000	137174.9	7825.076	5.397	1.0000
242	28000	118807	-90806.98	324.311	0.8135
243	40000	115007.5	-75007.52	187.519	0.9848
244	55000	102093.9	-47093.95	85.625	1.0000
245	75000	94461.69	-19461.69	25.949	1.0000
246	52000	82556.36	-30556.36	58.762	1.0000
247	102500	104036.1	-1536.137	1.499	1.0000
248	8455	145013.4	-136558.4	1615.120	0.5409
249	40000	98006.5	-58006.5	145.016	1.0000
250	11000	41251.28	-30251.28	275.012	1.0000
251	19000	45839.11	-26839.11	141.258	1.0000
252	20000	74666.08	-54666.07	273.330	1.0000
253	18000	74651.06	-56651.06	314.728	1.0000
254	21000	66371.38	-45371.38	216.054	1.0000
255	17000	49832.87	-32832.87	193.135	1.0000
256	25000	77000.97	-52000.97	208.004	1.0000
257	10000	46946.36	-36946.36	369.464	1.0000
258	19000	84186.28	-65186.28	343.086	1.0000
259	35000	66829.23	-31829.23	90.941	1.0000
260	21775	92275.2	-70500.2	323.767	1.0000
261	10000	61919.05	-51919.05	519.191	1.0000
262	78000	58828.35	19171.65	24.579	1.0000
263	14000	43990.96	-29990.96	214.221	1.0000
264	38000	87200.53	-49200.53	129.475	1.0000
266	40000	82298.75	-42298.75	105.747	1.0000
267	22000	82595.37	-60595.36	275.433	1.0000
268	49000	88018.79	-39018.79	79.630	1.0000
269	125000	121869.4	3130.601	2.504	1.0000
270	49000	138447.1	-89447.13	182.545	0.8258
271	75000	95095.7	-20095.71	26.794	1.0000
272	55000	96919.18	-41919.18	76.217	1.0000
273	27500	80566.73	-53066.73	192.970	1.0000
274	47000	72477.63	-25477.63	54.208	1.0000
275	39500	120016.6	-80516.65	203.840	0.9174
276	43000	57460.45	-14460.45	33.629	1.0000
278	35000	62723.42	-27723.42	79.210	1.0000
279	15000	72135	-57135	380.900	1.0000
280	25000	68980.9	-43980.9	175.924	1.0000
281	35000	78264.72	-43264.72	123.613	1.0000
282	36000	118601.8	-82601.84	229.450	0.8943

