

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Run Summary Report

Item	Value	Rows	Value
Dependent Variable	sale_price	Number Processed	1816
Number Ind. Variables	23	Number Used in Estimation	900
Weight Variable	None	Number Filtered Out	0
Robust Method	Huber's Method	Number with X's Missing	916
Tuning Constant	1.345	Number with Weight Missing	0
MAD Scale Factor	0.6745	Number with Y Missing	0
		Sum of Robust Weights	841.406
Run Information	Value		
Iterations	17		
Max % Change in any Coef	0.000		
R ² after Robust Weighting	0.4301		
S using MAD	50911.78		
S using MSE	51536.28		
Completion Status	Warnings Issued		

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Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
Block_area_sqm	900	840.587	429.668	0	7224
House_area_sqm	900	143.341	21.833	0	200
House_Floor_area_sqm	900	121.483	24.856	0	264
Bedrooms	900	2.884	0.744	1	5
Bathrooms	900	1.145	0.377	1	3
Car_Spaces	900	1.623	0.870	1	5
DistanceMM	900	2076.470	703.082	442.898021	4376.363816
DistToRailwayStation	900	1866.296	994.455	34.29750731	4422.740784
DIST_PubPrimSch	900	1759.751	815.540	18.34186983	4352.216985
NearestHighSch	900	1458.982	666.077	161.1115651	4242.345503
Distance_to_AqCentre	900	3817.183	623.985	2333.537576	6563.688285
Distance_to_Clink	900	1758.703	712.475	31.20377581	4681.149451
Dist_to_CSUni	900	3296.063	1311.642	262.4151884	6214.538493
MinParkDist	900	1068.358	682.263	51.96188407	2966.492051
ComHealthCentre	900	2028.153	973.082	140.1193182	5697.608351
Closest_petrol	900	918.474	444.767	26.82141689	3487.565228
NearestFastFood	900	1271.766	680.712	55.31352241	3557.359195
NearestSGrocShop	900	1532.334	590.164	78.67747724	3299.31823
Dummy_2000	900	0.595	0.475	0	1
Dummy_2005	900	0.305	0.445	0	1
Dummy_2010	900	0.100	0.290	0	1
Dummy_2015	900	0.145	0.341	0	1
Dummy_2019	900	0.152	0.347	0	1
sale_price	900	89999.240	67389.759	3500	765000

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Robust Iterations - Coefficients

Robust Iteration	Max Percent Change in Coefficients	b(0)	b(1)	b(2)	b(3)
0		-377408.21699	9.64244	-70.28281	246.71653
1	1174.296	133813.68738	1.84252	-13.40973	289.93473
2	1194.880	-400046.03567	-0.70718	-4.30782	297.13471
3	142.272	139854.77078	-1.71330	-3.02527	300.72007
4	264.785	24292.69072	-2.03460	-2.82574	301.37175
5	169.391	65442.26171	-2.15257	-2.92225	301.15003
6	17793.893	-1544.85163	-2.17975	-2.88680	301.13937
7	2918.025	-46624.01136	-2.18690	-2.86810	301.12889
8	397.902	138893.92013	-2.18831	-2.85812	301.12792
9	0.163	138888.10220	-2.18854	-2.85419	301.12796
10	0.057	138885.88402	-2.18855	-2.85282	301.12805
11	0.020	138885.06563	-2.18854	-2.85237	301.12809
12	119.095	87253.50062	-2.18853	-2.85223	301.12812
13	833.059	156216.16579	-2.18852	-2.85219	301.12812
14	100.000	138884.63586	-2.18852	-2.85217	301.12813
15	88.221	100638.28676	-2.18852	-2.85217	301.12813
16	748.951	138884.62020	-2.18852	-2.85217	301.12813
17	0.000	138884.61892	-2.18852	-2.85217	301.12813

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Robust Iterations - Residuals

Robust Iteration	Max Percent Change in Coefficients	Percentiles of Absolute Residuals			
		25th	50th	75th	100th
0		17516.953	35731.122	65825.955	619023.366
1	1174.296	16227.712	36104.764	63334.627	634943.674
2	1194.880	15742.329	35491.252	62152.822	639841.148
3	142.272	15810.316	35068.626	61982.354	641521.210
4	264.785	15840.071	34929.148	62184.241	642151.911
5	169.391	15808.018	34862.342	62130.795	642419.943
6	17793.893	15820.386	34874.994	62141.120	642516.506
7	2918.025	15824.820	34880.397	62144.971	642550.983
8	397.902	15827.433	34883.069	62147.523	642562.674
9	0.163	15828.907	34884.098	62148.542	642566.533
10	0.057	15829.352	34884.469	62148.907	642567.784
11	0.020	15829.486	34884.598	62149.033	642568.184
12	119.095	15829.526	34884.642	62149.076	642568.311
13	833.059	15829.538	34884.657	62149.090	642568.351
14	100.000	15829.542	34884.661	62149.095	642568.364
15	88.221	15829.543	34884.663	62149.096	642568.367
16	748.951	15829.543	34884.663	62149.097	642568.369
17	0.000	15829.543	34884.664	62149.097	642568.369

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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	138884.61892	76849.845010	0.0000	1.807	0.0711	No
Block_area_sqm	-2.18852	4.618810	-0.0140	-0.474	0.6357	No
House_area_sqm	-2.85217	84.523496	-0.0009	-0.034	0.9731	No
House_Floor_area_sqm	301.12813	79.079686	0.1111	3.808	0.0001	Yes
Bedrooms	17585.09079	2605.887808	0.1941	6.748	0.0000	Yes
Bathrooms	1109.75984	4945.196229	0.0062	0.224	0.8225	No
Car_Spaces	11343.45989	2147.940447	0.1464	5.281	0.0000	Yes
DistanceMM	-3.42320	6.259852	-0.0357	-0.547	0.5846	No
DistToRailwayStation	-0.59618	15.310606	-0.0088	-0.039	0.9689	No
DIST_PubPrimSch	-11.44805	8.867387	-0.1385	-1.291	0.1970	No
NearestHighSch	-16.06793	7.054419	-0.1588	-2.278	0.0230	Yes
Distance_to_AqCentre	-60.13641	33.180687	-0.5568	-1.812	0.0703	No
Distance_to_Clink	59.84104	21.363400	0.6327	2.801	0.0052	Yes
Dist_to_CSUni	-0.71439	7.318937	-0.0139	-0.098	0.9223	No
MinParkDist	-3.47434	8.018157	-0.0352	-0.433	0.6649	No
ComHealthCentre	9.48908	8.849694	0.1370	1.072	0.2839	No
Closest_petrol	7.74072	6.140351	0.0511	1.261	0.2078	No
NearestFastFood	-18.68523	12.550367	-0.1887	-1.489	0.1369	No
NearestSGrocShop	38.62757	16.084325	0.3383	2.402	0.0165	Yes
Dummy_2000	-73204.79688	6568.226282	-0.5156	-11.145	0.0000	Yes
Dummy_2005	-43352.99216	6531.175889	-0.2865	-6.638	0.0000	Yes
Dummy_2010	0.00000	0.000000	0.0000	0.000	1.0000	No
Dummy_2015	73521.06173	5817.735584	0.3717	12.637	0.0000	Yes
Dummy_2019	84920.06483	5697.050704	0.4371	14.906	0.0000	Yes

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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	138884.61892	274067532579.752000	0.0000	0.000	1.0000	No
Block_area_sqm	-2.18852	4.393822	-0.0140	-0.498	0.6185	No
House_area_sqm	-2.85217	90.911712	-0.0009	-0.031	0.9750	No
House_Floor_area_sqm	301.12813	82.416618	0.1111	3.654	0.0003	Yes
Bedrooms	17585.09079	2764.964838	0.1941	6.360	0.0000	Yes
Bathrooms	1109.75984	5146.622477	0.0062	0.216	0.8293	No
Car_Spaces	11343.45989	2253.708126	0.1464	5.033	0.0000	Yes
DistanceMM	-3.42320	6.537533	-0.0357	-0.524	0.6007	No
DistToRailwayStation	-0.59618	15.914152	-0.0088	-0.037	0.9701	No
DIST_PubPrimSch	-11.44805	9.377653	-0.1385	-1.221	0.2225	No
NearestHighSch	-16.06793	7.377642	-0.1588	-2.178	0.0297	Yes
Distance_to_AqCentre	-60.13641	34.959695	-0.5568	-1.720	0.0858	No
Distance_to_Clink	59.84104	22.731783	0.6327	2.632	0.0086	Yes
Dist_to_CSUni	-0.71439	7.643369	-0.0139	-0.093	0.9256	No
MinParkDist	-3.47434	8.436467	-0.0352	-0.412	0.6806	No
ComHealthCentre	9.48908	9.214557	0.1370	1.030	0.3034	No
Closest_petrol	7.74072	6.525433	0.0511	1.186	0.2358	No
NearestFastFood	-18.68523	13.248870	-0.1887	-1.410	0.1588	No
NearestSGrocShop	38.62757	16.952020	0.3383	2.279	0.0229	Yes
Dummy_2000	-73204.79688	274067532579.739000	-0.5156	0.000	1.0000	No
Dummy_2005	-43352.99216	274067532579.739000	-0.2865	0.000	1.0000	No
Dummy_2010	0.00000	274067532579.739000	0.0000	0.000	1.0000	No
Dummy_2015	73521.06173	6165.758580	0.3717	11.924	0.0000	Yes
Dummy_2019	84920.06483	5929.898961	0.4371	14.321	0.0000	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	138884.61892	76849.845010	-11738.30952	289507.54736
Block_area_sqm	-2.18852	4.618810	-11.24122	6.86418
House_area_sqm	-2.85217	84.523496	-168.51518	162.81084
House_Floor_area_sqm	301.12813	79.079686	146.13479	456.12147
Bedrooms	17585.09079	2605.887808	12477.64454	22692.53704
Bathrooms	1109.75984	4945.196229	-8582.64667	10802.16635
Car_Spaces	11343.45989	2147.940447	7133.57398	15553.34581
DistanceMM	-3.42320	6.259852	-15.69228	8.84589
DistToRailwayStation	-0.59618	15.310606	-30.60442	29.41206
DIST_PubPrimSch	-11.44805	8.867387	-28.82780	5.93171
NearestHighSch	-16.06793	7.054419	-29.89434	-2.24153
Distance_to_AqCentre	-60.13641	33.180687	-125.16936	4.89654
Distance_to_Clink	59.84104	21.363400	17.96955	101.71254
Dist_to_CSUni	-0.71439	7.318937	-15.05925	13.63046
MinParkDist	-3.47434	8.018157	-19.18964	12.24096
ComHealthCentre	9.48908	8.849694	-7.85600	26.83416
Closest_petrol	7.74072	6.140351	-4.29414	19.77559
NearestFastFood	-18.68523	12.550367	-43.28350	5.91303
NearestSGrocShop	38.62757	16.084325	7.10288	70.15227
Dummy_2000	-73204.79688	6568.226282	-86078.28384	-60331.30992
Dummy_2005	-43352.99216	6531.175889	-56153.86168	-30552.12264
Dummy_2010	0.00000	0.000000		
Dummy_2015	73521.06173	5817.735584	62118.50951	84923.61395
Dummy_2019	84920.06483	5697.050704	73754.05063	96086.07903