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
283	17000	72630.09	-55630.09	327.236	1.0000
284	25000	107993.9	-82993.92	331.976	0.8900
285	15000	128312	-113312	755.413	0.6519
286	20000	74478.06	-54478.06	272.390	1.0000
287	26000	61576.84	-35576.84	136.834	1.0000
288	32000	50731.87	-18731.87	58.537	1.0000
289	14000	18594.14	-4594.143	32.815	1.0000
290	42000	73100.92	-31100.93	74.050	1.0000
291	53000	130902.1	-77902.14	146.985	0.9482
292	63000	128568.5	-65568.52	104.077	1.0000
293	30000	65763.45	-35763.45	119.211	1.0000
294	44000	71538.85	-27538.85	62.588	1.0000
295	10000	79878.22	-69878.22	698.782	1.0000
296	115000	85684.25	29315.75	25.492	1.0000
297	39000	62220.41	-23220.4	59.539	1.0000
298	60000	57518.09	2481.909	4.137	1.0000
300	15000	37377.86	-22377.86	149.186	1.0000
301	28000	82868.8	-54868.8	195.960	1.0000
302	24000	81524.88	-57524.88	239.687	1.0000
303	21000	104680.8	-83680.84	398.480	0.8827
305	24000	48544.14	-24544.14	102.267	1.0000
306	20000	123364.7	-103364.7	516.824	0.7146
307	44000	80682.71	-36682.71	83.370	1.0000
309	60000	55649.06	4350.938	7.252	1.0000
310	129000	106672.9	22327.08	17.308	1.0000
311	32000	137753.8	-105753.8	330.481	0.6985
312	19000	35295.7	-16295.7	85.767	1.0000
313	21500	57690.61	-36190.61	168.328	1.0000
315	127500	87673.65	39826.35	31.236	1.0000
316	18000	50066.73	-32066.73	178.149	1.0000
317	7000	60215.7	-53215.7	760.224	1.0000
318	66000	109232.9	-43232.94	65.504	1.0000
319	43000	41655.88	1344.124	3.126	1.0000
320	7500	59386.14	-51886.14	691.815	1.0000
323	85000	89502.14	-4502.141	5.297	1.0000
324	19000	68447.8	-49447.8	260.252	1.0000
325	25000	91435.61	-66435.61	265.742	1.0000
326	160000	106109.1	53890.89	33.682	1.0000
327	70000	105831.9	-35831.94	51.188	1.0000
328	48000	134047.1	-86047.1	179.265	0.8584
329	6750	47216.71	-40466.71	599.507	1.0000
330	86000	83807.78	2192.219	2.549	1.0000
331	47000	84071.23	-37071.23	78.875	1.0000
332	32000	73402.58	-41402.58	129.383	1.0000
333	54500	123641.7	-69141.73	126.866	1.0000
334	25000	65158.25	-40158.25	160.633	1.0000
335	20000	68817.36	-48817.36	244.087	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
336	59000	71209.41	-12209.4	20.694	1.0000
337	9000	57793.99	-48793.99	542.155	1.0000
338	23000	113437.8	-90437.77	393.208	0.8168
339	52000	104314.6	-52314.65	100.605	1.0000
341	20000	114328.4	-94328.43	471.642	0.7831
342	42000	124292.2	-82292.23	195.934	0.8976
343	10000	86883.24	-76883.24	768.832	0.9608
344	26000	70066.75	-44066.75	169.488	1.0000
346	15000	79841.95	-64841.95	432.280	1.0000
347	18000	99866.73	-81866.73	454.815	0.9023
348	42000	91831.4	-49831.4	118.646	1.0000
349	87000	100339.3	-13339.25	15.332	1.0000
350	160000	140994.3	19005.69	11.879	1.0000
351	55000	152473.4	-97473.41	177.224	0.7578
352	125000	173102.2	-48102.23	38.482	1.0000
353	114000	116459.8	-2459.774	2.158	1.0000
354	250000	182724.3	67275.73	26.910	1.0000
355	28000	111474.1	-83474.14	298.122	0.8849
356	67000	69163.91	-2163.91	3.230	1.0000
357	10000	139290.7	-129290.7	1292.907	0.5713
358	110000	140576.3	-30576.26	27.797	1.0000
359	30000	65200.48	-35200.48	117.335	1.0000
360	10000	114761.7	-104761.7	1047.617	0.7051
361	22000	106731.5	-84731.5	385.143	0.8718
362	21000	36134.5	-15134.5	72.069	1.0000
363	77000	74539.88	2460.122	3.195	1.0000
364	35000	50553.36	-15553.36	44.438	1.0000
365	50000	69235.44	-19235.44	38.471	1.0000
366	35000	43896.35	-8896.354	25.418	1.0000
367	33000	118851.9	-85851.92	260.157	0.8604
368	105000	97834.98	7165.02	6.824	1.0000
369	84000	115565.2	-31565.25	37.578	1.0000
370	165500	59057.82	106442.2	64.316	0.6940
371	33000	71144.7	-38144.7	115.590	1.0000
372	50000	36639.62	13360.38	26.721	1.0000
373	93000	90174.18	2825.821	3.039	1.0000
374	33000	81600.94	-48600.94	147.276	1.0000
375	72000	78951.03	-6951.032	9.654	1.0000
377	35000	80998.01	-45998	131.423	1.0000
378	44500	77882.45	-33382.45	75.017	1.0000
379	50000	92355.29	-42355.29	84.711	1.0000
380	14000	45405.27	-31405.27	224.323	1.0000
381	45000	102328	-57328	127.396	1.0000
382	25000	69557.5	-44557.5	178.230	1.0000
383	77000	93597.91	-16597.92	21.556	1.0000
384	71000	79360.04	-8360.04	11.775	1.0000
386	180000	109187.5	70812.53	39.340	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
387	66500	140350	-73850.03	111.053	1.0000
388	250000	180812.5	69187.45	27.675	1.0000
389	33000	157405.3	-124405.3	376.986	0.5938
390	135000	119880.6	15119.42	11.200	1.0000
392	25000	83828.01	-58828.01	235.312	1.0000
393	85000	100573.3	-15573.3	18.322	1.0000
394	45000	129231.7	-84231.7	187.182	0.8769
396	30000	64452.6	-34452.6	114.842	1.0000
397	17500	75198.34	-57698.34	329.705	1.0000
398	10000	55823.77	-45823.77	458.238	1.0000
399	68000	60930.11	7069.89	10.397	1.0000
400	74000	83297.31	-9297.31	12.564	1.0000
402	20000	73201.4	-53201.4	266.007	1.0000
404	180000	45439.12	134560.9	74.756	0.5489
405	110000	64165.8	45834.2	41.667	1.0000
406	82000	75102.5	6897.497	8.412	1.0000
407	100000	51419.29	48580.71	48.581	1.0000
408	142000	55007.98	86992.02	61.262	0.8491
409	46000	50963.13	-4963.129	10.789	1.0000
410	83000	52242.58	30757.42	37.057	1.0000
411	11300	38851.71	-27551.71	243.820	1.0000
412	56000	52770.15	3229.851	5.768	1.0000
414	62000	83870.34	-21870.33	35.275	1.0000
415	100000	128103	-28103.04	28.103	1.0000
416	89000	119382.4	-30382.38	34.138	1.0000
417	43500	45513.44	-2013.44	4.629	1.0000
418	121000	127149.7	-6149.666	5.082	1.0000
419	170000	97093.69	72906.31	42.886	1.0000
421	150000	85421.13	64578.86	43.053	1.0000
422	32000	71222.95	-39222.95	122.572	1.0000
423	98000	117461.6	-19461.56	19.859	1.0000
424	66000	52289.67	13710.33	20.773	1.0000
425	90000	56329.14	33670.86	37.412	1.0000
426	62000	56102.78	5897.218	9.512	1.0000
427	50000	73102.43	-23102.43	46.205	1.0000
428	12662	64927.68	-52265.68	412.776	1.0000
429	66000	74746.38	-8746.377	13.252	1.0000
430	98000	66195.02	31804.99	32.454	1.0000
431	145000	96915.74	48084.26	33.162	1.0000
434	30000	43601.48	-13601.48	45.338	1.0000
435	130000	59813.72	70186.27	53.989	1.0000
436	150000	73377.19	76622.81	51.082	0.9640
437	65000	127268.3	-62268.33	95.797	1.0000
439	65000	98011.42	-33011.42	50.787	1.0000
440	24000	84238.91	-60238.91	250.995	1.0000
441	56000	48113.93	7886.068	14.082	1.0000
442	65000	37635.95	27364.05	42.099	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
444	57000	24627.48	32372.52	56.794	1.0000
445	58000	72514.17	-14514.17	25.024	1.0000
446	76000	44036.67	31963.33	42.057	1.0000
447	110000	86578.08	23421.92	21.293	1.0000
448	49000	70665.88	-21665.88	44.216	1.0000
449	67500	56260.57	11239.43	16.651	1.0000
450	145000	112095.9	32904.1	22.692	1.0000
451	90000	59574.62	30425.38	33.806	1.0000
452	109500	140675.1	-31175.1	28.470	1.0000
453	160000	39357.01	120643	75.402	0.6123
454	78000	104822.1	-26822.08	34.387	1.0000
455	65000	43854.21	21145.79	32.532	1.0000
456	30000	70679.77	-40679.77	135.599	1.0000
457	92000	114886.7	-22886.66	24.877	1.0000
458	170000	128185.6	41814.38	24.597	1.0000
459	145000	89133.26	55866.74	38.529	1.0000
460	73000	58354.69	14645.31	20.062	1.0000
462	80000	99720.45	-19720.46	24.651	1.0000
463	35000	76150.84	-41150.84	117.574	1.0000
464	132000	65867.89	66132.11	50.100	1.0000
465	120000	70610.59	49389.42	41.158	1.0000
466	22000	55924.14	-33924.14	154.201	1.0000
467	60000	80586.77	-20586.76	34.311	1.0000
468	52500	69924.63	-17424.63	33.190	1.0000
469	154000	124445	29555.02	19.192	1.0000
470	118000	110455.7	7544.296	6.393	1.0000
471	80500	97628.75	-17128.75	21.278	1.0000
472	90000	150037.9	-60037.93	66.709	1.0000
473	190000	146845.7	43154.34	22.713	1.0000
474	60000	94373.54	-34373.54	57.289	1.0000
475	67000	108942.5	-41942.48	62.601	1.0000
476	58000	132667.9	-74667.9	128.738	0.9893
477	85000	79832.83	5167.17	6.079	1.0000
478	110000	92051.48	17948.52	16.317	1.0000
479	116000	94669.13	21330.88	18.389	1.0000
480	223000	126594.4	96405.62	43.231	0.7662
481	130000	105085.2	24914.84	19.165	1.0000
482	375000	188398.6	186601.4	49.760	0.3959
483	61360	148332.4	-86972.41	141.741	0.8493
484	6325	141882.4	-135557.4	2143.200	0.5449
485	56500	141882.4	-85382.43	151.119	0.8651
486	7000	132834.7	-125834.7	1797.639	0.5870
487	90000	63442.12	26557.88	29.509	1.0000
489	128000	82639.64	45360.36	35.438	1.0000
490	25000	51750.3	-26750.3	107.001	1.0000
491	127000	119052.5	7947.534	6.258	1.0000
492	22500	87798.2	-65298.2	290.214	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
493	125000	65848.03	59151.97	47.322	1.0000
494	195000	155023.5	39976.46	20.501	1.0000
495	272000	154179.1	117820.9	43.317	0.6269
496	11138	41724.48	-30586.48	274.614	1.0000
497	40000	99857.77	-59857.77	149.644	1.0000
498	51500	87785.52	-36285.52	70.457	1.0000
499	52000	81517.48	-29517.48	56.764	1.0000
500	98000	84101.79	13898.21	14.182	1.0000
501	40000	84855.52	-44855.52	112.139	1.0000
502	70000	113043.3	-43043.3	61.490	1.0000
503	98000	114017.6	-16017.62	16.345	1.0000
504	85000	119032.8	-34032.81	40.039	1.0000
505	107500	76988.99	30511.01	28.382	1.0000
506	50000	65595.81	-15595.81	31.192	1.0000
507	60000	110186.3	-50186.25	83.644	1.0000
508	78000	79773.13	-1773.133	2.273	1.0000
509	97500	156665.6	-59165.59	60.683	1.0000
510	85000	85186.98	-186.986	0.220	1.0000
511	88000	112946.8	-24946.84	28.349	1.0000
512	61000	113618.5	-52618.48	86.260	1.0000
513	52000	86579.15	-34579.15	66.498	1.0000
514	65000	104782.6	-39782.63	61.204	1.0000
515	56000	86269.65	-30269.65	54.053	1.0000
516	47000	90627.41	-43627.41	92.824	1.0000
517	30500	86606.74	-56106.74	183.957	1.0000
519	79900	100628.1	-20728.08	25.943	1.0000
520	70000	116977.6	-46977.61	67.111	1.0000
521	187500	170911.7	16588.34	8.847	1.0000
522	75000	106258.6	-31258.55	41.678	1.0000
523	115000	113628.1	1371.9	1.193	1.0000
524	210000	142409.5	67590.48	32.186	1.0000
526	28000	54650.59	-26650.59	95.181	1.0000
527	40000	62138.1	-22138.1	55.345	1.0000
528	95000	98418.68	-3418.676	3.599	1.0000
529	37000	54097.38	-17097.38	46.209	1.0000
530	135000	98822.52	36177.48	26.798	1.0000
531	40000	85134.89	-45134.89	112.837	1.0000
532	7000	79714.47	-72714.47	1038.778	1.0000
533	60000	85724.2	-25724.19	42.874	1.0000
535	160000	129756	30243.98	18.902	1.0000
536	120000	63938.99	56061.01	46.718	1.0000
537	44000	67088.56	-23088.56	52.474	1.0000
538	22500	77852.9	-55352.9	246.013	1.0000
539	36500	52423.26	-15923.26	43.625	1.0000
542	48000	92270.19	-44270.19	92.230	1.0000
543	190000	154570.6	35429.43	18.647	1.0000
544	128000	79814.57	48185.43	37.645	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
545	27000	96841.58	-69841.58	258.673	1.0000
547	27000	144716.8	-117716.8	435.988	0.6275
549	50000	55908.71	-5908.705	11.817	1.0000
550	70000	91446.07	-21446.07	30.637	1.0000
551	70000	78112.84	-8112.843	11.590	1.0000
552	85000	86590.87	-1590.867	1.872	1.0000
553	34000	46374.23	-12374.23	36.395	1.0000
555	65500	41925.64	23574.36	35.991	1.0000
556	58000	96381.55	-38381.55	66.175	1.0000
557	72000	81201.83	-9201.826	12.780	1.0000
558	57000	95457.24	-38457.24	67.469	1.0000
559	19000	69657.9	-50657.9	266.621	1.0000
560	65000	69495.63	-4495.631	6.916	1.0000
562	63000	122346.3	-59346.34	94.201	1.0000
563	215000	153142.9	61857.14	28.771	1.0000
564	142000	96027.72	45972.29	32.375	1.0000
565	42000	80815.31	-38815.31	92.417	1.0000
566	73500	82107.22	-8607.217	11.710	1.0000
567	60000	86051.3	-26051.3	43.419	1.0000
568	120000	136639.9	-16639.9	13.867	1.0000
569	98000	148040.8	-50040.82	51.062	1.0000
570	90000	70665.31	19334.69	21.483	1.0000
571	72000	100414.9	-28414.86	39.465	1.0000
572	35000	110883	-75883.03	216.809	0.9734
573	35000	160381.4	-125381.4	358.233	0.5891
574	250000	172382.5	77617.53	31.047	0.9517
575	269000	172382.5	96617.53	35.917	0.7645
576	75000	94141.29	-19141.29	25.522	1.0000
577	122000	139434.7	-17434.68	14.291	1.0000
578	145000	114046	30954.01	21.348	1.0000
579	126000	129371.2	-3371.156	2.676	1.0000
580	135000	164529.2	-29529.16	21.873	1.0000
581	148000	137514	10486.04	7.085	1.0000
584	158000	153741.7	4258.329	2.695	1.0000
586	360000	183976.1	176023.9	48.896	0.4196
587	70000	146234.2	-76234.23	108.906	0.9689
588	38000	100232.4	-62232.38	163.769	1.0000
590	35000	75275.42	-40275.42	115.073	1.0000
591	185000	92328.19	92671.81	50.093	0.7971
592	120000	84396.49	35603.51	29.670	1.0000
594	95000	107806.8	-12806.75	13.481	1.0000
595	58000	84583.28	-26583.29	45.833	1.0000
596	72000	131876.2	-59876.19	83.161	1.0000
597	120000	57248.43	62751.57	52.293	1.0000
598	41000	59659.38	-18659.38	45.511	1.0000
599	55000	84013.62	-29013.62	52.752	1.0000
600	65000	96445.45	-31445.45	48.378	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
601	205000	154453	50547.03	24.657	1.0000
602	109000	146266.9	-37266.89	34.190	1.0000
603	80000	131025.2	-51025.23	63.782	1.0000
604	62000	122525.1	-60525.12	97.621	1.0000
605	109000	116537.6	-7537.576	6.915	1.0000
606	175000	119618.4	55381.55	31.647	1.0000
607	73000	114414.4	-41414.44	56.732	1.0000
608	69000	91302.07	-22302.07	32.322	1.0000
609	79000	67099	11901	15.065	1.0000
610	23000	59904.7	-36904.7	160.455	1.0000
611	183000	104541.3	78458.67	42.874	0.9415
612	20000	92710.1	-72710.1	363.551	1.0000
613	68000	80123.02	-12123.02	17.828	1.0000
614	87000	85754.27	1245.73	1.432	1.0000
615	47000	61608.42	-14608.42	31.082	1.0000
616	30000	56455.29	-26455.29	88.184	1.0000
618	69000	64959.82	4040.182	5.855	1.0000
619	25000	87617.41	-62617.41	250.470	1.0000
620	197000	126510.3	70489.74	35.782	1.0000
622	162000	79708.56	82291.44	50.797	0.8976
623	30000	63029.69	-33029.69	110.099	1.0000
624	59000	100670.6	-41670.65	70.628	1.0000
625	41200	67760.96	-26560.96	64.468	1.0000
626	62000	61300.01	699.9871	1.129	1.0000
627	78500	63828.84	14671.16	18.689	1.0000
629	68000	49594.52	18405.48	27.067	1.0000
630	72000	111121.3	-39121.35	54.335	1.0000
631	75000	68508.94	6491.061	8.655	1.0000
632	34000	56587.39	-22587.39	66.434	1.0000
633	95000	74072.69	20927.31	22.029	1.0000
634	20000	79092.52	-59092.52	295.463	1.0000
635	130000	111095.6	18904.39	14.542	1.0000
637	15000	59375.98	-44375.98	295.840	1.0000
638	48000	69474.95	-21474.95	44.739	1.0000
639	72000	77695.35	-5695.351	7.910	1.0000
640	39500	69672.94	-30172.94	76.387	1.0000
641	58000	68995.89	-10995.89	18.958	1.0000
642	7024	53204.31	-46180.31	657.465	1.0000
643	72000	119137	-47137.04	65.468	1.0000
645	27500	57180.05	-29680.05	107.927	1.0000
646	52500	92128.49	-39628.49	75.483	1.0000
647	30000	47883.97	-17883.97	59.613	1.0000
648	72000	73184.02	-1184.024	1.644	1.0000
649	45000	101394.5	-56394.5	125.321	1.0000
650	20000	87046.77	-67046.77	335.234	1.0000
651	51000	93487.66	-42487.66	83.309	1.0000
652	39000	88378.23	-49378.23	126.611	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
654	20000	98014.08	-78014.08	390.070	0.9468
655	32000	79119.93	-47119.93	147.250	1.0000
656	80000	83380.44	-3380.437	4.226	1.0000
657	125000	66456.45	58543.55	46.835	1.0000
658	137000	103655.8	33344.22	24.339	1.0000
659	57000	43983.71	13016.28	22.836	1.0000
662	25000	158101.4	-133101.4	532.405	0.5550
663	62500	80323.7	-17823.69	28.518	1.0000
664	120000	100305	19695.02	16.413	1.0000
665	42500	70035.89	-27535.89	64.790	1.0000
666	40000	71282.75	-31282.75	78.207	1.0000
667	70000	89013.02	-19013.01	27.161	1.0000
669	55000	76326.85	-21326.86	38.776	1.0000
670	78000	78752.18	-752.1765	0.964	1.0000
671	32000	77313.13	-45313.13	141.604	1.0000
672	67000	88872.48	-21872.47	32.645	1.0000
673	95000	88872.48	6127.527	6.450	1.0000
674	50000	86730.85	-36730.85	73.462	1.0000
675	35000	89894.84	-54894.84	156.842	1.0000
676	130000	163993.3	-33993.24	26.149	1.0000
677	38500	81964.77	-43464.77	112.895	1.0000
678	125000	103917.9	21082.12	16.866	1.0000
679	55000	134286.6	-79286.62	144.157	0.9316
680	58000	94413.41	-36413.41	62.782	1.0000
681	70000	80218.74	-10218.74	14.598	1.0000
682	38000	81000.36	-43000.36	113.159	1.0000
684	5000	46788.9	-41788.9	835.778	1.0000
685	70000	78766.63	-8766.622	12.524	1.0000
686	52000	103531.7	-51531.66	99.099	1.0000
688	80000	87192.3	-7192.302	8.990	1.0000
689	72000	106580.2	-34580.2	48.028	1.0000
690	72500	93661.88	-21161.88	29.189	1.0000
691	79000	108695.4	-29695.44	37.589	1.0000
692	85000	90406.03	-5406.028	6.360	1.0000
693	22500	93915.05	-71415.05	317.400	1.0000
694	7000	39085.54	-32085.53	458.365	1.0000
696	10000	77541.03	-67541.03	675.410	1.0000
698	48000	88227.27	-40227.26	83.807	1.0000
699	133500	97987.63	35512.38	26.601	1.0000
700	83000	83949.8	-949.7979	1.144	1.0000
701	17900	57417.05	-39517.05	220.766	1.0000
702	69000	77805.7	-8805.692	12.762	1.0000
703	95000	76357.66	18642.34	19.624	1.0000
704	35000	96630.11	-61630.11	176.086	1.0000
705	53500	83048.82	-29548.82	55.231	1.0000
706	48950	58521.01	-9571.01	19.553	1.0000
707	14000	84077.95	-70077.95	500.557	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
708	92000	120047.2	-28047.19	30.486	1.0000
709	65000	85741.37	-20741.37	31.910	1.0000
711	237000	100815	136185	57.462	0.5424
712	72000	157041.8	-85041.84	118.114	0.8686
713	69500	76913.72	-7413.719	10.667	1.0000
714	76000	90951.55	-14951.55	19.673	1.0000
715	56000	76698.44	-20698.44	36.961	1.0000
716	63000	91965.39	-28965.39	45.977	1.0000
717	75000	64098.18	10901.82	14.536	1.0000
718	85000	142907.5	-57907.51	68.126	1.0000
719	110000	142907.5	-32907.51	29.916	1.0000
720	82000	115462.5	-33462.49	40.808	1.0000
721	63000	83694.4	-20694.4	32.848	1.0000
722	220000	103936.7	116063.3	52.756	0.6364
723	45000	103325.6	-58325.55	129.612	1.0000
724	125000	107007.2	17992.83	14.394	1.0000
725	80000	118215.4	-38215.35	47.769	1.0000
726	68000	107657.4	-39657.35	58.320	1.0000
727	69500	121288.6	-51788.63	74.516	1.0000
729	100000	85929.67	14070.33	14.070	1.0000
730	125000	74814.66	50185.34	40.148	1.0000
731	65000	74301.57	-9301.566	14.310	1.0000
733	168000	98290.13	69709.88	41.494	1.0000
734	77500	98890.62	-21390.62	27.601	1.0000
735	30000	109461.8	-79461.77	264.873	0.9296
736	130000	79461.19	50538.81	38.876	1.0000
738	93000	142202.6	-49202.65	52.906	1.0000
739	70000	128320.1	-58320.14	83.314	1.0000
740	42000	91894.07	-49894.07	118.795	1.0000
742	135000	111575.7	23424.33	17.351	1.0000
743	228000	152058.9	75941.12	33.308	0.9727
744	225000	155132	69867.97	31.052	1.0000
745	48000	76909.55	-28909.55	60.228	1.0000
746	59500	83502.4	-24002.4	40.340	1.0000
747	39000	79968.02	-40968.02	105.046	1.0000
749	60000	112923.6	-52923.65	88.206	1.0000
750	5000	115455.1	-110455.1	2209.103	0.6687
751	149500	77842.73	71657.27	47.931	1.0000
752	68000	95603.67	-27603.67	40.594	1.0000
753	87500	44893.99	42606.01	48.693	1.0000
754	25500	81863.56	-56363.56	221.034	1.0000
755	35000	66557.97	-31557.97	90.166	1.0000
756	15000	100397	-85397	569.313	0.8650
757	26000	88679.69	-62679.69	241.076	1.0000
758	38800	117061.5	-78261.49	201.705	0.9438
759	128000	92220.05	35779.95	27.953	1.0000
760	135000	85504.72	49495.28	36.663	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
761	75000	45013.4	29986.6	39.982	1.0000
762	7200	83276.76	-76076.76	1056.622	0.9710
763	3500	121982	-118482	3385.199	0.6234
764	60000	63795.3	-3795.305	6.326	1.0000
765	55000	92081.03	-37081.03	67.420	1.0000
766	61500	59539.88	1960.118	3.187	1.0000
767	58500	80551.17	-22051.17	37.694	1.0000
768	65000	70961.24	-5961.241	9.171	1.0000
769	56000	75359.83	-19359.83	34.571	1.0000
770	120000	98500.39	21499.61	17.916	1.0000
771	45000	73808.62	-28808.62	64.019	1.0000
772	68000	106409.8	-38409.79	56.485	1.0000
773	115000	146559.4	-31559.42	27.443	1.0000
775	45000	76624.64	-31624.64	70.277	1.0000
776	82000	84686.12	-2686.12	3.276	1.0000
777	63750	82593.57	-18843.57	29.559	1.0000
779	85000	69859.72	15140.28	17.812	1.0000
780	95000	35405.62	59594.38	62.731	1.0000
781	170000	98322.19	71677.81	42.163	1.0000
782	123000	123086.1	-86.1314	0.070	1.0000
783	60000	57266.26	2733.742	4.556	1.0000
784	85000	95084.52	-10084.52	11.864	1.0000
785	67000	54340.33	12659.67	18.895	1.0000
786	30000	47223.55	-17223.56	57.412	1.0000
787	78000	74888.05	3111.945	3.990	1.0000
788	55000	54375.75	624.2546	1.135	1.0000
790	80000	86993.6	-6993.601	8.742	1.0000
791	25000	68555.26	-43555.26	174.221	1.0000
792	56000	66994.02	-10994.02	19.632	1.0000
793	52500	80453.69	-27953.69	53.245	1.0000
795	200000	127478.9	72521.08	36.261	1.0000
796	30000	74923.13	-44923.13	149.744	1.0000
797	16000	37489.56	-21489.56	134.310	1.0000
798	65000	76488.36	-11488.36	17.674	1.0000
799	46000	99023.33	-53023.33	115.268	1.0000
800	187000	119442.7	67557.31	36.127	1.0000
801	52000	117605.2	-65605.21	126.164	1.0000
803	69000	55045.39	13954.61	20.224	1.0000
805	117500	68271.47	49228.54	41.897	1.0000
806	40000	84582.34	-44582.34	111.456	1.0000
807	107500	50260.42	57239.58	53.246	1.0000
809	7271	81620.09	-74349.09	1022.543	0.9935
810	178000	69940.73	108059.3	60.707	0.6836
811	80000	64777.57	15222.43	19.028	1.0000
812	35000	32491.65	2508.347	7.167	1.0000
813	46000	46377.28	-377.278	0.820	1.0000
814	37000	33510.84	3489.156	9.430	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
816	35000	60903.41	-25903.41	74.010	1.0000
817	30000	103067.2	-73067.21	243.557	1.0000
818	15000	78895.83	-63895.83	425.972	1.0000
819	50000	111531.1	-61531.14	123.062	1.0000
820	97500	113670.8	-16170.81	16.585	1.0000
821	125000	138007.7	-13007.72	10.406	1.0000
822	47000	75348.77	-28348.77	60.317	1.0000
823	66500	67418.02	-918.0159	1.380	1.0000
824	58000	95565.02	-37565.02	64.767	1.0000
825	80000	72278.45	7721.553	9.652	1.0000
826	39000	64571.58	-25571.58	65.568	1.0000
828	119000	71832.75	47167.25	39.636	1.0000
829	42000	64990.65	-22990.65	54.740	1.0000
830	77000	50952.82	26047.18	33.828	1.0000
831	64000	81524.88	-17524.88	27.383	1.0000
832	120000	87502.28	32497.72	27.081	1.0000
833	37000	75207.32	-38207.32	103.263	1.0000
834	52500	48283.96	4216.035	8.031	1.0000
835	100000	104314.9	-4314.874	4.315	1.0000
836	55000	82134.34	-27134.34	49.335	1.0000
837	69500	75715.66	-6215.658	8.943	1.0000
838	40000	64832.43	-24832.43	62.081	1.0000
839	20000	24615.22	-4615.216	23.076	1.0000
840	46000	37622.37	8377.628	18.212	1.0000
841	67000	100136.1	-33136.13	49.457	1.0000
842	50000	74878.78	-24878.78	49.758	1.0000
843	86000	63422.71	22577.29	26.253	1.0000
844	43500	37863.56	5636.438	12.957	1.0000
845	98000	77399.02	20600.98	21.021	1.0000
846	32000	60521.84	-28521.84	89.131	1.0000
847	55000	56807.48	-1807.486	3.286	1.0000
848	85000	81143.02	3856.977	4.538	1.0000
849	91000	59213.31	31786.69	34.930	1.0000
850	30000	57602.95	-27602.95	92.010	1.0000
851	64000	67476.12	-3476.121	5.431	1.0000
852	33000	61668.14	-28668.14	86.873	1.0000
853	50000	61084.18	-11084.18	22.168	1.0000
854	73000	107557.4	-34557.37	47.339	1.0000
855	160000	93495.98	66504.02	41.565	1.0000
856	40000	90926.16	-50926.16	127.315	1.0000
857	77000	112467.4	-35467.38	46.062	1.0000
858	150000	121801.9	28198.07	18.799	1.0000
859	56500	93292.98	-36792.98	65.120	1.0000
860	56000	62429.85	-6429.851	11.482	1.0000
861	85000	106353.8	-21353.77	25.122	1.0000
862	32000	94650.07	-62650.07	195.781	1.0000
863	58500	94650.07	-36150.07	61.795	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
864	69900	89567.96	-19667.96	28.137	1.0000
865	7500	111491	-103991	1386.546	0.7103
867	8100	96256	-88156	1088.346	0.8379
868	48000	123156.2	-75156.16	156.575	0.9828
869	74500	123210.3	-48710.25	65.383	1.0000
870	54000	94492.86	-40492.86	74.987	1.0000
871	160000	84649.91	75350.09	47.094	0.9803
872	55000	73896.34	-18896.33	34.357	1.0000
873	91350	65540.58	25809.42	28.253	1.0000
875	75000	105174.6	-30174.55	40.233	1.0000
876	75000	85226.79	-10226.79	13.636	1.0000
877	15000	70568.77	-55568.77	370.458	1.0000
878	180000	110295.4	69704.58	38.725	1.0000
879	19000	100684.5	-81684.48	429.918	0.9043
881	15000	42224.41	-27224.4	181.496	1.0000
882	135000	59621.03	75378.97	55.836	0.9799
883	230000	122256.8	107743.2	46.845	0.6856
884	89000	160628.2	-71628.23	80.481	1.0000
885	92000	138247.8	-46247.8	50.269	1.0000
886	117500	114315.4	3184.627	2.710	1.0000
887	205000	85561.67	119438.3	58.263	0.6185
888	55000	122107.3	-67107.31	122.013	1.0000
889	54000	91132.84	-37132.84	68.765	1.0000
890	150000	34672.68	115327.3	76.885	0.6405
893	50000	71545.3	-21545.3	43.091	1.0000
894	125000	127418	-2418.048	1.934	1.0000
895	9000	57897.04	-48897.04	543.300	1.0000
896	45000	86461.18	-41461.18	92.136	1.0000
897	35000	48512.52	-13512.52	38.607	1.0000
898	50000	73991.32	-23991.32	47.983	1.0000
899	45000	50412.54	-5412.539	12.028	1.0000
900	40000	105897.5	-65897.48	164.744	1.0000
901	42000	70779.98	-28779.97	68.524	1.0000
902	22000	66459.59	-44459.59	202.089	1.0000
903	160000	116740.4	43259.6	27.037	1.0000
904	62000	78375.52	-16375.53	26.412	1.0000
905	47500	55881.2	-8381.201	17.645	1.0000
906	85000	90960.07	-5960.073	7.012	1.0000
907	72500	106555.4	-34055.39	46.973	1.0000
908	33000	72327.55	-39327.55	119.174	1.0000
909	112500	129808.7	-17308.72	15.386	1.0000
910	140000	116743.1	23256.85	16.612	1.0000
911	113000	94981.24	18018.76	15.946	1.0000
912	210000	117125	92875.02	44.226	0.7953
913	49500	92267.63	-42767.63	86.399	1.0000
914	60000	124292.2	-64292.22	107.154	1.0000
915	10000	133381.9	-123381.9	1233.819	0.5987

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
916	70000	90710.46	-20710.46	29.586	1.0000
917	100000	97579.27	2420.732	2.421	1.0000
918	63750	71160.45	-7410.443	11.624	1.0000
919	67000	66895.61	104.3927	0.156	1.0000
920	95000	98445.63	-3445.632	3.627	1.0000
921	145000	98012.7	46987.3	32.405	1.0000
922	52000	64743.68	-12743.68	24.507	1.0000
923	100000	85930.13	14069.88	14.070	1.0000
924	115000	90709.13	24290.88	21.123	1.0000
925	272000	140096.7	131903.3	48.494	0.5600
926	82000	99553.2	-17553.21	21.406	1.0000
927	46500	110029.9	-63529.86	136.623	1.0000
928	62000	118806.5	-56806.55	91.623	1.0000
929	186000	153834.3	32165.65	17.293	1.0000
930	270000	116410.8	153589.2	56.885	0.4809
931	20000	89834.6	-69834.6	349.173	1.0000
932	70000	119284.8	-49284.83	70.407	1.0000
933	92500	104102.3	-11602.28	12.543	1.0000
934	340000	141471.8	198528.2	58.391	0.3721
935	185000	107522.6	77477.39	41.880	0.9534
936	270000	175185.4	94814.56	35.117	0.7791
937	95000	107369.5	-12369.47	13.020	1.0000
938	30000	64578.81	-34578.81	115.263	1.0000
939	60000	81685.06	-21685.06	36.142	1.0000
940	70000	105454.4	-35454.41	50.649	1.0000
941	80000	131160.5	-51160.48	63.951	1.0000
943	85000	72723.56	12276.44	14.443	1.0000
944	190000	28641.62	161358.4	84.925	0.4578
945	140000	94186.05	45813.95	32.724	1.0000
946	62000	63012.51	-1012.508	1.633	1.0000
947	80000	84939.14	-4939.142	6.174	1.0000
948	102000	78438.73	23561.27	23.099	1.0000
950	82000	87694.66	-5694.666	6.945	1.0000
951	56000	81878.21	-25878.21	46.211	1.0000
952	67000	95916.04	-28916.04	43.158	1.0000
953	67000	75994.55	-8994.548	13.425	1.0000
954	160000	78951.03	81048.97	50.656	0.9114
955	65000	90404.26	-25404.26	39.083	1.0000
956	120000	115661.1	4338.887	3.616	1.0000
957	90000	96569.79	-6569.792	7.300	1.0000
958	78000	81057.2	-3057.198	3.919	1.0000
959	22000	62816.89	-40816.89	185.531	1.0000
960	130000	123033.3	6966.736	5.359	1.0000
961	75000	92560.95	-17560.95	23.415	1.0000
962	40000	135261.1	-95261.15	238.153	0.7754
963	62500	74877.48	-12377.47	19.804	1.0000
964	85000	122969.9	-37969.95	44.671	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
965	24000	63319.29	-39319.29	163.830	1.0000
966	85000	107842.6	-22842.61	26.874	1.0000
967	55000	95494.49	-40494.49	73.626	1.0000
968	80000	85650.51	-5650.507	7.063	1.0000
969	39000	36972.49	2027.51	5.199	1.0000
970	20000	63094.29	-43094.29	215.471	1.0000
971	32500	112592.6	-80092.65	246.439	0.9223
972	64000	62832.71	1167.293	1.824	1.0000
973	30000	114320.9	-84320.85	281.070	0.8760
974	78500	106794.4	-28294.43	36.044	1.0000
975	115000	139419	-24418.96	21.234	1.0000
976	55120	101303.2	-46183.22	83.787	1.0000
978	62000	61421.45	578.5459	0.933	1.0000
979	150000	99867.49	50132.51	33.422	1.0000
980	210000	151566.4	58433.63	27.826	1.0000
981	375000	166004.7	208995.3	55.732	0.3534
982	92500	121944.7	-29444.73	31.832	1.0000
983	193500	112989.4	80510.62	41.608	0.9175
984	22500	87390.76	-64890.76	288.403	1.0000
985	4000	100632.1	-96632.11	2415.803	0.7644
986	148000	86561.08	61438.92	41.513	1.0000
987	25000	190550.4	-165550.4	662.202	0.4462
988	200000	105580.4	94419.55	47.210	0.7823
989	10000	47184.42	-37184.42	371.844	1.0000
990	28265	123343.5	-95078.47	336.382	0.7769
992	85000	116019	-31019.04	36.493	1.0000
993	70000	111739.5	-41739.52	59.628	1.0000
994	85000	116322.4	-31322.38	36.850	1.0000
995	118000	116322.4	1677.621	1.422	1.0000
996	75000	136030.3	-61030.28	81.374	1.0000
997	235000	122592	112408	47.833	0.6571
998	95000	152716.6	-57716.59	60.754	1.0000
999	36000	64452.6	-28452.6	79.035	1.0000
1000	39000	86440.45	-47440.45	121.642	1.0000
1001	52000	91313.16	-39313.15	75.602	1.0000
1002	73000	92989.41	-19989.42	27.383	1.0000
1003	107500	91284.3	16215.7	15.084	1.0000
1004	216000	155562.1	60437.87	27.980	1.0000
1005	20000	51558.09	-31558.08	157.790	1.0000
1006	25000	61454.57	-36454.57	145.818	1.0000
1007	8000	102992.8	-94992.84	1187.410	0.7776
1008	92000	120393	-28392.96	30.862	1.0000
1009	110000	88826.55	21173.45	19.249	1.0000
1010	27500	115058.6	-87558.6	318.395	0.8436
1011	56000	56285.86	-285.8634	0.510	1.0000
1012	55000	76253.41	-21253.41	38.643	1.0000
1013	210000	95468.09	114531.9	54.539	0.6449