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	138884.61892	274067532579.752000	-537162354317.48700	537162632086.72500
Block_area_sqm	-2.18852	4.393822	-10.80025	6.42321
House_area_sqm	-2.85217	90.911712	-181.03585	175.33151
House_Floor_area_sqm	301.12813	82.416618	139.59453	462.66173
Bedrooms	17585.09079	2764.964838	12165.85929	23004.32229
Bathrooms	1109.75984	5146.622477	-8977.43486	11196.95454
Car_Spaces	11343.45989	2253.708126	6926.27313	15760.64665
DistanceMM	-3.42320	6.537533	-16.23653	9.39013
DistToRailwayStation	-0.59618	15.914152	-31.78735	30.59498
DIST_PubPrimSch	-11.44805	9.377653	-29.82791	6.93182
NearestHighSch	-16.06793	7.377642	-30.52785	-1.60802
Distance_to_AqCentre	-60.13641	34.959695	-128.65616	8.38333
Distance_to_Clink	59.84104	22.731783	15.28757	104.39452
Dist_to_CSUni	-0.71439	7.643369	-15.69512	14.26633
MinParkDist	-3.47434	8.436467	-20.00951	13.06083
ComHealthCentre	9.48908	9.214557	-8.57112	27.54928
Closest_petrol	7.74072	6.525433	-5.04889	20.53034
NearestFastFood	-18.68523	13.248870	-44.65254	7.28208
NearestSGrocShop	38.62757	16.952020	5.40222	71.85292
Dummy_2000	-73204.79688	274067532579.739000	-537162566406.87600	537162419997.28200
Dummy_2005	-43352.99216	274067532579.739000	-537162536555.07100	537162449849.08700
Dummy_2010	0.00000	274067532579.739000		
Dummy_2015	73521.06173	6165.758580	61436.39698	85605.72649
Dummy_2019	84920.06483	5929.898961	73297.67643	96542.45322

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

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Estimated Equation

sale_price =
 138884.618921601 - 2.18852129186543 * Block_area_sqm - 2.85216795640579 * House_area_sqm +
 301.128130193596 * House_Floor_area_sqm + 17585.09079258 * Bedrooms + 1109.75984047938 * Bathrooms
 + 11343.4598915855 * Car_Spaces - 3.42319817763533 * DistanceMM - 0.596181609555667 *
 DistToRailwayStation - 11.4480461547008 * DIST_PubPrimSch - 16.0679339508068 * NearestHighSch -
 60.136413562066 * Distance_to_AqCentre + 59.8410406984153 * Distance_to_Clink - 0.714392784511264 *
 Dist_to_CSUni - 3.47434040738835 * MinParkDist + 9.48907697623732 * ComHealthCentre +
 7.74072200855659 * Closest_petrol - 18.6852324796811 * NearestFastFood + 38.6275740313641 *
 NearestSGrocShop - 73204.7968793753 * Dummy_2000 - 43352.9921637157 * Dummy_2005 + 0 *
 Dummy_2010 + 73521.0617315038 * Dummy_2015 + 84920.0648266291 * Dummy_2019

Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level
Intercept	1		6815272227244.78	6815272227244.78		
Model	23	0.4301	1756054563429.32	76350198409.97	28.746	0.0000
Error	876	0.5699	2326645767360.98	2655988318.91		
Total(Adjusted)	899	1.0000	4082700330790.29	4541379678.30		

PRESS Report

Parameter	From PRESS Residuals	From Regular Residuals
Sum of Squared Residuals	4429207558148.84	2326645767360.98
Sum of Residuals	43236969.71	42207594.27
R ²	0.0000	0.4301

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Normality Tests

Test Name	Test Statistic to Test H0: Normal	Prob Level	Reject H0 at 20%?
Shapiro Wilk	0.865	0.0000	Yes
Anderson Darling	18.498	0.0000	Yes
D'Agostino Skewness	18.827	0.0000	Yes
D'Agostino Kurtosis	14.101	0.0000	Yes
D'Agostino Omnibus	553.299	0.0000	Yes

Serial Correlation of Residuals

Lag	Serial Correlation	Lag	Serial Correlation	Lag	Serial Correlation
1	0.0578	9	0.0710	17	-0.0298
2	-0.0009	10	0.1943	18	0.0610
3	0.0262	11	0.0316	19	0.0819
4	-0.0396	12	-0.0037	20	-0.0140
5	-0.0287	13	-0.0353	21	0.0063
6	-0.0643	14	0.0193	22	-0.0663
7	-0.0381	15	0.0350	23	-0.0338
8	0.0327	16	0.0352	24	0.0102

Above serial correlations are significant if their absolute values are greater than 0.0667.

Durbin-Watson Test For Serial Correlation

Parameter	Test Statistic to Test H0: $\rho(1) = 0$?	Reject H0 at 20%?
Durbin-Watson Value	1.884	
Prob. Level: Positive Serial Correlation	0.0000	Yes
Prob. Level: Negative Serial Correlation	0.0000	Yes

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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
Block_area_sqm	0.0158	0.0158	0.0001	0.0158	0.0003
House_area_sqm	0.0277	0.0119	0.0000	0.0150	0.0000
House_Floor_area_sqm	0.0743	0.0466	0.0094	0.0693	0.0163
Bedrooms	0.1330	0.0587	0.0296	0.0888	0.0494
Bathrooms	0.1335	0.0005	0.0000	0.0149	0.0001
Car_Spaces	0.1630	0.0295	0.0181	0.0763	0.0309
DistanceMM	0.1778	0.0148	0.0002	0.0398	0.0003
DistToRailwayStation	0.1821	0.0044	0.0000	0.0018	0.0000
DIST_PubPrimSch	0.1845	0.0023	0.0011	0.0138	0.0019
NearestHighSch	0.1865	0.0020	0.0034	0.0014	0.0059
Distance_to_AqCentre	0.1915	0.0050	0.0021	0.0066	0.0037
Distance_to_Clink	0.1970	0.0055	0.0051	0.0035	0.0089
Dist_to_CSUni	0.1972	0.0003	0.0000	0.0360	0.0000
MinParkDist	0.2106	0.0134	0.0001	0.0011	0.0002
ComHealthCentre	0.2120	0.0014	0.0007	0.0001	0.0013
Closest_petrol	0.2140	0.0019	0.0010	0.0431	0.0018
NearestFastFood	0.2140	0.0000	0.0014	0.0002	0.0025
NearestSGrocShop	0.2157	0.0017	0.0038	0.0297	0.0065
Dummy_2000	0.2157	0.0000	0.0808	0.0005	0.1242
Dummy_2005	0.2439	0.0283	0.0287	0.0051	0.0479
Dummy_2010	0.0000	0.0000	0.0000	0.0214	0.0000
Dummy_2015	0.2856	0.0416	0.1039	0.0508	0.1542
Dummy_2019	0.4301	0.1445	0.1445	0.0753	0.2023

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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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	0.4301	2655988318.91			
Block_area_sqm	0.4300	2653639761.74	22.225	0.6357	0.2499
House_area_sqm	0.4301	2652963274.39	22.001	0.9731	0.1325
House_Floor_area_sqm	0.4207	2696873457.42	36.500	0.0001	0.2353
Bedrooms	0.4005	2790872560.30	67.538	0.0000	0.2133
Bathrooms	0.4301	2653112342.69	22.050	0.8225	0.1521
Car_Spaces	0.4120	2737424123.55	49.890	0.0000	0.1534
DistanceMM	0.4299	2653865480.49	22.299	0.5846	0.8475
DistToRailwayStation	0.4301	2652964417.92	22.002	0.9689	0.9873
DIST_PubPrimSch	0.4290	2658007578.14	23.667	0.1970	0.9435
NearestHighSch	0.4267	2668671562.68	27.188	0.0230	0.8662
Distance_to_AqCentre	0.4280	2662907713.75	25.285	0.0703	0.9931
Distance_to_Clink	0.4250	2676721885.53	29.846	0.0052	0.9872
Dist_to_CSUni	0.4301	2652988679.86	22.010	0.9223	0.9679
MinParkDist	0.4300	2653528445.96	22.188	0.6649	0.9013
ComHealthCentre	0.4294	2656441739.69	23.150	0.2839	0.9602
Closest_petrol	0.4291	2657772684.96	23.589	0.2078	0.6039
NearestFastFood	0.4287	2659672734.49	24.217	0.1369	0.9595
NearestSGrocShop	0.4264	2670426722.15	27.768	0.0165	0.9672
Dummy_2000	0.3493	3029151721.08	146.218	0.0000	0.6960
Dummy_2005	0.4015	2786398575.10	66.061	0.0000	0.6507
Dummy_2010	0.4301	2652959825.95	22.000	1.0000	
Dummy_2015	0.3262	3136622029.55	181.704	0.0000	0.2479
Dummy_2019	0.2856	3325854408.55	244.188	0.0000	0.2433

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Sum of Squares and Correlations

Independent Variable	Sequential Sum of Squares	Incremental Sum of Squares	Last Sum of Squares	Simple Correlation	Partial Correlation
Block_area_sqm	64583984203.75	64583984203.75	596303689.03	0.1258	-0.0160
House_area_sqm	113061503388.78	48477519185.03	3024276.17	0.1226	-0.0011
House_Floor_area_sqm	303144231458.47	190082728069.68	38512254798.69	0.2632	0.1276
Bedrooms	542882135960.30	239737904501.83	120949468017.92	0.2979	0.2223
Bathrooms	544966665443.02	2084529482.72	133757182.23	0.1221	0.0076
Car_Spaces	665371888696.84	120405223253.82	74075188991.32	0.2763	0.1757
DistanceMM	725856956528.96	60485067832.12	794259030.11	0.1996	-0.0185
DistToRailwayStation	743633774504.70	17776817975.74	4027156.81	0.0430	-0.0013
DIST_PubPrimSch	753220900457.22	9587125952.52	4426878666.48	-0.1174	-0.0436
NearestHighSch	761348670913.51	8127770456.29	13779193111.04	-0.0374	-0.0767
Distance_to_AqCentre	781911480373.59	20562809460.09	8724297599.29	0.0814	-0.0611
Distance_to_Clink	804175204575.00	22263724201.40	20839326249.31	0.0594	0.0942
Dist_to_CSUni	805203575678.52	1028371103.52	25304880.44	0.1898	-0.0033
MinParkDist	859733724639.13	54530148960.61	498679748.64	0.0329	-0.0146
ComHealthCentre	865561179377.44	5827454738.31	3053638347.84	-0.0119	0.0362
Closest_petrol	873506470607.71	7945291230.27	4220877347.77	0.2076	0.0426
NearestFastFood	873506761952.08	291344.37	5887220782.87	0.0130	-0.0502
NearestSGrocShop	880558227676.85	7051465724.77	15318467967.28	0.1723	0.0809
Dummy_2000	880609177826.91	50950150.05	329920292026.24	-0.0226	-0.3524
Dummy_2005	995971283619.85	115362105792.94	117025783001.95	-0.0711	-0.2188
Dummy_2010	0.00	0.00	0.00	0.1463	0.0000
Dummy_2015	1165926014496.23	169954730876.38	424171752553.01	0.2254	0.3927
Dummy_2019	1756054563429.32	590128548933.09	590128548933.09	0.2744	0.4498