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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
1014	250000	149846.5	100153.4	40.061	0.7375
1015	265000	131826.5	133173.5	50.254	0.5547
1017	85000	51517.48	33482.52	39.391	1.0000
1018	175000	80541.45	94458.55	53.976	0.7820
1019	100000	50076.59	49923.41	49.923	1.0000
1020	95000	104865.6	-9865.638	10.385	1.0000
1022	125000	99790.98	25209.03	20.167	1.0000
1024	250000	144237.3	105762.7	42.305	0.6984
1025	90000	42548.95	47451.05	52.723	1.0000
1026	90000	44797.4	45202.6	50.225	1.0000
1027	325000	92660.14	232339.9	71.489	0.3179
1028	270000	87224.3	182775.7	67.695	0.4041
1029	150000	125921.5	24078.51	16.052	1.0000
1030	100000	50080.82	49919.18	49.919	1.0000
1031	110000	111311.4	-1311.384	1.192	1.0000
1032	330000	152765.6	177234.4	53.707	0.4168
1033	45000	89736.48	-44736.48	99.414	1.0000
1035	145000	88919.76	56080.24	38.676	1.0000
1036	130000	99388.86	30611.14	23.547	1.0000
1037	90000	85772.74	4227.261	4.697	1.0000
1039	75000	61320.69	13679.31	18.239	1.0000
1040	85000	100509.3	-15509.34	18.246	1.0000
1041	160000	91128.01	68871.99	43.045	1.0000
1042	210000	99203.63	110796.4	52.760	0.6667
1044	108000	84437.84	23562.17	21.817	1.0000
1045	45000	106246.7	-61246.7	136.104	1.0000
1046	265000	128980	136020	51.328	0.5431
1047	35000	73188.47	-38188.47	109.110	1.0000
1048	90000	96882.98	-6882.978	7.648	1.0000
1049	55000	67521.56	-12521.56	22.766	1.0000
1050	83000	74783.99	8216.005	9.899	1.0000
1051	85000	96487.5	-11487.5	13.515	1.0000
1052	175000	80549.12	94450.88	53.972	0.7821
1054	60000	56601.86	3398.142	5.664	1.0000
1055	85000	61168.62	23831.38	28.037	1.0000
1057	210000	106038	103962	49.506	0.7105
1058	95000	95116.09	-116.0927	0.122	1.0000
1059	310000	146464.8	163535.2	52.753	0.4517
1061	120000	97299.15	22700.85	18.917	1.0000
1062	135000	64836.78	70163.23	51.973	1.0000
1063	85000	95874.07	-10874.07	12.793	1.0000
1064	215000	109938.8	105061.2	48.866	0.7031
1065	225000	132060.4	92939.65	41.307	0.7948
1066	95000	81676.88	13323.12	14.024	1.0000
1067	65000	89729.27	-24729.27	38.045	1.0000
1068	40000	37163.87	2836.132	7.090	1.0000
1069	50000	24070.5	25929.5	51.859	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1070	85000	47317.25	37682.75	44.333	1.0000
1071	145000	76674.31	68325.69	47.121	1.0000
1072	155000	88203.48	66796.52	43.095	1.0000
1073	228000	132449.7	95550.34	41.908	0.7731
1074	180000	115709.5	64290.53	35.717	1.0000
1075	160000	123277.8	36722.23	22.951	1.0000
1076	169000	108720	60279.96	35.669	1.0000
1077	80000	36881.36	43118.64	53.898	1.0000
1078	195000	79703.36	115296.6	59.126	0.6407
1079	180000	125662.7	54337.34	30.187	1.0000
1082	55000	75374.73	-20374.73	37.045	1.0000
1083	75000	53964.74	21035.26	28.047	1.0000
1084	78000	57820.15	20179.85	25.872	1.0000
1085	55000	78038.04	-23038.04	41.887	1.0000
1086	90000	60988.55	29011.45	32.235	1.0000
1087	80000	44316.8	35683.2	44.604	1.0000
1089	95000	82318.83	12681.17	13.349	1.0000
1090	60000	73544.16	-13544.16	22.574	1.0000
1091	163000	99160.23	63839.77	39.166	1.0000
1092	195000	112717.5	82282.52	42.196	0.8977
1093	130000	53561.18	76438.82	58.799	0.9664
1094	190000	130006.7	59993.26	31.575	1.0000
1095	112500	106300.5	6199.538	5.511	1.0000
1096	97000	78752.18	18247.82	18.812	1.0000
1097	103000	76650.81	26349.19	25.582	1.0000
1098	82000	129154.2	-47154.2	57.505	1.0000
1099	142500	109842.1	32657.89	22.918	1.0000
1100	170000	154972.7	15027.29	8.840	1.0000
1101	252000	150620.2	101379.8	40.230	0.7286
1102	169000	99507.66	69492.34	41.120	1.0000
1103	145000	112394.6	32605.42	22.486	1.0000
1104	52500	82215.44	-29715.44	56.601	1.0000
1105	25000	124341.8	-99341.77	397.367	0.7436
1106	30000	43213.2	-13213.2	44.044	1.0000
1107	320000	103216	216784	67.745	0.3407
1108	100000	80403.91	19596.1	19.596	1.0000
1109	100000	95603.69	4396.315	4.396	1.0000
1110	130000	79632.39	50367.61	38.744	1.0000
1111	40000	77841.77	-37841.77	94.604	1.0000
1112	100000	66050.04	33949.96	33.950	1.0000
1113	108000	101754	6245.964	5.783	1.0000
1114	165000	104086	60913.98	36.918	1.0000
1115	95000	116970.4	-21970.4	23.127	1.0000
1116	180000	69460.34	110539.7	61.411	0.6682
1117	128000	71842.03	56157.96	43.873	1.0000
1118	245000	85929.67	159070.3	64.927	0.4644
1119	80000	78743.3	1256.697	1.571	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1121	180000	83723.13	96276.88	53.487	0.7672
1122	76000	75664.19	335.8125	0.442	1.0000
1123	387500	157817.2	229682.8	59.273	0.3216
1124	155000	53400.98	101599	65.548	0.7270
1125	80000	41660.75	38339.25	47.924	1.0000
1126	55000	70368.3	-15368.31	27.942	1.0000
1127	75000	71711.98	3288.023	4.384	1.0000
1128	110000	119893.8	-9893.816	8.994	1.0000
1129	50000	81999.5	-31999.5	63.999	1.0000
1130	177000	93036.63	83963.37	47.437	0.8798
1131	122000	100555.6	21444.37	17.577	1.0000
1132	102500	82471.2	20028.79	19.540	1.0000
1133	89000	85983.08	3016.925	3.390	1.0000
1134	35000	112480.6	-77480.63	221.373	0.9534
1135	135000	139136.7	-4136.735	3.064	1.0000
1136	50000	59715.02	-9715.024	19.430	1.0000
1137	100000	88710.14	11289.86	11.290	1.0000
1138	370000	96152.56	273847.4	74.013	0.2697
1139	280000	100394.3	179605.7	64.145	0.4113
1140	330000	46656.57	283343.4	85.862	0.2607
1141	70000	31732.63	38267.38	54.668	1.0000
1142	68000	61376.91	6623.087	9.740	1.0000
1143	25000	72553.66	-47553.66	190.215	1.0000
1144	96000	92251.2	3748.801	3.905	1.0000
1145	150000	75999.02	74000.98	49.334	0.9982
1146	180000	114785.3	65214.67	36.230	1.0000
1147	230000	120645.2	109354.8	47.546	0.6755
1148	525000	102572.1	422427.9	80.462	0.1749
1150	35000	36337.55	-1337.552	3.822	1.0000
1151	70000	66541.88	3458.12	4.940	1.0000
1152	280000	125724	154276	55.099	0.4788
1153	170000	79237.09	90762.91	53.390	0.8138
1154	30000	97323.51	-67323.51	224.412	1.0000
1155	50000	66925.91	-16925.91	33.852	1.0000
1156	110000	119555.5	-9555.507	8.687	1.0000
1157	86000	109071.9	-23071.87	26.828	1.0000
1158	130000	134441.6	-4441.616	3.417	1.0000
1159	130000	93786.77	36213.23	27.856	1.0000
1160	68000	56336.73	11663.27	17.152	1.0000
1161	65000	54039.2	10960.8	16.863	1.0000
1162	260000	137831.3	122168.7	46.988	0.6046
1163	70000	88547.99	-18548	26.497	1.0000
1165	37000	82201.82	-45201.82	122.167	1.0000
1166	60000	44902.2	15097.8	25.163	1.0000
1168	130000	62240	67760	52.123	1.0000
1169	130000	120838	9161.981	7.048	1.0000
1170	127000	78592.96	48407.04	38.116	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1171	90000	81841.87	8158.129	9.065	1.0000
1172	410000	123890.9	286109.1	69.783	0.2582
1173	105000	105560.3	-560.2928	0.534	1.0000
1174	56000	102592	-46592.02	83.200	1.0000
1175	185000	116836.4	68163.57	36.845	1.0000
1176	160000	91425.91	68574.09	42.859	1.0000
1177	80000	116212.2	-36212.21	45.265	1.0000
1178	110000	67056.66	42943.34	39.039	1.0000
1179	55000	108808.6	-53808.64	97.834	1.0000
1180	65500	84500.7	-19000.7	29.009	1.0000
1181	235000	94041.3	140958.7	59.982	0.5240
1182	149000	61892.8	87107.2	58.461	0.8480
1183	155000	106634.5	48365.47	31.204	1.0000
1184	200000	109753.7	90246.27	45.123	0.8185
1185	310000	156519.1	153480.9	49.510	0.4813
1186	165000	111495.9	53504.14	32.427	1.0000
1187	145000	96888.86	48111.14	33.180	1.0000
1188	150000	111717.1	38282.86	25.522	1.0000
1189	100000	65105.09	34894.91	34.895	1.0000
1190	55000	36589.99	18410.01	33.473	1.0000
1191	34000	75438	-41438	121.876	1.0000
1192	40000	75100.89	-35100.89	87.752	1.0000
1193	70500	153847.8	-83347.75	118.224	0.8862
1194	80000	82771.99	-2771.989	3.465	1.0000
1195	173000	77809.82	95190.18	55.023	0.7760
1196	58000	78202.13	-20202.13	34.831	1.0000
1197	365000	110020.7	254979.3	69.857	0.2897
1198	197000	144561.2	52438.78	26.619	1.0000
1199	107000	108949.1	-1949.128	1.822	1.0000
1200	265000	127096.9	137903.1	52.039	0.5356
1202	205000	134841.5	70158.53	34.224	1.0000
1203	95000	99779.77	-4779.772	5.031	1.0000
1204	12500	32700.49	-20200.49	161.604	1.0000
1205	275000	78838.72	196161.3	71.331	0.3766
1206	70000	75122.35	-5122.352	7.318	1.0000
1207	29000	74695.24	-45695.24	157.570	1.0000
1210	140000	70832.03	69167.97	49.406	1.0000
1211	330000	115621.4	214378.6	64.963	0.3446
1212	45000	44292.83	707.1726	1.571	1.0000
1213	95000	77412.86	17587.14	18.513	1.0000
1215	65000	100202.9	-35202.93	54.158	1.0000
1216	235000	89273.55	145726.5	62.011	0.5069
1217	115000	36588.7	78411.3	68.184	0.9420
1218	110000	48351.93	61648.07	56.044	1.0000
1219	230000	114662.4	115337.6	50.147	0.6404
1220	65000	51933.14	13066.86	20.103	1.0000
1221	80000	72514.17	7485.827	9.357	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
1222	65000	57775.88	7224.119	11.114	1.0000
1223	140000	84459.45	55540.55	39.672	1.0000
1225	102500	85807.66	16692.35	16.285	1.0000
1226	400000	81459.89	318540.1	79.635	0.2319
1227	155000	113879.7	41120.34	26.529	1.0000
1228	160000	73932.56	86067.44	53.792	0.8582
1229	70000	61585.97	8414.029	12.020	1.0000
1230	20000	46507.5	-26507.5	132.538	1.0000
1231	249000	112136.7	136863.3	54.965	0.5397
1233	257000	107519.9	149480.1	58.163	0.4942
1234	180000	107443.3	72556.73	40.309	1.0000
1235	190000	150037.9	39962.07	21.033	1.0000
1236	255000	118948.6	136051.4	53.353	0.5429
1237	100000	87466.96	12533.04	12.533	1.0000
1239	32000	47397.52	-15397.52	48.117	1.0000
1240	210000	155884.6	54115.43	25.769	1.0000
1241	320000	137924.4	182075.6	56.899	0.4057
1242	325000	137924.4	187075.6	57.562	0.3949
1243	72000	139643.8	-67643.84	93.950	1.0000
1244	100000	123474	-23474.01	23.474	1.0000
1245	149995	105640.2	44354.79	29.571	1.0000
1246	165000	126233.6	38766.39	23.495	1.0000
1247	35000	51750.3	-16750.3	47.858	1.0000
1248	78000	71162.13	6837.877	8.767	1.0000
1249	90000	34793.82	55206.18	61.340	1.0000
1250	230000	79756.14	150243.9	65.323	0.4916
1251	89000	84855.52	4144.479	4.657	1.0000
1252	48000	76733.98	-28733.99	59.862	1.0000
1253	90000	67419.45	22580.54	25.089	1.0000
1254	178000	103039.5	74960.46	42.113	0.9854
1255	190000	116080	73919.98	38.905	0.9993
1256	53333	80657.15	-27324.15	51.233	1.0000
1257	95000	120841.9	-25841.86	27.202	1.0000
1258	45000	85564.23	-40564.23	90.143	1.0000
1259	65000	87230.85	-22230.86	34.201	1.0000
1260	86000	84537.09	1462.913	1.701	1.0000
1261	159000	82076.84	76923.16	48.379	0.9603
1262	120000	76183.71	43816.29	36.514	1.0000
1263	19000	72046.88	-53046.88	279.194	1.0000
1264	55000	100628.1	-45628.08	82.960	1.0000
1265	115000	134771.5	-19771.53	17.193	1.0000
1266	235000	68313.26	166686.7	70.931	0.4431
1269	115000	88472.73	26527.27	23.067	1.0000
1270	225000	110462.5	114537.5	50.906	0.6449
1271	255000	100247.4	154752.6	60.687	0.4773
1272	30000	94754.05	-64754.05	215.847	1.0000
1274	125000	91494.34	33505.66	26.805	1.0000