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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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
Block_area_sqm	0.0158	14.434	0.0002	0.4143	28.948	0.0000
House_area_sqm	0.0277	12.774	0.0000	0.4024	29.457	0.0000
House_Floor_area_sqm	0.0743	23.955	0.0000	0.3559	27.352	0.0000
Bedrooms	0.1330	34.315	0.0000	0.2971	24.040	0.0000
Bathrooms	0.1335	27.543	0.0000	0.2966	25.332	0.0000
Car_Spaces	0.1630	28.979	0.0000	0.2671	24.156	0.0000
DistanceMM	0.1778	27.554	0.0000	0.2523	24.242	0.0000
DistToRailwayStation	0.1821	24.804	0.0000	0.2480	25.412	0.0000
DIST_PubPrimSch	0.1845	22.371	0.0000	0.2456	26.970	0.0000
NearestHighSch	0.1865	20.378	0.0000	0.2436	28.809	0.0000
Distance_to_AqCentre	0.1915	19.123	0.0000	0.2386	30.564	0.0000
Distance_to_Clink	0.1970	18.131	0.0000	0.2331	32.581	0.0000
Dist_to_CSUni	0.1972	16.744	0.0000	0.2329	35.800	0.0000
MinParkDist	0.2106	16.863	0.0000	0.2195	37.497	0.0000
ComHealthCentre	0.2120	15.856	0.0000	0.2181	41.910	0.0000
Closest_petrol	0.2140	15.021	0.0000	0.2162	47.469	0.0000
NearestFastFood	0.2140	14.122	0.0000	0.2162	55.381	0.0000
NearestSGrocShop	0.2157	13.459	0.0000	0.2144	65.926	0.0000
Dummy_2000	0.2157	12.737	0.0000	0.2144	82.403	0.0000
Dummy_2005	0.2439	14.181	0.0000	0.1862	95.392	0.0000
Dummy_2010	0.0000	0.000	1.0000	0.4301	330.584	0.0000
Dummy_2015	0.2856	15.935	0.0000	0.1445	222.188	0.0000
Dummy_2019	0.4301	28.746	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.

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Multicollinearity Report

Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
Block_area_sqm	1.3331	0.2499	0.7501	8.03219153770121E-09
House_area_sqm	1.1527	0.1325	0.8675	2.68985423126397E-06
House_Floor_area_sqm	1.3077	0.2353	0.7647	2.35452718278576E-06
Bedrooms	1.2711	0.2133	0.7867	0.00255673235484977
Bathrooms	1.1794	0.1521	0.8479	0.00920748241678858
Car_Spaces	1.1812	0.1534	0.8466	0.00173707396584685
DistanceMM	6.5565	0.8475	0.1525	1.47537331261925E-08
DistToRailwayStation	78.4673	0.9873	0.0127	8.82589202776506E-08
DIST_PubPrimSch	17.7017	0.9435	0.0565	2.96050040297014E-08
NearestHighSch	7.4732	0.8662	0.1338	1.87368374451893E-08
Distance_to_AqCentre	145.0951	0.9931	0.0069	4.14519128325122E-07
Distance_to_Clink	78.4176	0.9872	0.0128	1.7183617690074E-07
Dist_to_CSUni	31.1932	0.9679	0.0321	2.01683249079761E-08
MinParkDist	10.1295	0.9013	0.0987	2.42059985377921E-08
ComHealthCentre	25.1009	0.9602	0.0398	2.94869829378345E-08
Closest_petrol	2.5246	0.6039	0.3961	1.41958110309351E-08
NearestFastFood	24.7043	0.9595	0.0405	5.93043688518895E-08
NearestSGrocShop	30.4990	0.9672	0.0328	9.74046150525887E-08
Dummy_2000	3.2899	0.6960	0.3040	0.0162431424064224
Dummy_2005	2.8628	0.6507	0.3493	0.0160604089230136
Dummy_2010	0.0000			0
Dummy_2015	1.3295	0.2479	0.7521	0.012743296755604
Dummy_2019	1.3215	0.2433	0.7567	0.0122200788678952

Robust Multiple Regression Report

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Robust Residuals and Weights