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1275	62500	74990.55	-12490.55	19.985	1.0000
1276	25000	43276.62	-18276.62	73.106	1.0000
1277	83000	75658.92	7341.081	8.845	1.0000
1278	185000	100098.1	84901.91	45.893	0.8700
1280	105000	46224.18	58775.82	55.977	1.0000
1281	197500	122704.8	74795.2	37.871	0.9876
1282	78000	69122.88	8877.116	11.381	1.0000
1283	100000	73089.13	26910.87	26.911	1.0000
1284	25000	50741.63	-25741.63	102.967	1.0000
1285	40000	36699.21	3300.784	8.252	1.0000
1286	27000	2209.465	24790.54	91.817	1.0000
1287	20000	101665.8	-81665.84	408.329	0.9045
1290	249000	135473.6	113526.4	45.593	0.6507
1291	165000	150670.4	14329.63	8.685	1.0000
1292	310000	132060.8	177939.3	57.400	0.4151
1293	148000	75704.69	72295.31	48.848	1.0000
1294	200000	74990.14	125009.9	62.505	0.5909
1297	90000	73076.11	16923.89	18.804	1.0000
1298	235000	126263.2	108736.8	46.271	0.6793
1299	160000	145159.3	14840.67	9.275	1.0000
1300	208000	130034	77965.96	37.484	0.9474
1301	155000	133266.6	21733.41	14.022	1.0000
1302	173000	141020.2	31979.84	18.485	1.0000
1303	145000	128285.2	16714.84	11.527	1.0000
1304	95000	81891.37	13108.63	13.799	1.0000
1305	55000	68550.02	-13550.01	24.636	1.0000
1306	105000	101457.8	3542.173	3.373	1.0000
1307	170000	107182.7	62817.32	36.951	1.0000
1308	90000	92057.97	-2057.967	2.287	1.0000
1309	38000	88789.02	-50789.02	133.655	1.0000
1310	60000	117765.3	-57765.29	96.275	1.0000
1311	125000	100558.9	24441.11	19.553	1.0000
1312	95000	84583.28	10416.71	10.965	1.0000
1313	125000	58995.28	66004.72	52.804	1.0000
1314	155000	85408.03	69591.97	44.898	1.0000
1315	120000	168864.7	-48864.67	40.721	1.0000
1316	189000	115709.5	73290.52	38.778	1.0000
1317	135000	108569.8	26430.21	19.578	1.0000
1318	215000	130726.9	84273.12	39.197	0.8765
1319	170000	126515	43485.01	25.579	1.0000
1320	160000	131490.2	28509.8	17.819	1.0000
1321	255000	101398.8	153601.2	60.236	0.4809
1322	90000	68463.73	21536.27	23.929	1.0000
1323	55000	93538.41	-38538.4	70.070	1.0000
1324	152500	80202.57	72297.43	47.408	1.0000
1325	245000	139281.2	105718.8	43.151	0.6987
1326	99000	62797.65	36202.35	36.568	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
1327	130000	76657.5	53342.5	41.033	1.0000
1328	50000	66976.91	-16976.91	33.954	1.0000
1329	10000	25008.25	-15008.25	150.082	1.0000
1330	79000	61300.01	17699.99	22.405	1.0000
1331	40000	53370.24	-13370.24	33.426	1.0000
1332	22000	110352.7	-88352.73	401.603	0.8360
1333	44000	45585.66	-1585.665	3.604	1.0000
1334	100000	119590.9	-19590.95	19.591	1.0000
1335	130000	83826.79	46173.21	35.518	1.0000
1336	145000	103075.7	41924.32	28.913	1.0000
1338	42000	54415.4	-12415.4	29.560	1.0000
1340	27000	93051.8	-66051.8	244.636	1.0000
1341	235000	162359.3	72640.7	30.911	1.0000
1342	230000	169939.8	60060.18	26.113	1.0000
1343	140000	100653.4	39346.55	28.105	1.0000
1344	48750	65334.77	-16584.78	34.020	1.0000
1346	85000	82814.98	2185.012	2.571	1.0000
1347	70000	68375.55	1624.45	2.321	1.0000
1350	99000	92782.62	6217.383	6.280	1.0000
1351	60000	77412.46	-17412.46	29.021	1.0000
1352	180000	117416.8	62583.16	34.768	1.0000
1353	180000	134286.6	45713.38	25.396	1.0000
1354	155000	112149.9	42850.15	27.645	1.0000
1355	60000	95027.48	-35027.48	58.379	1.0000
1356	91000	92663.49	-1663.49	1.828	1.0000
1357	55000	83499.87	-28499.86	51.818	1.0000
1358	115000	76034.4	38965.6	33.883	1.0000
1359	192000	118427.6	73572.41	38.319	1.0000
1360	97500	90351.94	7148.062	7.331	1.0000
1361	50000	89846.72	-39846.72	79.693	1.0000
1362	270000	138394.3	131605.7	48.743	0.5613
1363	50000	92162.59	-42162.59	84.325	1.0000
1364	250000	84565.16	165434.8	66.174	0.4465
1365	155000	142518.8	12481.2	8.052	1.0000
1367	192000	89668.32	102331.7	53.298	0.7218
1368	250000	160751.6	89248.45	35.699	0.8277
1369	288000	160751.6	127248.4	44.183	0.5805
1373	60000	58259.73	1740.267	2.900	1.0000
1374	140000	77353.71	62646.29	44.747	1.0000
1376	127000	88157.41	38842.59	30.585	1.0000
1377	292000	153973.3	138026.7	47.269	0.5352
1378	325000	105965.3	219034.7	67.395	0.3372
1379	225000	83502.4	141497.6	62.888	0.5220
1380	150000	68666.05	81333.95	54.223	0.9082
1381	116480	121948.3	-5468.301	4.695	1.0000
1382	325000	117328.7	207671.3	63.899	0.3557
1383	171000	136319.9	34680.11	20.281	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
1385	152000	135449.9	16550.07	10.888	1.0000
1386	130000	95603.67	34396.32	26.459	1.0000
1387	150000	104333.5	45666.5	30.444	1.0000
1388	88000	85265.11	2734.894	3.108	1.0000
1389	35000	67879.69	-32879.69	93.942	1.0000
1390	76000	131217.8	-55217.79	72.655	1.0000
1393	40000	88691.51	-48691.51	121.729	1.0000
1394	49000	42257.71	6742.284	13.760	1.0000
1395	150000	90208.42	59791.57	39.861	1.0000
1396	230000	178068.5	51931.55	22.579	1.0000
1398	300000	88435.09	211564.9	70.522	0.3491
1399	35000	74250.13	-39250.13	112.143	1.0000
1400	132000	156623.8	-24623.85	18.654	1.0000
1401	88000	56874.14	31125.86	35.370	1.0000
1402	82000	36455.7	45544.3	55.542	1.0000
1403	325000	84881.36	240118.6	73.883	0.3076
1404	50000	64780.5	-14780.5	29.561	1.0000
1405	175000	86711.16	88288.84	50.451	0.8367
1406	250000	79960.3	170039.7	68.016	0.4344
1407	200000	108447.5	91552.48	45.776	0.8068
1408	177500	113455.6	64044.36	36.081	1.0000
1409	30000	69427.94	-39427.94	131.426	1.0000
1410	35000	71332.23	-36332.22	103.806	1.0000
1411	235000	118817.6	116182.4	49.439	0.6358
1412	105000	232412.3	-127412.3	121.345	0.5797
1413	63000	51748.27	11251.74	17.860	1.0000
1414	130000	87404.44	42595.56	32.766	1.0000
1415	20000	32141.11	-12141.11	60.706	1.0000
1416	40000	128026.6	-88026.65	220.067	0.8391
1417	100000	74780.51	25219.49	25.219	1.0000
1418	110000	57611.73	52388.27	47.626	1.0000
1419	140000	201541.3	-61541.33	43.958	1.0000
1420	120000	124874.5	-4874.481	4.062	1.0000
1421	80000	83161.92	-3161.921	3.952	1.0000
1424	189000	117727.2	71272.78	37.710	1.0000
1425	110000	58560.97	51439.03	46.763	1.0000
1426	100000	74524.43	25475.57	25.476	1.0000
1427	13000	45193.63	-32193.63	247.643	1.0000
1428	95000	60521.84	34478.16	36.293	1.0000
1429	190000	109910.5	80089.52	42.152	0.9223
1430	197500	98928.89	98571.11	49.909	0.7494
1431	18950	40567.5	-21617.5	114.076	1.0000
1432	85000	161112.4	-76112.36	89.544	0.9705
1433	98000	150460.8	-52460.8	53.531	1.0000
1434	127500	70663.54	56836.46	44.578	1.0000
1435	75000	40032.23	34967.77	46.624	1.0000
1437	125000	88659.85	36340.15	29.072	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
1438	60000	77165.77	-17165.78	28.610	1.0000
1439	60000	87637.5	-27637.5	46.063	1.0000
1440	80000	96870.16	-16870.16	21.088	1.0000
1441	40000	54051.15	-14051.15	35.128	1.0000
1442	142000	105642.8	36357.16	25.604	1.0000
1443	255000	107196.2	147803.8	57.962	0.4998
1444	160000	130215.2	29784.85	18.616	1.0000
1445	800000	41890.77	758109.3	94.764	0.0974
1446	315000	150652.4	164347.6	52.174	0.4495
1447	240000	134624.9	105375.1	43.906	0.7010
1448	195000	138247.8	56752.2	29.104	1.0000
1449	320000	118825.3	201174.7	62.867	0.3672
1450	275000	124047.3	150952.8	54.892	0.4893
1451	120000	110634.6	9365.383	7.804	1.0000
1452	92000	82582.2	9417.806	10.237	1.0000
1453	162000	113658.8	48341.22	29.840	1.0000
1454	180000	112530	67469.98	37.483	1.0000
1455	42000	89243.97	-47243.97	112.486	1.0000
1456	120000	68142.8	51857.2	43.214	1.0000
1457	80000	67516.96	12483.04	15.604	1.0000
1458	85000	69904.7	15095.3	17.759	1.0000
1459	115000	88772.7	26227.3	22.806	1.0000
1460	34000	121483	-87483.04	257.303	0.8444
1461	160000	114458.4	45541.62	28.464	1.0000
1462	329000	118276.3	210723.7	64.050	0.3505
1463	80000	78292.2	1707.8	2.135	1.0000
1464	80000	52336.49	27663.51	34.579	1.0000
1466	63700	73003.05	-9303.046	14.604	1.0000
1467	155000	111763.6	43236.37	27.894	1.0000
1468	285000	77822.98	207177	72.694	0.3565
1469	110000	128044.8	-18044.8	16.404	1.0000
1470	185000	144212.1	40787.87	22.047	1.0000
1471	75000	136946.7	-61946.66	82.596	1.0000
1472	580000	138630.9	441369.1	76.098	0.1674
1473	75000	96040.04	-21040.04	28.053	1.0000
1474	360000	140982.7	219017.3	60.838	0.3373
1475	139000	60542.05	78457.95	56.445	0.9415
1476	220000	103989.3	116010.7	52.732	0.6367
1477	125000	74052.63	50947.37	40.758	1.0000
1478	50000	87394.34	-37394.34	74.789	1.0000
1479	170000	85891.66	84108.34	49.475	0.8782
1480	90500	81878.21	8621.788	9.527	1.0000
1481	23000	87449.05	-64449.05	280.213	1.0000
1482	35000	76280.21	-41280.21	117.943	1.0000
1483	78000	94162.45	-16162.44	20.721	1.0000
1484	75000	69456.81	5543.19	7.391	1.0000
1485	165000	78947.02	86052.98	52.153	0.8584