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1	17000.000	60824.516	-43824.516	257.791	1.0000
2	130000.000	53590.599	76409.401	58.776	0.8962
3	155000.000	102315.289	52684.711	33.990	1.0000
4	72500.000	84294.471	-11794.471	16.268	1.0000
5	135000.000	123715.680	11284.320	8.359	1.0000
6	18000.000	1189.131	16810.869	93.394	1.0000
7	22000.000	30815.942	-8815.942	40.072	1.0000
8	17000.000	24899.268	-7899.268	46.466	1.0000
9	55000.000	4514.974	50485.026	91.791	1.0000
10	19500.000	7892.205	11607.795	59.527	1.0000
11	35000.000	65645.881	-30645.881	87.560	1.0000
12	30000.000	29823.802	176.198	0.587	1.0000
13	92000.000	33285.540	58714.460	63.820	1.0000
14	45000.000	54292.801	-9292.801	20.651	1.0000
15	50000.000	60731.381	-10731.381	21.463	1.0000
16	11750.000	-3210.375	14960.375	127.322	1.0000
17	22000.000	30139.583	-8139.583	36.998	1.0000
18	55000.000	25602.469	29397.531	53.450	1.0000
19	40000.000	54790.363	-14790.363	36.976	1.0000
20	22000.000	-14957.214	36957.214	167.987	1.0000
21	45000.000	48579.518	-3579.518	7.954	1.0000
22	10000.000	142626.490	-132626.490	1326.265	0.5163
23	40000.000	55924.723	-15924.723	39.812	1.0000
24	20000.000	-9266.125	29266.125	146.331	1.0000
25	44000.000	29496.842	14503.158	32.962	1.0000
26	10000.000	25449.705	-15449.705	154.497	1.0000
27	32300.000	35023.435	-2723.435	8.432	1.0000
28	39000.000	36375.373	2624.627	6.730	1.0000
29	41500.000	20820.885	20679.115	49.829	1.0000
30	100000.000	19143.679	80856.321	80.856	0.8469
31	40000.000	29602.907	10397.093	25.993	1.0000
32	18000.000	6254.694	11745.306	65.252	1.0000
33	25000.000	17183.650	7816.350	31.265	1.0000
34	73000.000	17389.360	55610.640	76.179	1.0000
35	90000.000	17073.938	72926.062	81.029	0.9390
36	60000.000	27518.533	32481.467	54.136	1.0000
37	10000.000	31929.926	-21929.926	219.299	1.0000
38	39000.000	44078.681	-5078.681	13.022	1.0000
39	36000.000	45121.987	-9121.987	25.339	1.0000
40	38000.000	53253.413	-15253.413	40.141	1.0000
41	14000.000	-5275.963	19275.963	137.685	1.0000
42	75000.000	47175.979	27824.021	37.099	1.0000
43	105000.000	45430.460	59569.540	56.733	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
44	145000.000	44020.754	100979.246	69.641	0.6781
45	76000.000	71652.023	4347.977	5.721	1.0000
46	23000.000	32711.079	-9711.079	42.222	1.0000
47	30000.000	61632.609	-31632.609	105.442	1.0000
48	63000.000	89878.662	-26878.662	42.665	1.0000
49	49000.000	40760.207	8239.793	16.816	1.0000
50	16500.000	52482.699	-35982.699	218.077	1.0000
51	25000.000	21660.987	3339.013	13.356	1.0000
52	12000.000	31792.078	-19792.078	164.934	1.0000
53	7000.000	105344.810	-98344.810	1404.926	0.6963
54	8500.000	-3311.722	11811.722	138.961	1.0000
55	30500.000	59666.458	-29166.458	95.628	1.0000
56	42000.000	37518.274	4481.726	10.671	1.0000
57	19500.000	48391.615	-28891.615	148.162	1.0000
58	8500.000	-2222.732	10722.732	126.150	1.0000
59	12000.000	53656.777	-41656.777	347.140	1.0000
60	28000.000	54766.708	-26766.708	95.595	1.0000
61	24000.000	51626.316	-27626.316	115.110	1.0000
62	20000.000	20165.815	-165.815	0.829	1.0000
63	35000.000	65347.815	-30347.815	86.708	1.0000
64	12000.000	10669.701	1330.299	11.086	1.0000
65	57000.000	68315.169	-11315.169	19.851	1.0000
66	17000.000	62000.695	-45000.695	264.710	1.0000
67	50000.000	62686.598	-12686.598	25.373	1.0000
68	44000.000	63769.208	-19769.208	44.930	1.0000
69	34000.000	73989.221	-39989.221	117.615	1.0000
70	20000.000	-2722.636	22722.636	113.613	1.0000
71	30000.000	47537.442	-17537.442	58.458	1.0000
72	17500.000	16065.577	1434.423	8.197	1.0000
73	6000.000	78604.337	-72604.337	1210.072	0.9431
74	23000.000	83787.382	-60787.382	264.293	1.0000
75	26000.000	79533.973	-53533.973	205.900	1.0000
76	54350.000	60539.493	-6189.493	11.388	1.0000
77	74000.000	38615.766	35384.234	47.817	1.0000
78	112000.000	74447.649	37552.351	33.529	1.0000
79	27500.000	49179.550	-21679.550	78.835	1.0000
80	49000.000	53542.866	-4542.866	9.271	1.0000
81	40000.000	20612.736	19387.264	48.468	1.0000
82	83000.000	61427.754	21572.246	25.991	1.0000
83	35000.000	47284.419	-12284.419	35.098	1.0000
84	124000.000	81741.679	42258.321	34.079	1.0000
85	14000.000	19214.585	-5214.585	37.247	1.0000
86	15000.000	38912.112	-23912.112	159.414	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
87	15000.000	-7257.449	22257.449	148.383	1.0000
88	52000.000	42133.520	9866.480	18.974	1.0000
89	23000.000	29383.802	-6383.802	27.756	1.0000
90	7000.000	-5952.689	12952.689	185.038	1.0000
91	32000.000	15436.421	16563.579	51.761	1.0000
92	14500.000	16821.305	-2321.305	16.009	1.0000
93	7000.000	5918.406	1081.594	15.451	1.0000
94	37000.000	21632.684	15367.316	41.533	1.0000
95	23000.000	3218.338	19781.662	86.007	1.0000
96	22000.000	26807.832	-4807.832	21.854	1.0000
97	28000.000	26807.832	1192.168	4.258	1.0000
98	62500.000	24019.900	38480.100	61.568	1.0000
106	10000.000	-2080.228	12080.228	120.802	1.0000
107	59700.000	34207.226	25492.774	42.701	1.0000
110	18000.000	-4302.706	22302.706	123.904	1.0000
111	60000.000	34716.022	25283.978	42.140	1.0000
113	180000.000	92182.502	87817.498	48.787	0.7798
116	58000.000	64767.598	-6767.598	11.668	1.0000
117	85000.000	83060.372	1939.628	2.282	1.0000
119	87000.000	79315.524	7684.476	8.833	1.0000
122	25000.000	52246.154	-27246.154	108.985	1.0000
123	26000.000	52246.154	-26246.154	100.947	1.0000
124	54000.000	59671.970	-5671.970	10.504	1.0000
125	11000.000	60849.386	-49849.386	453.176	1.0000
126	54500.000	102287.535	-47787.535	87.684	1.0000
127	145000.000	133601.854	11398.146	7.861	1.0000
130	130000.000	71779.543	58220.457	44.785	1.0000
131	112000.000	100306.025	11693.975	10.441	1.0000
133	30000.000	43784.234	-13784.234	45.947	1.0000
134	35000.000	46582.877	-11582.877	33.094	1.0000
135	50000.000	68698.928	-18698.928	37.398	1.0000
136	87000.000	21580.958	65419.042	75.194	1.0000
137	16000.000	88285.034	-72285.034	451.781	0.9473
138	32000.000	60512.436	-28512.436	89.101	1.0000
139	24000.000	88733.563	-64733.563	269.723	1.0000
140	32000.000	87700.900	-55700.900	174.065	1.0000
143	40000.000	25513.208	14486.792	36.217	1.0000
144	83500.000	26481.904	57018.096	68.285	1.0000
145	47000.000	44065.610	2934.390	6.243	1.0000
147	30000.000	66813.362	-36813.362	122.711	1.0000
148	11500.000	69234.477	-57734.477	502.039	1.0000
149	25000.000	33043.986	-8043.986	32.176	1.0000
151	40000.000	52534.608	-12534.608	31.337	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
152	31500.000	17817.202	13682.798	43.437	1.0000
153	5000.000	-590.222	5590.222	111.804	1.0000
154	66000.000	38503.279	27496.721	41.662	1.0000
155	30000.000	45788.911	-15788.911	52.630	1.0000
157	97000.000	68802.303	28197.697	29.070	1.0000
160	30000.000	30882.041	-882.041	2.940	1.0000
161	50000.000	18219.536	31780.464	63.561	1.0000
163	95000.000	63963.995	31036.005	32.669	1.0000
164	44000.000	15536.531	28463.469	64.690	1.0000
166	87000.000	80158.080	6841.920	7.864	1.0000
167	50000.000	61227.905	-11227.905	22.456	1.0000
168	12000.000	67438.814	-55438.814	461.990	1.0000
171	67000.000	54881.431	12118.569	18.087	1.0000
172	28000.000	19676.565	8323.435	29.727	1.0000
173	20000.000	-13673.676	33673.676	168.368	1.0000
176	25000.000	23230.623	1769.377	7.078	1.0000
180	17000.000	38042.715	-21042.715	123.781	1.0000
181	95000.000	97588.260	-2588.260	2.724	1.0000
184	62000.000	15636.825	46363.175	74.779	1.0000
188	139000.000	49925.658	89074.342	64.082	0.7688
189	24000.000	40890.896	-16890.896	70.379	1.0000
190	39500.000	78363.245	-38863.245	98.388	1.0000
191	52000.000	60455.376	-8455.376	16.260	1.0000
192	25000.000	82811.001	-57811.001	231.244	1.0000
198	8000.000	26877.853	-18877.853	235.973	1.0000
200	33000.000	22787.045	10212.955	30.948	1.0000
202	18000.000	45756.323	-27756.323	154.202	1.0000
203	30000.000	47346.292	-17346.292	57.821	1.0000
204	30000.000	43825.561	-13825.561	46.085	1.0000
207	25000.000	67000.875	-42000.875	168.003	1.0000
211	37000.000	52860.310	-15860.310	42.866	1.0000
212	65000.000	33859.539	31140.461	47.908	1.0000
214	23000.000	48819.145	-25819.145	112.257	1.0000
215	10000.000	67082.445	-57082.445	570.824	1.0000
217	18000.000	47620.331	-29620.331	164.557	1.0000
228	35000.000	16023.466	18976.534	54.219	1.0000
230	29000.000	-1958.109	30958.109	106.752	1.0000
232	87000.000	38197.799	48802.201	56.094	1.0000
233	11000.000	40363.835	-29363.835	266.944	1.0000
234	34000.000	19933.929	14066.071	41.371	1.0000
236	100000.000	57082.998	42917.002	42.917	1.0000
237	35000.000	67625.093	-32625.093	93.215	1.0000
239	30000.000	71482.908	-41482.908	138.276	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
241	145000.000	113616.040	31383.960	21.644	1.0000
242	28000.000	98951.260	-70951.260	253.397	0.9651
244	55000.000	75260.522	-20260.522	36.837	1.0000
246	52000.000	56455.412	-4455.412	8.568	1.0000
247	102500.000	66582.957	35917.043	35.041	1.0000
250	11000.000	-2769.873	13769.873	125.181	1.0000
251	19000.000	3268.320	15731.680	82.798	1.0000
252	20000.000	29119.250	-9119.250	45.596	1.0000
253	18000.000	32380.085	-14380.085	79.889	1.0000
254	21000.000	23567.351	-2567.351	12.225	1.0000
255	17000.000	8617.632	8382.368	49.308	1.0000
257	10000.000	4566.627	5433.373	54.334	1.0000
258	19000.000	53896.803	-34896.803	183.667	1.0000
280	25000.000	30244.442	-5244.442	20.978	1.0000
281	35000.000	44429.236	-9429.236	26.941	1.0000
282	36000.000	78117.509	-42117.509	116.993	1.0000
284	25000.000	67084.415	-42084.415	168.338	1.0000
285	15000.000	84548.109	-69548.109	463.654	0.9846
286	20000.000	42018.559	-22018.559	110.093	1.0000
288	32000.000	14414.864	17585.136	54.954	1.0000
290	42000.000	31125.519	10874.481	25.892	1.0000
292	63000.000	80864.610	-17864.610	28.357	1.0000
294	44000.000	33347.255	10652.745	24.211	1.0000
295	10000.000	41407.572	-31407.572	314.076	1.0000
296	115000.000	51349.323	63650.677	55.348	1.0000
298	60000.000	24657.330	35342.670	58.904	1.0000
300	15000.000	1034.437	13965.563	93.104	1.0000
303	21000.000	65046.926	-44046.926	209.747	1.0000
305	24000.000	15291.944	8708.056	36.284	1.0000
306	20000.000	83689.953	-63689.953	318.450	1.0000
309	60000.000	26583.821	33416.179	55.694	1.0000
310	129000.000	63700.744	65299.256	50.620	1.0000
311	32000.000	87841.093	-55841.093	174.503	1.0000
315	127500.000	39399.699	88100.301	69.098	0.7773
317	7000.000	18246.181	-11246.181	160.660	1.0000
318	66000.000	67203.944	-1203.944	1.824	1.0000
319	43000.000	182.779	42817.221	99.575	1.0000
320	7500.000	17767.870	-10267.870	136.905	1.0000
324	19000.000	47143.067	-28143.067	148.121	1.0000
325	25000.000	62425.507	-37425.507	149.702	1.0000
326	160000.000	64705.233	95294.767	59.559	0.7186
327	70000.000	61948.152	8051.848	11.503	1.0000
329	6750.000	21288.887	-14538.887	215.391	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
332	32000.000	38625.389	-6625.389	20.704	1.0000
333	54500.000	90907.895	-36407.895	66.803	1.0000
335	20000.000	33987.544	-13987.544	69.938	1.0000
336	59000.000	32472.374	26527.626	44.962	1.0000
337	9000.000	17938.367	-8938.367	99.315	1.0000
338	23000.000	71656.825	-48656.825	211.551	1.0000
341	20000.000	79715.791	-59715.791	298.579	1.0000
342	42000.000	82970.300	-40970.300	97.548	1.0000
347	18000.000	56805.055	-38805.055	215.584	1.0000
348	42000.000	47969.658	-5969.658	14.213	1.0000
349	87000.000	55339.490	31660.510	36.391	1.0000
352	125000.000	118598.738	6401.262	5.121	1.0000
353	114000.000	70816.066	43183.934	37.881	1.0000
354	250000.000	128940.114	121059.886	48.424	0.5656
356	67000.000	24997.563	42002.437	62.690	1.0000
357	10000.000	95661.817	-85661.817	856.618	0.7994
358	110000.000	97315.861	12684.139	11.531	1.0000
361	22000.000	66069.127	-44069.127	200.314	1.0000
363	77000.000	39828.379	37171.621	48.275	1.0000
364	35000.000	18167.417	16832.583	48.093	1.0000
365	50000.000	34038.856	15961.144	31.922	1.0000
366	35000.000	5906.791	29093.209	83.123	1.0000
368	105000.000	57227.908	47772.092	45.497	1.0000
369	84000.000	74727.434	9272.566	11.039	1.0000
371	33000.000	29805.339	3194.661	9.681	1.0000
372	50000.000	-7029.795	57029.795	114.060	1.0000
374	33000.000	37794.076	-4794.076	14.528	1.0000
375	72000.000	34577.685	37422.315	51.975	1.0000
378	44500.000	31269.866	13230.134	29.731	1.0000
380	14000.000	-2908.164	16908.164	120.773	1.0000
381	45000.000	65810.312	-20810.312	46.245	1.0000
382	25000.000	33001.846	-8001.846	32.007	1.0000
383	77000.000	59245.137	17754.863	23.058	1.0000
387	66500.000	91881.008	-25381.008	38.167	1.0000
388	250000.000	126349.727	123650.273	49.460	0.5538
390	135000.000	83977.962	51022.038	37.794	1.0000
392	25000.000	48957.733	-23957.733	95.831	1.0000
393	85000.000	57439.632	27560.368	32.424	1.0000
394	45000.000	88087.664	-43087.664	95.750	1.0000
398	10000.000	40393.289	-30393.289	303.933	1.0000
400	74000.000	61818.708	12181.292	16.461	1.0000
402	20000.000	48175.496	-28175.496	140.877	1.0000
404	180000.000	41434.527	138565.473	76.981	0.4942

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
406	82000.000	69442.578	12557.422	15.314	1.0000
408	142000.000	54094.621	87905.379	61.905	0.7790
410	83000.000	51442.158	31557.842	38.021	1.0000
411	11300.000	40806.699	-29506.699	261.121	1.0000
414	62000.000	82363.226	-20363.226	32.844	1.0000
419	170000.000	95187.110	74812.890	44.008	0.9153
422	32000.000	58700.971	-26700.971	83.441	1.0000
425	90000.000	47217.784	42782.216	47.536	1.0000
429	66000.000	58791.935	7208.065	10.921	1.0000
431	145000.000	81673.812	63326.188	43.673	1.0000
436	150000.000	71539.249	78460.751	52.307	0.8727
441	56000.000	25562.129	30437.871	54.353	1.0000
447	110000.000	87581.530	22418.470	20.380	1.0000
450	145000.000	103449.765	41550.235	28.655	1.0000
451	90000.000	42294.447	47705.553	53.006	1.0000
455	65000.000	30517.135	34482.865	53.051	1.0000
456	30000.000	54415.363	-24415.363	81.385	1.0000
457	92000.000	96333.874	-4333.874	4.711	1.0000
458	170000.000	111984.940	58015.060	34.127	1.0000
459	145000.000	72749.388	72250.612	49.828	0.9478
460	73000.000	44626.437	28373.563	38.868	1.0000
464	132000.000	57346.304	74653.696	56.556	0.9173
465	120000.000	57595.484	62404.516	52.004	1.0000
466	22000.000	44296.876	-22296.876	101.349	1.0000
467	60000.000	67797.442	-7797.442	12.996	1.0000
468	52500.000	56345.395	-3845.395	7.325	1.0000
469	154000.000	111371.786	42628.214	27.681	1.0000
472	90000.000	128429.329	-38429.329	42.699	1.0000
474	60000.000	82042.609	-22042.609	36.738	1.0000
475	67000.000	100742.664	-33742.664	50.362	1.0000
476	58000.000	120487.330	-62487.330	107.737	1.0000
477	85000.000	76605.001	8394.999	9.876	1.0000
478	110000.000	88320.063	21679.937	19.709	1.0000
479	116000.000	88222.907	27777.093	23.946	1.0000
481	130000.000	115597.755	14402.245	11.079	1.0000
482	375000.000	176886.167	198113.833	52.830	0.3456
483	61360.000	134097.375	-72737.375	118.542	0.9414
484	6325.000	130465.375	-124140.375	1962.694	0.5516
485	56500.000	130465.375	-73965.375	130.912	0.9258
486	7000.000	123857.975	-116857.975	1669.400	0.5860
487	90000.000	58213.723	31786.277	35.318	1.0000
490	25000.000	45753.861	-20753.861	83.015	1.0000
491	127000.000	111762.535	15237.465	11.998	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
492	22500.000	84614.085	-62114.085	276.063	1.0000
493	125000.000	65183.882	59816.118	47.853	1.0000
495	272000.000	135603.719	136396.281	50.146	0.5020
496	11138.000	41233.423	-30095.423	270.205	1.0000
497	40000.000	79267.775	-39267.775	98.169	1.0000
498	51500.000	67370.079	-15870.079	30.816	1.0000
500	98000.000	70537.926	27462.074	28.023	1.0000
502	70000.000	93987.619	-23987.619	34.268	1.0000
503	98000.000	98962.463	-962.463	0.982	1.0000
511	88000.000	102833.606	-14833.606	16.856	1.0000
514	65000.000	86663.793	-21663.793	33.329	1.0000
526	28000.000	42683.321	-14683.321	52.440	1.0000
527	40000.000	52574.541	-12574.541	31.436	1.0000
530	135000.000	86983.998	48016.002	35.567	1.0000
531	40000.000	75588.681	-35588.681	88.972	1.0000
536	120000.000	59086.898	60913.102	50.761	1.0000
539	36500.000	39894.732	-3394.732	9.301	1.0000
542	48000.000	71615.803	-23615.803	49.200	1.0000
544	128000.000	56777.737	71222.263	55.642	0.9614
545	27000.000	75084.892	-48084.892	178.092	1.0000
547	27000.000	123528.613	-96528.613	357.513	0.7094
549	50000.000	47463.613	2536.387	5.073	1.0000
551	70000.000	73567.484	-3567.484	5.096	1.0000
555	65500.000	39613.179	25886.821	39.522	1.0000
557	72000.000	67271.046	4728.954	6.568	1.0000
560	65000.000	45642.092	19357.908	29.781	1.0000
562	63000.000	113545.038	-50545.038	80.230	1.0000
565	42000.000	84553.196	-42553.196	101.317	1.0000
566	73500.000	82097.959	-8597.959	11.698	1.0000
567	60000.000	82817.016	-22817.016	38.028	1.0000
571	72000.000	90701.191	-18701.191	25.974	1.0000
572	35000.000	105977.069	-70977.069	202.792	0.9648
573	35000.000	152490.711	-117490.711	335.688	0.5828
574	250000.000	163453.659	86546.341	34.619	0.7912
575	269000.000	163453.659	105546.341	39.237	0.6488
576	75000.000	88864.370	-13864.370	18.486	1.0000
577	122000.000	124798.895	-2798.895	2.294	1.0000
578	145000.000	99917.129	45082.871	31.092	1.0000
580	135000.000	141271.746	-6271.746	4.646	1.0000
581	148000.000	118623.703	29376.297	19.849	1.0000
587	70000.000	133331.610	-63331.610	90.474	1.0000
588	38000.000	80135.668	-42135.668	110.883	1.0000
591	185000.000	72062.984	112937.016	61.047	0.6063