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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
1487	115000	82849.11	32150.89	27.957	1.0000
1488	64000	70860.27	-6860.27	10.719	1.0000
1489	310000	120480.9	189519.1	61.135	0.3898
1490	240000	79328.51	160671.5	66.946	0.4597
1491	70000	53403.9	16596.1	23.709	1.0000
1492	110000	107435.7	2564.306	2.331	1.0000
1493	115000	122023.4	-7023.398	6.107	1.0000
1494	210000	140549.4	69450.58	33.072	1.0000
1495	220000	101667.7	118332.3	53.787	0.6242
1496	90000	55600.55	34399.45	38.222	1.0000
1497	300000	143894.3	156105.7	52.035	0.4732
1498	145000	148222	-3222.007	2.222	1.0000
1499	32000	71859.43	-39859.43	124.561	1.0000
1500	40000	75282.4	-35282.4	88.206	1.0000
1501	93000	78205.7	14794.3	15.908	1.0000
1502	100000	98776.54	1223.462	1.223	1.0000
1503	149000	148942	58.01651	0.039	1.0000
1504	185000	80082.88	104917.1	56.712	0.7041
1505	330000	67743.84	262256.2	79.472	0.2817
1506	85000	50014.77	34985.23	41.159	1.0000
1507	315000	136453.5	178546.5	56.681	0.4137
1508	150000	133515.9	16484.11	10.989	1.0000
1511	225000	113442.4	111557.6	49.581	0.6621
1512	765000	79301.38	685698.6	89.634	0.1077
1513	205000	141370.6	63629.38	31.039	1.0000
1514	70000	79895.57	-9895.568	14.137	1.0000
1515	292000	116711.8	175288.2	60.030	0.4214
1516	95000	76695.38	18304.62	19.268	1.0000
1517	150000	62034.06	87965.94	58.644	0.8397
1518	133000	154142.4	-21142.36	15.897	1.0000
1519	140000	79299.28	60700.72	43.358	1.0000
1520	40000	109685.7	-69685.7	174.214	1.0000
1522	110000	71859.29	38140.71	34.673	1.0000
1523	54000	81189.59	-27189.59	50.351	1.0000
1525	47000	45282.24	1717.757	3.655	1.0000
1526	118000	74396.03	43603.97	36.953	1.0000
1527	23000	43419.11	-20419.11	88.779	1.0000
1528	250000	111373.9	138626	55.450	0.5329
1529	74000	85754.27	-11754.27	15.884	1.0000
1530	190000	66374.32	123625.7	65.066	0.5975
1531	30500	67344.4	-36844.4	120.801	1.0000
1532	205500	53025.97	152474	74.197	0.4845
1533	260000	45328.84	214671.2	82.566	0.3441
1534	98000	90113.41	7886.586	8.048	1.0000
1535	185000	67731.71	117268.3	63.388	0.6299
1536	120000	56540.44	63459.56	52.883	1.0000
1537	440000	136228.1	303771.9	69.039	0.2432

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1538	140000	149957.7	-9957.732	7.113	1.0000
1539	170000	89612.05	80387.95	47.287	0.9189
1540	160000	114105.5	45894.52	28.684	1.0000
1541	150000	179990.1	-29990.1	19.993	1.0000
1542	185000	132734.6	52265.39	28.252	1.0000
1545	91000	40148.14	50851.86	55.881	1.0000
1546	255000	88086.14	166913.9	65.456	0.4425
1547	50000	89772.26	-39772.26	79.545	1.0000
1548	475000	130798.8	344201.3	72.463	0.2146
1549	120000	65805.01	54195	45.162	1.0000
1550	140000	66022.24	73977.76	52.841	0.9985
1551	300000	129618.4	170381.6	56.794	0.4335
1552	130000	93899.44	36100.56	27.770	1.0000
1553	117500	60114.53	57385.47	48.839	1.0000
1554	265000	119763.4	145236.6	54.806	0.5086
1555	45000	93715.09	-48715.09	108.256	1.0000
1556	60000	123700.4	-63700.38	106.167	1.0000
1557	63000	88247.94	-25247.94	40.076	1.0000
1558	75000	89312.17	-14312.17	19.083	1.0000
1560	190000	100814.4	89185.56	46.940	0.8282
1561	83500	68385.68	15114.32	18.101	1.0000
1562	340000	92775.17	247224.8	72.713	0.2988
1563	73000	59225.15	13774.85	18.870	1.0000
1564	93000	90806.38	2193.625	2.359	1.0000
1565	100000	111939.9	-11939.89	11.940	1.0000
1566	390000	165675.3	224324.7	57.519	0.3293
1567	40000	6884.951	33115.05	82.788	1.0000
1568	455000	145974.9	309025.2	67.918	0.2390
1569	145000	109840	35159.95	24.248	1.0000
1570	180000	129801.6	50198.37	27.888	1.0000
1571	210000	119252.4	90747.65	43.213	0.8140
1572	1200000	79793.4	1120207	93.351	0.0659
1573	270000	91319.11	178680.9	66.178	0.4134
1574	40000	95562.26	-55562.26	138.906	1.0000
1576	126000	99094.71	26905.29	21.353	1.0000
1577	89000	63430.09	25569.91	28.730	1.0000
1578	175000	85096.33	89903.67	51.374	0.8216
1579	188000	73178.87	114821.1	61.075	0.6433
1580	80000	67160.8	12839.2	16.049	1.0000
1581	220000	93872.65	126127.4	57.331	0.5857
1582	30000	72050.52	-42050.52	140.168	1.0000
1583	315000	87552.77	227447.2	72.205	0.3248
1584	150000	99779.89	50220.11	33.480	1.0000
1585	77000	136497.5	-59497.52	77.270	1.0000
1586	249400	117331.7	132068.3	52.954	0.5593
1587	90000	26734.15	63265.85	70.295	1.0000
1588	295000	123242	171758	58.223	0.4301