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
595	58000.000	59880.272	-1880.272	3.242	1.0000
598	41000.000	54147.001	-13147.001	32.066	1.0000
599	55000.000	77850.425	-22850.425	41.546	1.0000
601	205000.000	159219.949	45780.051	22.332	1.0000
602	109000.000	129904.069	-20904.069	19.178	1.0000
605	109000.000	102059.338	6940.662	6.368	1.0000
606	175000.000	105754.665	69245.335	39.569	0.9889
609	79000.000	62808.808	16191.192	20.495	1.0000
610	23000.000	60368.314	-37368.314	162.471	1.0000
611	183000.000	89389.369	93610.631	51.153	0.7315
612	20000.000	80276.165	-60276.165	301.381	1.0000
613	68000.000	72983.901	-4983.901	7.329	1.0000
614	87000.000	78437.138	8562.862	9.842	1.0000
619	25000.000	62315.551	-37315.551	149.262	1.0000
620	197000.000	124253.343	72746.657	36.927	0.9413
622	162000.000	75235.323	86764.677	53.558	0.7892
626	62000.000	57851.588	4148.412	6.691	1.0000
630	72000.000	98358.158	-26358.158	36.609	1.0000
632	34000.000	49086.772	-15086.772	44.373	1.0000
633	95000.000	62486.525	32513.475	34.225	1.0000
634	20000.000	66619.262	-46619.262	233.096	1.0000
635	130000.000	90961.301	39038.699	30.030	1.0000
639	72000.000	69742.427	2257.573	3.136	1.0000
642	7024.000	59065.227	-52041.227	740.906	1.0000
645	27500.000	45191.122	-17691.122	64.331	1.0000
650	20000.000	73904.440	-53904.440	269.522	1.0000
655	32000.000	60185.009	-28185.009	88.078	1.0000
657	125000.000	50233.326	74766.674	59.813	0.9159
658	137000.000	88856.906	48143.094	35.141	1.0000
662	25000.000	109804.331	-84804.331	339.217	0.8075
663	62500.000	58956.674	3543.326	5.669	1.0000
664	120000.000	80664.375	39335.625	32.780	1.0000
665	42500.000	69365.061	-26865.061	63.212	1.0000
669	55000.000	53929.795	1070.205	1.946	1.0000
670	78000.000	55114.304	22885.696	29.341	1.0000
671	32000.000	55259.341	-23259.341	72.685	1.0000
676	130000.000	132225.074	-2225.074	1.712	1.0000
678	125000.000	75945.138	49054.862	39.244	1.0000
684	5000.000	31386.679	-26386.679	527.734	1.0000
688	80000.000	77211.758	2788.242	3.485	1.0000
689	72000.000	96506.073	-24506.073	34.036	1.0000
690	72500.000	81569.524	-9069.524	12.510	1.0000
692	85000.000	70748.947	14251.053	16.766	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
693	22500.000	80996.268	-58496.268	259.983	1.0000
704	35000.000	81830.747	-46830.747	133.802	1.0000
706	48950.000	45932.969	3017.031	6.163	1.0000
707	14000.000	76184.109	-62184.109	444.172	1.0000
712	72000.000	122811.097	-50811.097	70.571	1.0000
713	69500.000	87416.950	-17916.950	25.780	1.0000
715	56000.000	59659.111	-3659.111	6.534	1.0000
719	110000.000	118545.970	-8545.970	7.769	1.0000
722	220000.000	89777.237	130222.763	59.192	0.5258
724	125000.000	93126.636	31873.364	25.499	1.0000
729	100000.000	79656.407	20343.593	20.344	1.0000
733	168000.000	87909.302	80090.698	47.673	0.8550
735	30000.000	88307.331	-58307.331	194.358	1.0000
736	130000.000	68706.018	61293.982	47.149	1.0000
738	93000.000	127018.803	-34018.803	36.579	1.0000
739	70000.000	118577.324	-48577.324	69.396	1.0000
740	42000.000	84102.035	-42102.035	100.243	1.0000
743	228000.000	157109.140	70890.860	31.092	0.9659
744	225000.000	157570.535	67429.465	29.969	1.0000
747	39000.000	79607.120	-40607.120	104.121	1.0000
749	60000.000	101988.554	-41988.554	69.981	1.0000
751	149500.000	62146.366	87353.634	58.431	0.7839
752	68000.000	80489.306	-12489.306	18.367	1.0000
754	25500.000	69845.908	-44345.908	173.906	1.0000
755	35000.000	53245.174	-18245.174	52.129	1.0000
757	26000.000	72972.844	-46972.844	180.665	1.0000
758	38800.000	102568.169	-63768.169	164.351	1.0000
760	135000.000	70017.411	64982.589	48.135	1.0000
761	75000.000	28424.216	46575.784	62.101	1.0000
763	3500.000	112485.706	-108985.706	3113.877	0.6283
765	55000.000	93672.727	-38672.727	70.314	1.0000
767	58500.000	80274.368	-21774.368	37.221	1.0000
770	120000.000	92955.287	27044.713	22.537	1.0000
773	115000.000	127488.069	-12488.069	10.859	1.0000
782	123000.000	114195.528	8804.472	7.158	1.0000
785	67000.000	45992.159	21007.841	31.355	1.0000
786	30000.000	40509.346	-10509.346	35.031	1.0000
787	78000.000	62378.360	15621.640	20.028	1.0000
788	55000.000	47027.602	7972.398	14.495	1.0000
795	200000.000	117002.171	82997.829	41.499	0.8250
797	16000.000	29095.832	-13095.832	81.849	1.0000
798	65000.000	73938.934	-8938.934	13.752	1.0000
799	46000.000	94004.403	-48004.403	104.357	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
803	69000.000	52499.605	16500.395	23.914	1.0000
805	117500.000	66435.479	51064.521	43.459	1.0000
806	40000.000	82491.124	-42491.124	106.228	1.0000
807	107500.000	50634.130	56865.870	52.898	1.0000
809	7271.000	31957.652	-24686.652	339.522	1.0000
811	80000.000	56556.414	23443.586	29.304	1.0000
813	46000.000	38539.158	7460.842	16.219	1.0000
817	30000.000	89140.792	-59140.792	197.136	1.0000
818	15000.000	68107.785	-53107.785	354.052	1.0000
819	50000.000	95201.819	-45201.819	90.404	1.0000
820	97500.000	95406.301	2093.699	2.147	1.0000
821	125000.000	119569.769	5430.231	4.344	1.0000
824	58000.000	95080.899	-37080.899	63.933	1.0000
826	39000.000	58031.533	-19031.533	48.799	1.0000
833	37000.000	71872.524	-34872.524	94.250	1.0000
835	100000.000	92355.923	7644.077	7.644	1.0000
841	67000.000	91713.250	-24713.250	36.885	1.0000
845	98000.000	61401.678	36598.322	37.345	1.0000
852	33000.000	52000.533	-19000.533	57.577	1.0000
853	50000.000	52344.675	-2344.675	4.689	1.0000
855	160000.000	81189.903	78810.097	49.256	0.8689
857	77000.000	84346.211	-7346.211	9.541	1.0000
859	56500.000	105358.668	-48858.668	86.476	1.0000
861	85000.000	99402.682	-14402.682	16.944	1.0000
864	69900.000	80406.037	-10506.037	15.030	1.0000
868	48000.000	110931.184	-62931.184	131.107	1.0000
870	54000.000	104289.135	-50289.135	93.128	1.0000
871	160000.000	92458.879	67541.121	42.213	1.0000
875	75000.000	94163.680	-19163.680	25.552	1.0000
877	15000.000	59830.280	-44830.280	298.869	1.0000
878	180000.000	96491.173	83508.827	46.394	0.8200
881	15000.000	46470.161	-31470.161	209.801	1.0000
883	230000.000	108484.243	121515.757	52.833	0.5635
884	89000.000	142208.448	-53208.448	59.785	1.0000
885	92000.000	124074.315	-32074.315	34.863	1.0000
887	205000.000	59161.501	145838.499	71.141	0.4695
889	54000.000	86062.285	-32062.285	59.375	1.0000
890	150000.000	23518.969	126481.031	84.321	0.5414
895	9000.000	60909.338	-51909.338	576.770	1.0000
898	50000.000	67423.274	-17423.274	34.847	1.0000
902	22000.000	58243.154	-36243.154	164.742	1.0000
903	160000.000	105868.501	54131.499	33.832	1.0000
904	62000.000	63826.599	-1826.599	2.946	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
906	85000.000	101787.280	-16787.280	19.750	1.0000
908	33000.000	87057.443	-54057.443	163.810	1.0000
909	112500.000	144675.132	-32175.132	28.600	1.0000
910	140000.000	123449.155	16550.845	11.822	1.0000
912	210000.000	114680.584	95319.416	45.390	0.7184
914	60000.000	112822.105	-52822.105	88.037	1.0000
917	100000.000	89469.268	10530.732	10.531	1.0000
918	63750.000	62270.817	1479.183	2.320	1.0000
920	95000.000	84532.807	10467.193	11.018	1.0000
921	145000.000	85407.667	59592.333	41.098	1.0000
922	52000.000	56499.737	-4499.737	8.653	1.0000
923	100000.000	78052.508	21947.492	21.947	1.0000
924	115000.000	83302.863	31697.137	27.563	1.0000
926	82000.000	83373.447	-1373.447	1.675	1.0000
928	62000.000	103346.011	-41346.011	66.687	1.0000
929	186000.000	135300.670	50699.330	27.258	1.0000
930	270000.000	98497.115	171502.885	63.520	0.3993
931	20000.000	75372.512	-55372.512	276.863	1.0000
932	70000.000	104371.980	-34371.980	49.103	1.0000
935	185000.000	95475.311	89524.689	48.392	0.7649
936	270000.000	153891.310	116108.690	43.003	0.5898
939	60000.000	77778.462	-17778.462	29.631	1.0000
941	80000.000	123743.929	-43743.929	54.680	1.0000
944	190000.000	20952.315	169047.685	88.972	0.4051
951	56000.000	67748.068	-11748.068	20.979	1.0000
952	67000.000	79091.528	-12091.528	18.047	1.0000
953	67000.000	66819.271	180.729	0.270	1.0000
954	160000.000	64429.489	95570.511	59.732	0.7165
956	120000.000	110386.592	9613.408	8.011	1.0000
957	90000.000	77313.948	12686.052	14.096	1.0000
958	78000.000	61688.971	16311.029	20.912	1.0000
959	22000.000	41411.800	-19411.800	88.235	1.0000
960	130000.000	104454.194	25545.806	19.651	1.0000
961	75000.000	79916.782	-4916.782	6.556	1.0000
965	24000.000	47793.925	-23793.925	99.141	1.0000
966	85000.000	89385.132	-4385.132	5.159	1.0000
973	30000.000	104624.387	-74624.387	248.748	0.9176
974	78500.000	99747.311	-21247.311	27.067	1.0000
975	115000.000	131548.817	-16548.817	14.390	1.0000
976	55120.000	95798.205	-40678.205	73.799	1.0000
978	62000.000	73256.438	-11256.438	18.156	1.0000
981	375000.000	145259.163	229740.837	61.264	0.2981
984	22500.000	86964.880	-64464.880	286.511	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
985	4000.000	98221.308	-94221.308	2355.533	0.7268
986	148000.000	79519.726	68480.274	46.270	0.9999
992	85000.000	107452.660	-22452.660	26.415	1.0000
996	75000.000	117667.184	-42667.184	56.890	1.0000
998	95000.000	129846.833	-34846.833	36.681	1.0000
1002	73000.000	77362.207	-4362.207	5.976	1.0000
1003	107500.000	75563.470	31936.530	29.708	1.0000
1006	25000.000	64965.202	-39965.202	159.861	1.0000
1007	8000.000	117096.956	-109096.956	1363.712	0.6277
1011	56000.000	99549.546	-43549.546	77.767	1.0000
1014	250000.000	141508.510	108491.490	43.397	0.6312
1018	175000.000	122379.575	52620.425	30.069	1.0000
1019	100000.000	117594.261	-17594.261	17.594	1.0000
1020	95000.000	144323.647	-49323.647	51.920	1.0000
1024	250000.000	167401.881	82598.119	33.039	0.8290
1029	150000.000	151791.292	-1791.292	1.194	1.0000
1030	100000.000	80542.401	19457.599	19.458	1.0000
1033	45000.000	117732.472	-72732.472	161.628	0.9415
1039	75000.000	108165.605	-33165.605	44.221	1.0000
1041	160000.000	135842.592	24157.408	15.098	1.0000
1042	210000.000	130152.560	79847.440	38.023	0.8576
1045	45000.000	124014.026	-79014.026	175.587	0.8666
1047	35000.000	106896.546	-71896.546	205.419	0.9524
1048	90000.000	114241.380	-24241.380	26.935	1.0000
1049	55000.000	83654.938	-28654.938	52.100	1.0000
1050	83000.000	95118.326	-12118.326	14.600	1.0000
1052	175000.000	97122.069	77877.931	44.502	0.8793
1055	85000.000	102035.582	-17035.582	20.042	1.0000
1059	310000.000	187881.109	122118.891	39.393	0.5607
1063	85000.000	134128.950	-49128.950	57.799	1.0000
1064	215000.000	147973.127	67026.873	31.175	1.0000
1065	225000.000	172919.879	52080.121	23.147	1.0000
1066	95000.000	125986.539	-30986.539	32.617	1.0000
1067	65000.000	112608.770	-47608.770	73.244	1.0000
1068	40000.000	61515.399	-21515.399	53.788	1.0000
1070	85000.000	80324.314	4675.686	5.501	1.0000
1071	145000.000	104703.154	40296.846	27.791	1.0000
1073	228000.000	163735.157	64264.843	28.186	1.0000
1074	180000.000	141229.946	38770.054	21.539	1.0000
1078	195000.000	111234.182	83765.818	42.957	0.8175
1079	180000.000	149830.874	30169.126	16.761	1.0000
1087	80000.000	75916.564	4083.436	5.104	1.0000
1089	95000.000	104879.911	-9879.911	10.400	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
1090	60000.000	99789.424	-39789.424	66.316	1.0000
1091	163000.000	136121.372	26878.628	16.490	1.0000
1092	195000.000	162643.104	32356.896	16.593	1.0000
1094	190000.000	146159.532	43840.468	23.074	1.0000
1096	97000.000	98467.296	-1467.296	1.513	1.0000
1101	252000.000	161074.352	90925.648	36.082	0.7531
1103	145000.000	125968.137	19031.863	13.125	1.0000
1106	30000.000	71919.951	-41919.951	139.733	1.0000
1110	130000.000	112245.791	17754.209	13.657	1.0000
1111	40000.000	114217.858	-74217.858	185.545	0.9226
1112	100000.000	114173.462	-14173.462	14.173	1.0000
1114	165000.000	148937.281	16062.719	9.735	1.0000
1115	95000.000	146321.180	-51321.180	54.022	1.0000
1118	245000.000	123009.399	121990.601	49.792	0.5613
1119	80000.000	124608.464	-44608.464	55.761	1.0000
1121	180000.000	109996.465	70003.535	38.891	0.9782
1123	387500.000	195709.100	191790.900	49.494	0.3570
1124	155000.000	82692.133	72307.867	46.650	0.9470
1126	55000.000	105702.911	-50702.911	92.187	1.0000
1127	75000.000	92181.465	-17181.465	22.909	1.0000
1128	110000.000	153705.330	-43705.330	39.732	1.0000
1129	50000.000	123428.628	-73428.628	146.857	0.9326
1130	177000.000	108948.834	68051.166	38.447	1.0000
1131	122000.000	146511.935	-24511.935	20.092	1.0000
1133	89000.000	124499.518	-35499.518	39.887	1.0000
1135	135000.000	157361.848	-22361.848	16.564	1.0000
1139	280000.000	117098.862	162901.138	58.179	0.4204
1141	70000.000	64411.395	5588.605	7.984	1.0000
1144	96000.000	110515.056	-14515.056	15.120	1.0000
1147	230000.000	156705.257	73294.743	31.867	0.9343
1148	525000.000	144456.957	380543.043	72.484	0.1799
1150	35000.000	73219.736	-38219.736	109.199	1.0000
1151	70000.000	86441.601	-16441.601	23.488	1.0000
1154	30000.000	105865.518	-75865.518	252.885	0.9026
1157	86000.000	150874.256	-64874.256	75.435	1.0000
1159	130000.000	139294.465	-9294.465	7.150	1.0000
1163	70000.000	129107.636	-59107.636	84.439	1.0000
1165	37000.000	105933.433	-68933.433	186.307	0.9934
1168	130000.000	97481.125	32518.875	25.015	1.0000
1169	130000.000	136686.331	-6686.331	5.143	1.0000
1172	410000.000	166169.803	243830.197	59.471	0.2808
1174	56000.000	123573.542	-67573.542	120.667	1.0000
1176	160000.000	140108.067	19891.933	12.432	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
1179	55000.000	135271.238	-80271.238	145.948	0.8531
1181	235000.000	134771.473	100228.527	42.650	0.6832
1183	155000.000	132753.010	22246.990	14.353	1.0000
1185	310000.000	186560.720	123439.280	39.819	0.5547
1186	165000.000	144962.872	20037.128	12.144	1.0000
1187	145000.000	150413.070	-5413.070	3.733	1.0000
1190	55000.000	71312.570	-16312.570	29.659	1.0000
1191	34000.000	104361.765	-70361.765	206.946	0.9732
1192	40000.000	107990.442	-67990.442	169.976	1.0000
1193	70500.000	168091.347	-97591.347	138.427	0.7017
1194	80000.000	98917.479	-18917.479	23.647	1.0000
1195	173000.000	107502.029	65497.971	37.860	1.0000
1202	205000.000	183996.007	21003.993	10.246	1.0000
1203	95000.000	153236.605	-58236.605	61.302	1.0000
1204	12500.000	53031.301	-40531.301	324.250	1.0000
1205	275000.000	98420.330	176579.670	64.211	0.3878
1206	70000.000	94557.382	-24557.382	35.082	1.0000
1207	29000.000	94054.628	-65054.628	224.326	1.0000
1212	45000.000	86265.083	-41265.083	91.700	1.0000
1215	65000.000	135525.350	-70525.350	108.501	0.9709
1216	235000.000	126614.563	108385.437	46.121	0.6318
1217	115000.000	76694.037	38305.963	33.310	1.0000
1219	230000.000	136396.017	93603.983	40.697	0.7316
1221	80000.000	109325.967	-29325.967	36.657	1.0000
1225	102500.000	124737.289	-22237.289	21.695	1.0000
1226	400000.000	116514.187	283485.813	70.871	0.2416
1227	155000.000	137710.671	17289.329	11.154	1.0000
1228	160000.000	102577.797	57422.203	35.889	1.0000
1230	20000.000	75890.037	-55890.037	279.450	1.0000
1234	180000.000	135361.568	44638.432	24.799	1.0000
1235	190000.000	172098.586	17901.414	9.422	1.0000
1236	255000.000	146066.726	108933.274	42.719	0.6286
1237	100000.000	110982.597	-10982.597	10.983	1.0000
1240	210000.000	187801.621	22198.379	10.571	1.0000
1241	320000.000	164053.430	155946.570	48.733	0.4391
1242	325000.000	164053.430	160946.570	49.522	0.4255
1243	72000.000	180374.924	-108374.924	150.521	0.6318
1244	100000.000	162856.361	-62856.361	62.856	1.0000
1247	35000.000	89423.118	-54423.118	155.495	1.0000
1248	78000.000	111394.085	-33394.085	42.813	1.0000
1250	230000.000	108164.878	121835.122	52.972	0.5620
1254	178000.000	135955.238	42044.762	23.621	1.0000
1257	95000.000	152860.894	-57860.894	60.906	1.0000