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1590	345000	86259.03	258741	74.997	0.2855
1591	45500	56115.62	-10615.62	23.331	1.0000
1592	50365	111565.6	-61200.63	121.514	1.0000
1593	70000	87283.99	-17283.99	24.691	1.0000
1594	150000	109889	40110.95	26.741	1.0000
1595	48000	69991.23	-21991.23	45.815	1.0000
1596	355000	81388.2	273611.8	77.074	0.2700
1597	100000	64555.45	35444.55	35.445	1.0000
1598	95000	94819.32	180.6804	0.190	1.0000
1600	35000	118668.2	-83668.22	239.052	0.8829
1601	210000	87135.68	122864.3	58.507	0.6012
1602	330000	125046	204954	62.107	0.3604
1604	32500	76910.29	-44410.29	136.647	1.0000
1605	60000	69327.07	-9327.07	15.545	1.0000
1606	75000	61816.1	13183.9	17.579	1.0000
1608	205000	75112.8	129887.2	63.360	0.5687
1609	37000	59652.98	-22652.98	61.224	1.0000
1610	180000	85904	94096	52.276	0.7850
1611	350000	93980.63	256019.4	73.148	0.2885
1612	35000	137459	-102459	292.740	0.7209
1613	80000	59539.79	20460.22	25.575	1.0000
1614	78000	72259.47	5740.528	7.360	1.0000
1615	40000	74526.67	-34526.68	86.317	1.0000
1616	650000	78128.95	571871.1	87.980	0.1292
1618	335000	101797.2	233202.8	69.613	0.3167
1620	106500	104609	1891.034	1.776	1.0000
1621	115000	87363.94	27636.06	24.031	1.0000
1622	183000	91542.17	91457.83	49.977	0.8077
1623	129500	49063.71	80436.29	62.113	0.9183
1624	210000	139313.3	70686.68	33.660	1.0000
1626	65000	49998.31	15001.69	23.080	1.0000
1627	44000	87065.36	-43065.36	97.876	1.0000
1628	116000	106700.9	9299.139	8.016	1.0000
1629	270000	47767.81	222232.2	82.308	0.3324
1630	335000	157780.8	177219.2	52.901	0.4168
1632	240000	166185.2	73814.82	30.756	1.0000
1633	55000	99967.95	-44967.95	81.760	1.0000
1634	175000	130140.5	44859.53	25.634	1.0000
1635	170000	168706.2	1293.766	0.761	1.0000
1636	95000	79455.07	15544.93	16.363	1.0000
1637	360000	94839.63	265160.4	73.656	0.2786
1638	259000	90787.34	168212.7	64.947	0.4391
1640	250000	65949.05	184051	73.620	0.4013
1641	120000	119873.7	126.2989	0.105	1.0000
1642	45000	89247.55	-44247.54	98.328	1.0000
1643	210000	126800.6	83199.36	39.619	0.8878
1645	95000	60197.7	34802.3	36.634	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1646	140000	90446.93	49553.07	35.395	1.0000
1647	41000	80280.61	-39280.61	95.806	1.0000
1648	136000	86561.08	49438.92	36.352	1.0000
1649	237500	148763	88737.02	37.363	0.8324
1650	58000	98533.39	-40533.39	69.885	1.0000
1652	220000	115077.6	104922.4	47.692	0.7040
1653	48000	88163.11	-40163.11	83.673	1.0000
1654	75000	72524.5	2475.497	3.301	1.0000
1655	385000	154864	230136	59.776	0.3210
1656	160000	153707.8	6292.213	3.933	1.0000
1657	83000	101414.5	-18414.49	22.186	1.0000
1658	630000	108516.2	521483.8	82.775	0.1416
1659	248000	122454.9	125545.1	50.623	0.5884
1660	80000	46105.32	33894.68	42.368	1.0000
1661	148000	119132	28867.97	19.505	1.0000
1662	190000	92099.22	97900.78	51.527	0.7545
1663	52175	73626.21	-21451.21	41.114	1.0000
1665	70000	121705.5	-51705.45	73.865	1.0000
1666	200000	82215.44	117784.6	58.892	0.6271
1667	295000	95050.53	199949.5	67.779	0.3694
1668	307500	117480.5	190019.5	61.795	0.3887
1669	75000	78724.3	-3724.302	4.966	1.0000
1671	117000	59490.21	57509.79	49.154	1.0000
1672	355000	137381.3	217618.7	61.301	0.3394
1673	140000	84679.59	55320.42	39.515	1.0000
1674	288500	133000.2	155499.8	53.899	0.4750
1675	315000	147683.6	167316.4	53.116	0.4415
1676	29000	54048.8	-25048.8	86.375	1.0000
1678	52000	56706.85	-4706.849	9.052	1.0000
1679	165000	66159.27	98840.73	59.903	0.7473
1680	240000	166828.1	73171.87	30.488	1.0000
1681	92000	56815.8	35184.2	38.244	1.0000
1682	138000	34921.02	103079	74.695	0.7166
1683	157500	89032.7	68467.3	43.471	1.0000
1684	60000	69404.05	-9404.044	15.673	1.0000
1685	35000	76722.21	-41722.21	119.206	1.0000
1686	215000	149117.3	65882.7	30.643	1.0000
1687	220000	128425.3	91574.7	41.625	0.8066
1688	160000	65899.22	94100.78	58.813	0.7850
1689	100000	113359.3	-13359.32	13.359	1.0000
1690	258000	87698.66	170301.3	66.008	0.4337
1691	428000	109834.8	318165.2	74.338	0.2322
1692	325000	137416	187584	57.718	0.3938
1693	37000	34456.99	2543.009	6.873	1.0000
1694	94000	81057.2	12942.8	13.769	1.0000
1695	100000	98448.83	1551.172	1.551	1.0000
1696	50000	59018.34	-9018.335	18.037	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1697	185000	112555.9	72444.13	39.159	1.0000
1698	135000	106313	28686.97	21.250	1.0000
1699	230000	91060.29	138939.7	60.409	0.5316
1700	130000	99534.34	30465.66	23.435	1.0000
1701	65000	109672	-44671.95	68.726	1.0000
1702	60000	90289.14	-30289.14	50.482	1.0000
1703	85000	37936.99	47063.01	55.368	1.0000
1704	15000	82837.08	-67837.08	452.247	1.0000
1705	165000	82045.2	82954.8	50.276	0.8904
1706	180000	90757.02	89242.98	49.579	0.8277
1707	187000	111871.4	75128.56	40.176	0.9832
1708	90000	69916.79	20083.21	22.315	1.0000
1709	285000	57324.56	227675.4	79.886	0.3244
1710	80000	24331.92	55668.08	69.585	1.0000
1711	90000	66784.06	23215.94	25.795	1.0000
1712	205000	77165.77	127834.2	62.358	0.5778
1713	49000	84891.63	-35891.63	73.248	1.0000
1715	42500	83561.74	-41061.74	96.616	1.0000
1716	83000	93877.47	-10877.46	13.105	1.0000
1717	228000	99860.95	128139.1	56.201	0.5765
1719	95000	97361.38	-2361.373	2.486	1.0000
1720	230000	84649.91	145350.1	63.196	0.5082
1722	62000	67773.24	-5773.246	9.312	1.0000
1723	195000	67265.48	127734.5	65.505	0.5783
1724	54000	61608.42	-7608.418	14.090	1.0000
1725	35000	73581.98	-38581.98	110.234	1.0000
1726	372200	106225.3	265974.7	71.460	0.2777
1727	100000	112656.2	-12656.23	12.656	1.0000
1728	345000	171207	173793	50.375	0.4250
1729	205000	102608.9	102391.1	49.947	0.7214
1730	110000	57223.97	52776.03	47.978	1.0000
1731	84000	50825	33175	39.494	1.0000
1732	260000	115207.8	144792.2	55.689	0.5102
1733	255000	146794.2	108205.8	42.434	0.6827
1734	105000	93074.35	11925.65	11.358	1.0000
1735	115000	83915.68	31084.32	27.030	1.0000
1737	15000	127190.4	-112190.4	747.936	0.6584
1738	145000	42458.78	102541.2	70.718	0.7204
1739	110000	82583.38	27416.63	24.924	1.0000
1740	100000	95084.1	4915.9	4.916	1.0000
1741	64000	54722.51	9277.488	14.496	1.0000
1742	285000	122562	162438	56.996	0.4547
1743	80000	62617.99	17382.01	21.728	1.0000
1744	55000	118159	-63159.04	114.835	1.0000
1745	50000	65524.71	-15524.71	31.049	1.0000
1747	135000	108630.6	26369.38	19.533	1.0000
1748	160000	90289.38	69710.63	43.569	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1749	45000	68706.37	-23706.37	52.681	1.0000
1750	260000	121735.6	138264.4	53.179	0.5342
1751	80050	146816.6	-66766.59	83.406	1.0000
1752	205000	129698.8	75301.25	36.732	0.9810
1753	244000	90654.15	153345.8	62.847	0.4817
1754	287000	130096.8	156903.2	54.670	0.4708
1755	175000	122989.4	52010.59	29.720	1.0000
1756	58000	131349	-73348.95	126.464	1.0000
1757	135000	131407.6	3592.389	2.661	1.0000
1758	120000	118822.1	1177.887	0.982	1.0000
1759	270000	91290.66	178709.3	66.189	0.4133
1760	107000	81990.19	25009.81	23.374	1.0000
1761	110000	61383.05	48616.95	44.197	1.0000
1762	30000	80362.11	-50362.11	167.874	1.0000
1763	182000	147219.5	34780.49	19.110	1.0000
1764	107000	39551.86	67448.14	63.036	1.0000
1765	80000	119234.8	-39234.76	49.043	1.0000
1766	70000	86527.8	-16527.8	23.611	1.0000
1768	220000	95335.33	124664.7	56.666	0.5925
1770	210000	118140	91860	43.743	0.8041
1771	225000	72301.86	152698.1	67.866	0.4837
1772	65000	77809.1	-12809.1	19.706	1.0000
1773	235000	121560.4	113439.6	48.272	0.6512
1774	37500	75344.72	-37844.72	100.919	1.0000
1775	247500	141437.7	106062.3	42.853	0.6964
1776	47000	91095.43	-44095.43	93.820	1.0000
1777	260000	122163.8	137836.3	53.014	0.5359
1778	117000	108764.1	8235.936	7.039	1.0000
1779	55000	34037.33	20962.67	38.114	1.0000
1780	63000	47672.9	15327.1	24.329	1.0000
1781	55000	68873.06	-13873.06	25.224	1.0000
1782	195000	125177.2	69822.76	35.807	1.0000
1783	465000	192121.3	272878.7	58.684	0.2707
1784	140000	76888.33	63111.67	45.080	1.0000
1785	150000	94158.19	55841.81	37.228	1.0000
1786	240000	93538.28	146461.7	61.026	0.5043
1787	120000	78885.48	41114.52	34.262	1.0000
1788	175000	71168.56	103831.4	59.332	0.7114
1789	280000	114217.8	165782.2	59.208	0.4456
1790	49500	95457.63	-45957.62	92.844	1.0000
1791	89000	74236.27	14763.73	16.588	1.0000
1792	150000	56868.54	93131.46	62.088	0.7931
1793	170000	40144.27	129855.7	76.386	0.5688
1794	100000	112429.4	-12429.37	12.429	1.0000
1795	73500	60044.79	13455.21	18.306	1.0000
1796	150000	97276.43	52723.57	35.149	1.0000
1797	95000	122277.8	-27277.83	28.714	1.0000

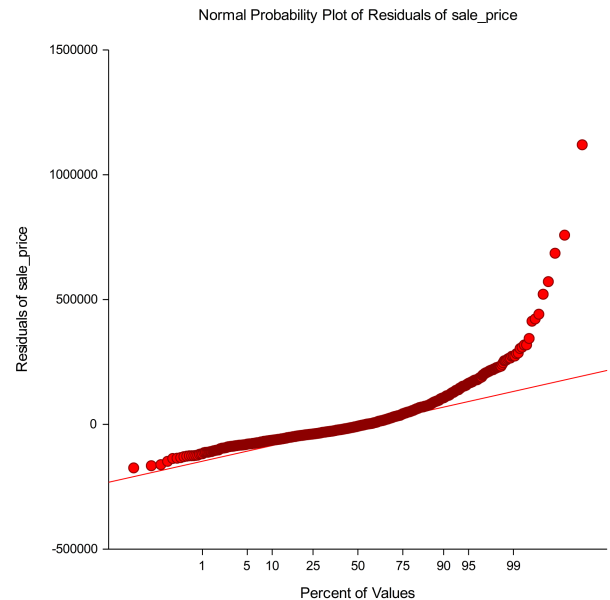
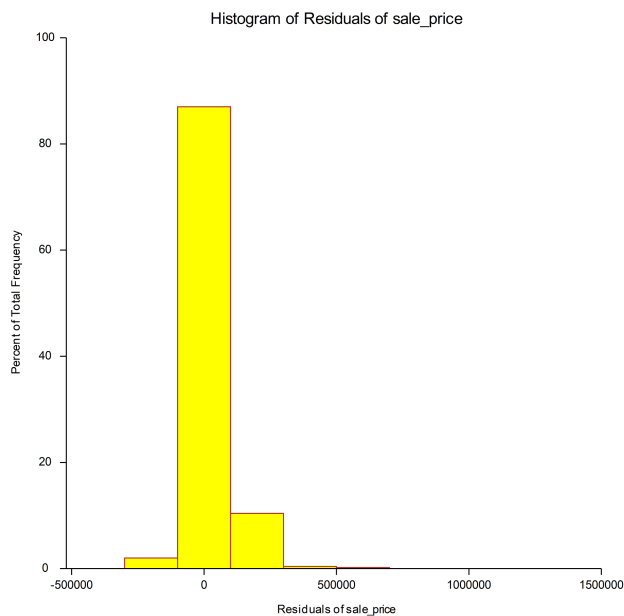
Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Robust Residuals and Weights (Continued)