Robust Multiple Regression Report

Dataset C:\Users\Dr_la\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Robust Residuals and Weights (Continued)

Row	Actual sale_price	Predicted sale_price	Residual	Absolute Percent Error	Robust Weight
1269	115000.000	126144.502	-11144.502	9.691	1.0000
1270	225000.000	147429.717	77570.283	34.476	0.8828
1271	255000.000	127233.636	127766.364	50.104	0.5359
1272	30000.000	117817.793	-87817.793	292.726	0.7798
1276	25000.000	67525.453	-42525.453	170.102	1.0000
1277	83000.000	95153.746	-12153.746	14.643	1.0000
1280	105000.000	79508.286	25491.714	24.278	1.0000
1281	197500.000	155015.965	42484.035	21.511	1.0000
1284	25000.000	69218.356	-44218.356	176.873	1.0000
1285	40000.000	78703.352	-38703.352	96.758	1.0000
1287	20000.000	141314.005	-121314.005	606.570	0.5645
1290	249000.000	167252.667	81747.333	32.830	0.8377
1292	310000.000	157412.084	152587.916	49.222	0.4488
1302	173000.000	167213.051	5786.949	3.345	1.0000
1303	145000.000	153424.502	-8424.502	5.810	1.0000
1305	55000.000	92069.357	-37069.357	67.399	1.0000
1306	105000.000	120103.939	-15103.939	14.385	1.0000
1308	90000.000	119063.785	-29063.785	32.293	1.0000
1310	60000.000	135462.340	-75462.340	125.771	0.9074
1311	125000.000	118308.533	6691.467	5.353	1.0000
1313	125000.000	97437.425	27562.575	22.050	1.0000
1315	120000.000	188676.713	-68676.713	57.231	0.9971
1316	189000.000	141546.211	47453.789	25.108	1.0000
1317	135000.000	136727.562	-1727.562	1.280	1.0000
1318	215000.000	156748.905	58251.095	27.094	1.0000
1321	255000.000	138337.454	116662.546	45.750	0.5870
1324	152500.000	103811.110	48688.890	31.927	1.0000
1325	245000.000	174492.700	70507.300	28.778	0.9712
1326	99000.000	78278.934	20721.066	20.930	1.0000
1329	10000.000	67593.020	-57593.020	575.930	1.0000
1332	22000.000	156071.896	-134071.896	609.418	0.5107
1334	100000.000	148903.353	-48903.353	48.903	1.0000
1336	145000.000	151427.896	-6427.896	4.433	1.0000
1338	42000.000	80168.212	-38168.212	90.877	1.0000
1340	27000.000	128565.011	-101565.011	376.167	0.6742
1342	230000.000	198059.414	31940.586	13.887	1.0000
1346	85000.000	110207.121	-25207.121	29.655	1.0000
1351	60000.000	96758.890	-36758.890	61.265	1.0000
1352	180000.000	131609.381	48390.619	26.884	1.0000
1355	60000.000	112075.648	-52075.648	86.793	1.0000
1357	55000.000	114639.384	-59639.384	108.435	1.0000
1359	192000.000	146215.516	45784.484	23.846	1.0000
1360	97500.000	123528.596	-26028.596	26.696	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
1361	50000.000	123973.607	-73973.607	147.947	0.9257
1362	270000.000	161790.370	108209.630	40.078	0.6328
1363	50000.000	127314.629	-77314.629	154.629	0.8857
1365	155000.000	161413.403	-6413.403	4.138	1.0000
1367	192000.000	122407.173	69592.827	36.246	0.9840
1374	140000.000	102079.123	37920.877	27.086	1.0000
1377	292000.000	202956.451	89043.549	30.494	0.7690
1380	150000.000	110892.611	39107.389	26.072	1.0000
1382	325000.000	151220.596	173779.404	53.471	0.3940
1383	171000.000	164955.467	6044.533	3.535	1.0000
1385	152000.000	173217.218	-21217.218	13.959	1.0000
1386	130000.000	124158.563	5841.437	4.493	1.0000
1387	150000.000	133181.662	16818.338	11.212	1.0000
1388	88000.000	114227.842	-26227.842	29.804	1.0000
1389	35000.000	103463.195	-68463.195	195.609	1.0000
1395	150000.000	127026.224	22973.776	15.316	1.0000
1396	230000.000	198885.653	31114.347	13.528	1.0000
1400	132000.000	184337.929	-52337.929	39.650	1.0000
1405	175000.000	121350.595	53649.405	30.657	1.0000
1406	250000.000	112440.549	137559.451	55.024	0.4978
1407	200000.000	146052.886	53947.114	26.974	1.0000
1408	177500.000	150683.682	26816.318	15.108	1.0000
1411	235000.000	157186.515	77813.485	33.112	0.8800
1413	63000.000	86899.875	-23899.875	37.936	1.0000
1414	130000.000	116320.625	13679.375	10.523	1.0000
1416	40000.000	160484.563	-120484.563	301.211	0.5683
1418	110000.000	88716.285	21283.715	19.349	1.0000
1419	140000.000	208101.401	-68101.401	48.644	1.0000
1426	100000.000	115022.631	-15022.631	15.023	1.0000
1427	13000.000	70742.167	-57742.167	444.171	1.0000
1430	197500.000	131162.895	66337.105	33.588	1.0000
1431	18950.000	82525.872	-63575.872	335.493	1.0000
1433	98000.000	179970.898	-81970.898	83.644	0.8354
1439	60000.000	121099.844	-61099.844	101.833	1.0000
1440	80000.000	130009.441	-50009.441	62.512	1.0000
1441	40000.000	88191.167	-48191.167	120.478	1.0000
1442	142000.000	135079.622	6920.378	4.874	1.0000
1444	160000.000	151914.502	8085.498	5.053	1.0000
1446	315000.000	187037.661	127962.339	40.623	0.5351
1448	195000.000	167743.572	27256.428	13.978	1.0000
1451	120000.000	126388.436	-6388.436	5.324	1.0000
1452	92000.000	110461.872	-18461.872	20.067	1.0000
1455	42000.000	134747.871	-92747.871	220.828	0.7383

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
1457	80000.000	99751.805	-19751.805	24.690	1.0000
1458	85000.000	105781.192	-20781.192	24.448	1.0000
1461	160000.000	163264.634	-3264.634	2.040	1.0000
1469	110000.000	153305.288	-43305.288	39.368	1.0000
1470	185000.000	166792.290	18207.710	9.842	1.0000
1472	580000.000	169606.808	410393.192	70.757	0.1669
1473	75000.000	125567.662	-50567.662	67.424	1.0000
1477	125000.000	107928.644	17071.356	13.657	1.0000
1479	170000.000	113436.278	56563.722	33.273	1.0000
1480	90500.000	111417.325	-20917.325	23.113	1.0000
1483	78000.000	122186.407	-44186.407	56.649	1.0000
1485	165000.000	122693.466	42306.534	25.640	1.0000
1487	115000.000	108084.573	6915.427	6.013	1.0000
1489	310000.000	136508.485	173491.515	55.965	0.3947
1490	240000.000	104096.789	135903.211	56.626	0.5039
1491	70000.000	84984.346	-14984.346	21.406	1.0000
1496	90000.000	106850.450	-16850.450	18.723	1.0000
1498	145000.000	179270.255	-34270.255	23.635	1.0000
1500	40000.000	116602.100	-76602.100	191.505	0.8939
1502	100000.000	151431.308	-51431.308	51.431	1.0000
1503	149000.000	187822.465	-38822.465	26.055	1.0000
1504	185000.000	136661.760	48338.240	26.129	1.0000
1505	330000.000	109406.232	220593.768	66.847	0.3104
1507	315000.000	173653.086	141346.914	44.872	0.4845
1512	765000.000	122431.631	642568.369	83.996	0.1066
1514	70000.000	108572.930	-38572.930	55.104	1.0000
1516	95000.000	126692.222	-31692.222	33.360	1.0000
1517	150000.000	106470.915	43529.085	29.019	1.0000
1518	133000.000	193121.382	-60121.382	45.204	1.0000
1519	140000.000	132577.699	7422.301	5.302	1.0000
1520	40000.000	163062.894	-123062.894	307.657	0.5564
1522	110000.000	115663.374	-5663.374	5.149	1.0000
1528	250000.000	153797.926	96202.074	38.481	0.7118
1529	74000.000	133505.398	-59505.398	80.413	1.0000
1530	190000.000	112176.837	77823.163	40.960	0.8799
1534	98000.000	135191.247	-37191.247	37.950	1.0000
1539	170000.000	128733.026	41266.974	24.275	1.0000
1540	160000.000	158854.342	1145.658	0.716	1.0000
1541	150000.000	219597.809	-69597.809	46.399	0.9839
1542	185000.000	169201.223	15798.777	8.540	1.0000
1546	255000.000	128971.532	126028.468	49.423	0.5433
1547	50000.000	131127.366	-81127.366	162.255	0.8441
1548	475000.000	174083.966	300916.034	63.351	0.2276

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
1551	300000.000	169666.856	130333.144	43.444	0.5254
1552	130000.000	145261.189	-15261.189	11.739	1.0000
1555	45000.000	125479.164	-80479.164	178.843	0.8509
1556	60000.000	161738.652	-101738.652	169.564	0.6731
1560	190000.000	150930.564	39069.436	20.563	1.0000
1563	73000.000	113870.681	-40870.681	55.987	1.0000
1565	100000.000	160876.780	-60876.780	60.877	1.0000
1571	210000.000	160969.944	49030.056	23.348	1.0000
1574	40000.000	133805.805	-93805.805	234.515	0.7300
1578	175000.000	116965.642	58034.358	33.162	1.0000
1579	188000.000	125487.936	62512.064	33.251	1.0000
1580	80000.000	113633.348	-33633.348	42.042	1.0000
1582	30000.000	118198.020	-88198.020	293.993	0.7764
1585	77000.000	176135.793	-99135.793	128.748	0.6907
1587	90000.000	75343.650	14656.350	16.285	1.0000
1588	295000.000	162219.842	132780.158	45.010	0.5157
1591	45500.000	89303.772	-43803.772	96.272	1.0000
1592	50365.000	154031.827	-103666.827	205.831	0.6605
1593	70000.000	135066.798	-65066.798	92.953	1.0000
1594	150000.000	149928.085	71.915	0.048	1.0000
1595	48000.000	119652.089	-71652.089	149.275	0.9557
1597	100000.000	118433.460	-18433.460	18.433	1.0000
1601	210000.000	123441.782	86558.218	41.218	0.7911
1608	205000.000	122586.910	82413.090	40.202	0.8309
1610	180000.000	147754.376	32245.624	17.914	1.0000
1611	350000.000	134061.713	215938.287	61.697	0.3171
1613	80000.000	114331.995	-34331.995	42.915	1.0000
1615	40000.000	106451.052	-66451.052	166.128	1.0000
1618	335000.000	139696.771	195303.229	58.299	0.3506
1620	106500.000	153886.748	-47386.748	44.495	1.0000
1621	115000.000	118845.228	-3845.228	3.344	1.0000
1622	183000.000	138540.896	44459.104	24.295	1.0000
1623	129500.000	95432.563	34067.437	26.307	1.0000
1626	65000.000	101791.296	-36791.296	56.602	1.0000
1628	116000.000	154199.101	-38199.101	32.930	1.0000
1629	270000.000	92645.006	177354.994	65.687	0.3861
1630	335000.000	197791.330	137208.670	40.958	0.4991
1632	240000.000	224209.500	15790.500	6.579	1.0000
1633	55000.000	144464.228	-89464.228	162.662	0.7654
1634	175000.000	176761.140	-1761.140	1.006	1.0000
1636	95000.000	112392.255	-17392.255	18.308	1.0000
1638	259000.000	138684.227	120315.773	46.454	0.5691
1640	250000.000	113119.553	136880.447	54.752	0.5003