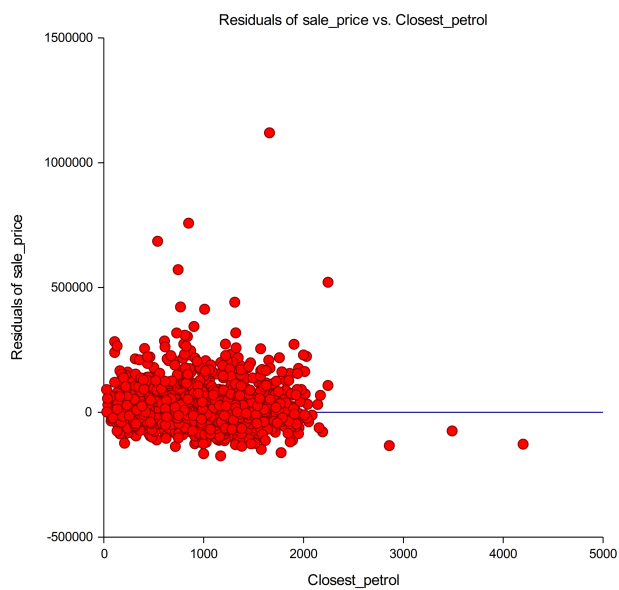
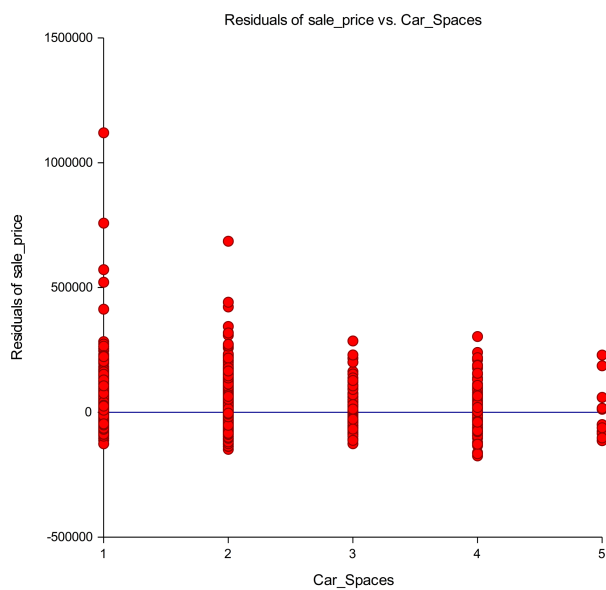
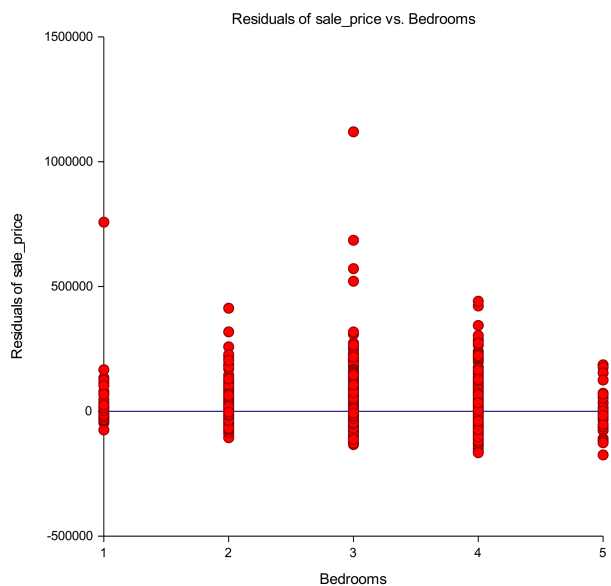
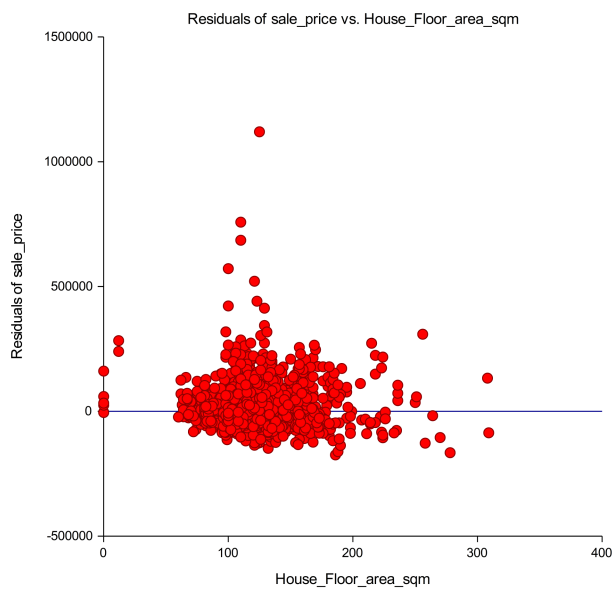
Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1798	85000	76090.52	8909.48	10.482	1.0000
1799	80000	51408.84	28591.16	35.739	1.0000
1800	59000	76607.38	-17607.38	29.843	1.0000
1801	282500	78226.27	204273.7	72.309	0.3616
1802	50000	24769.66	25230.34	50.461	1.0000
1805	245000	117208.8	127791.2	52.160	0.5780
1806	175000	98879.98	76120.02	43.497	0.9704
1808	500000	86589.57	413410.4	82.682	0.1787
1809	320000	96568.98	223431	69.822	0.3306
1810	215000	108569.8	106430.2	49.502	0.6940
1812	122200	58330.66	63869.34	52.266	1.0000
1813	104000	110807.6	-6807.637	6.546	1.0000
1814	115000	95457.24	19542.76	16.994	1.0000
1815	84500	87752.29	-3252.292	3.849	1.0000

Distributional Plots of Residuals



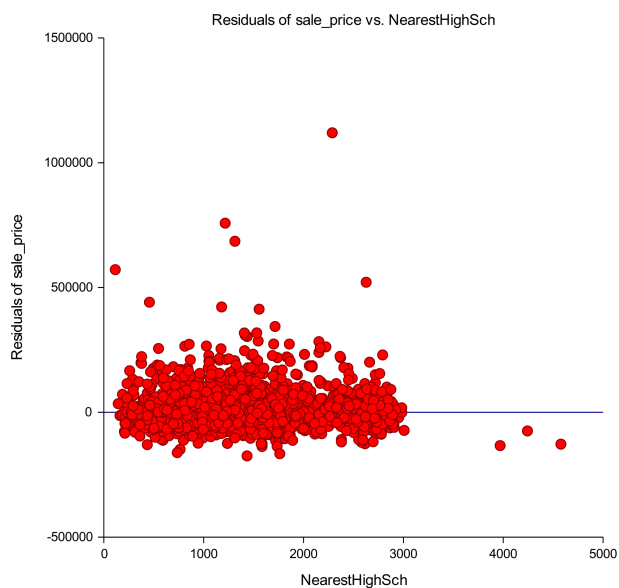
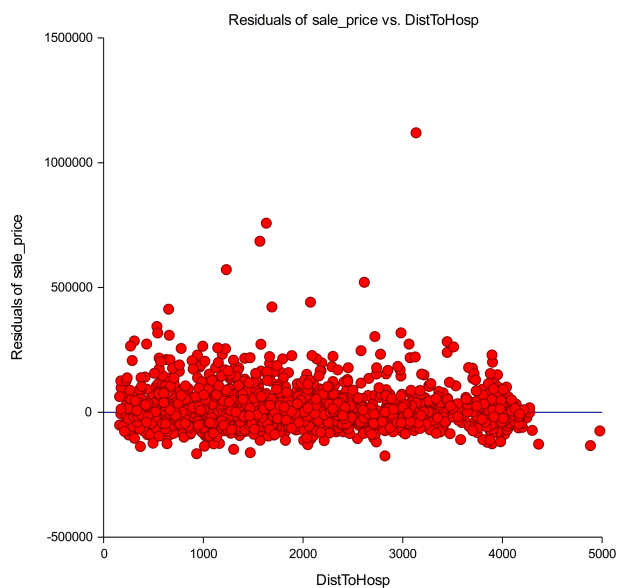
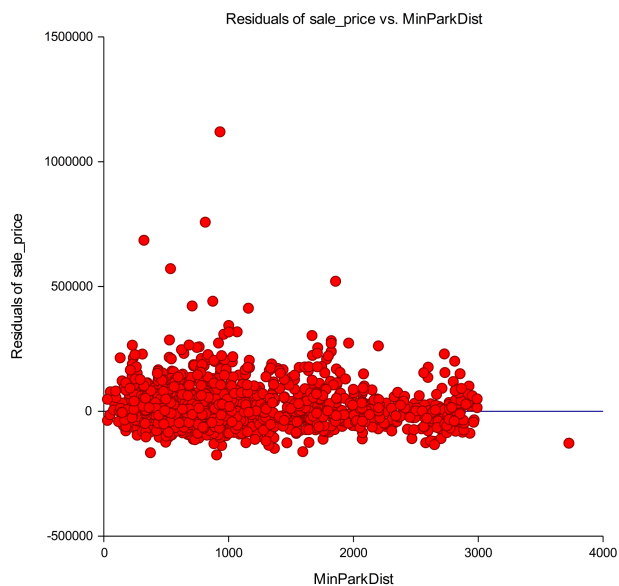
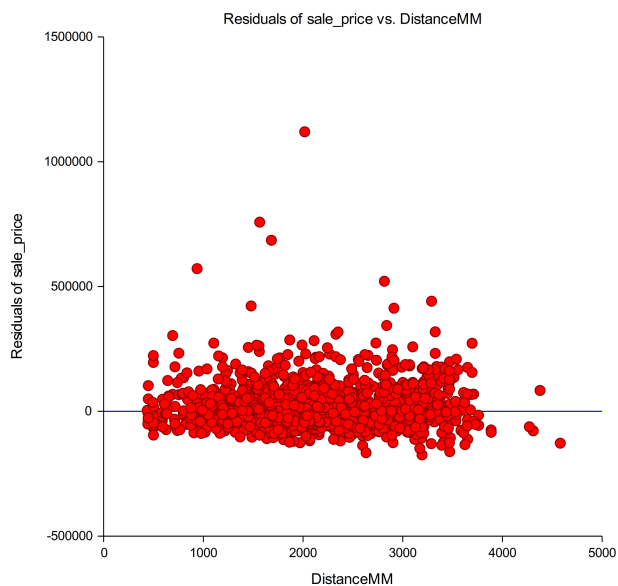
Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
Dependent sale_price

Residuals vs X Plots

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalData12Sep2022.xlsx
Dependent sale_price

Residuals vs X Plots (Continued)

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Procedure Input Settings**Autosaved Template File**

C:\Users\Dr_Ia\Documents\NCSS 2022\Procedure Templates\Autosave\Robust Regression - Autosaved
 2022_9_13-13_23_53.t158

Variables, Model Tab

-- Variables -----
 Y: sale_price
 Numeric X's: House_Floor_area_sqm, Bedrooms, Car_Spaces,
 Closest_petrol, DistanceMM, MinParkDist,
 DistToHosp, NearestHighSch
 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

.. 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

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

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

.. 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	Unchecked
ANOVA Detail	Unchecked
.. Assumptions	
PRESS Statistics	Unchecked
Normality Tests	Unchecked
Durbin-Watson	Unchecked
.. X Diagnostics	
R ²	Unchecked
Variable Omission	Unchecked
Sum of Squares	Unchecked
Sequential Models	Unchecked
Multicollinearity	Unchecked
.. Eigenvalues	
Eigenvalues - Centered	Unchecked
Eigenvectors - Centered	Unchecked
Eigenvalues - Uncentered	Unchecked
Eigenvectors - Uncentered	Unchecked
.. 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 ≥	40

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Procedure Input Settings (Continued)**Report Options Tab (Continued)**

-- Decimal Places -----	
Precision:	Single
Reg Coefficients:	All
Std Error of b's:	All
Test Statistics:	3
Probabilities:	4
Percentages:	3
Means:	All
Std Deviations:	All
R ² , Correlations, Standardized Coef's:	4
Mean Squares, Sum of Squares:	All
Y's, Residuals, etc.:	All
Std Error of Y:	All
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
.. Bootstrap Histograms	
Coefficient C.I.'s	Checked

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalData12Sep2022.xlsx
 Dependent sale_price

Procedure Input Settings (Continued)**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