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
1641	120000.000	161393.446	-41393.446	34.495	1.0000
1642	45000.000	124984.995	-79984.995	177.744	0.8561
1645	95000.000	109105.480	-14105.480	14.848	1.0000
1648	136000.000	134587.986	1412.014	1.038	1.0000
1653	48000.000	138276.944	-90276.944	188.077	0.7585
1654	75000.000	112178.255	-37178.255	49.571	1.0000
1655	385000.000	181449.417	203550.583	52.870	0.3364
1656	160000.000	190151.845	-30151.845	18.845	1.0000
1658	630000.000	154268.619	475731.381	75.513	0.1439
1660	80000.000	89043.925	-9043.925	11.305	1.0000
1661	148000.000	147773.779	226.221	0.153	1.0000
1662	190000.000	148246.393	41753.607	21.976	1.0000
1663	52175.000	124156.722	-71981.722	137.962	0.9513
1665	70000.000	159701.864	-89701.864	128.146	0.7634
1666	200000.000	123286.542	76713.458	38.357	0.8926
1667	295000.000	134675.322	160324.678	54.347	0.4271
1668	307500.000	163817.253	143682.747	46.726	0.4766
1674	288500.000	160895.684	127604.316	44.230	0.5366
1675	315000.000	183205.637	131794.363	41.839	0.5196
1679	165000.000	117695.310	47304.690	28.670	1.0000
1683	157500.000	133887.081	23612.919	14.992	1.0000
1685	35000.000	122312.495	-87312.495	249.464	0.7843
1686	215000.000	190738.797	24261.203	11.284	1.0000
1687	220000.000	177492.666	42507.334	19.322	1.0000
1689	100000.000	146086.167	-46086.167	46.086	1.0000
1692	325000.000	172653.230	152346.770	46.876	0.4495
1693	37000.000	78634.006	-41634.006	112.524	1.0000
1694	94000.000	116757.231	-22757.231	24.210	1.0000
1696	50000.000	107237.155	-57237.155	114.474	1.0000
1697	185000.000	166296.235	18703.765	10.110	1.0000
1699	230000.000	142419.646	87580.354	38.078	0.7819
1702	60000.000	133646.680	-73646.680	122.744	0.9298
1703	85000.000	77716.224	7283.776	8.569	1.0000
1704	15000.000	123536.195	-108536.195	723.575	0.6309
1708	90000.000	121542.921	-31542.921	35.048	1.0000
1709	285000.000	111258.693	173741.307	60.962	0.3941
1713	49000.000	124980.895	-75980.895	155.063	0.9012
1715	42500.000	123060.057	-80560.057	189.553	0.8500
1717	228000.000	168069.790	59930.210	26.285	1.0000
1719	95000.000	142712.904	-47712.904	50.224	1.0000
1720	230000.000	147772.253	82227.747	35.751	0.8328
1722	62000.000	118486.572	-56486.572	91.107	1.0000
1725	35000.000	109608.147	-74608.147	213.166	0.9178

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
1727	100000.000	152867.179	-52867.179	52.867	1.0000
1732	260000.000	155698.820	104301.180	40.116	0.6565
1734	105000.000	141500.790	-36500.790	34.763	1.0000
1735	115000.000	124863.811	-9863.811	8.577	1.0000
1738	145000.000	99660.313	45339.687	31.269	1.0000
1740	100000.000	145189.677	-45189.677	45.190	1.0000
1743	80000.000	120389.488	-40389.488	50.487	1.0000
1745	50000.000	102314.566	-52314.566	104.629	1.0000
1747	135000.000	149560.615	-14560.615	10.786	1.0000
1749	45000.000	105717.208	-60717.208	134.927	1.0000
1750	260000.000	166128.503	93871.497	36.104	0.7295
1751	80050.000	183789.104	-103739.104	129.593	0.6601
1752	205000.000	164356.782	40643.218	19.826	1.0000
1754	287000.000	168586.484	118413.516	41.259	0.5783
1757	135000.000	174129.817	-39129.817	28.985	1.0000
1758	120000.000	158857.517	-38857.517	32.381	1.0000
1759	270000.000	130875.155	139124.845	51.528	0.4922
1762	30000.000	116914.526	-86914.526	289.715	0.7879
1764	107000.000	90578.198	16421.802	15.347	1.0000
1773	235000.000	161887.031	73112.969	31.112	0.9366
1777	260000.000	160057.825	99942.175	38.439	0.6852
1780	63000.000	100718.138	-37718.138	59.870	1.0000
1781	55000.000	115100.768	-60100.768	109.274	1.0000
1785	150000.000	139865.608	10134.392	6.756	1.0000
1786	240000.000	143639.936	96360.064	40.150	0.7106
1787	120000.000	119807.364	192.636	0.161	1.0000
1790	49500.000	133543.111	-84043.111	169.784	0.8148
1793	170000.000	84681.671	85318.329	50.187	0.8026
1795	73500.000	107554.205	-34054.205	46.332	1.0000
1798	85000.000	115125.320	-30125.320	35.442	1.0000
1800	59000.000	112555.792	-53555.792	90.773	1.0000
1801	282500.000	125486.232	157013.768	55.580	0.4361
1802	50000.000	69017.293	-19017.293	38.035	1.0000
1805	245000.000	155613.453	89386.547	36.484	0.7661
1806	175000.000	147972.262	27027.738	15.444	1.0000
1809	320000.000	127404.424	192595.576	60.186	0.3555
1810	215000.000	147016.805	67983.195	31.620	1.0000
1812	122200.000	109008.097	13191.903	10.795	1.0000
1815	84500.000	132647.480	-48147.480	56.979	1.0000
1816	103677.214	95017.812	8659.402	8.352	1.0000

Robust Multiple Regression Report

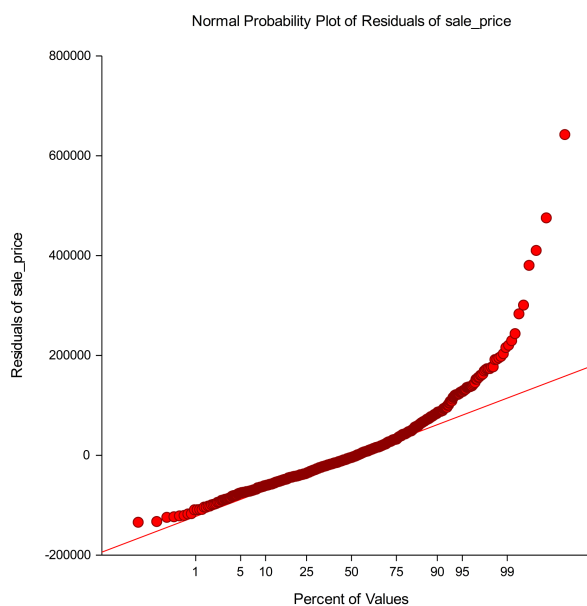
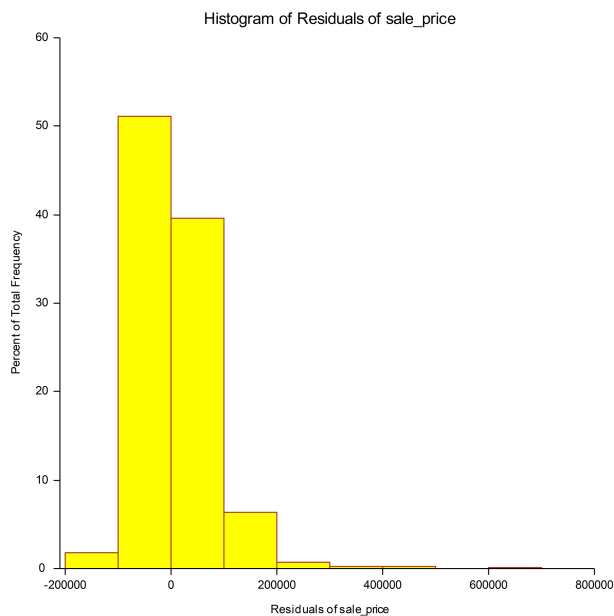
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

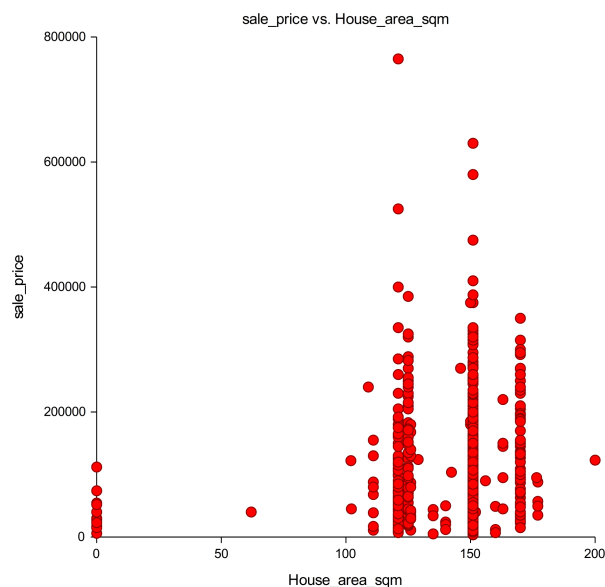
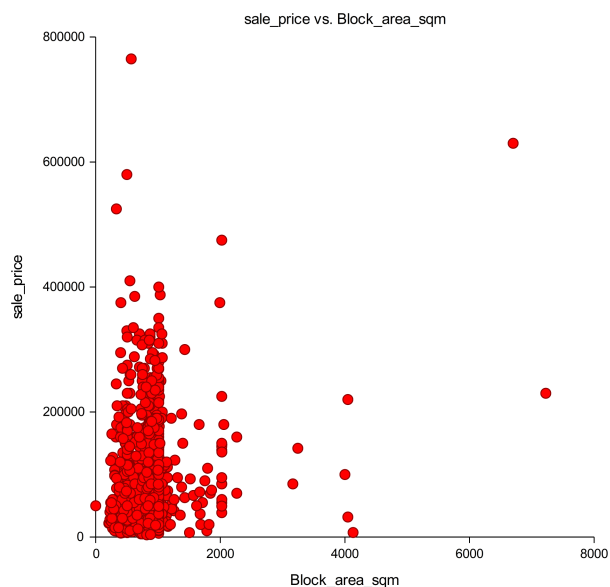
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Warning: Variable(Dummy_2010) has been zeroed out. Remove it to prevent errors!

Distributional Plots of Residuals



Y vs X Plots



Robust Multiple Regression Report

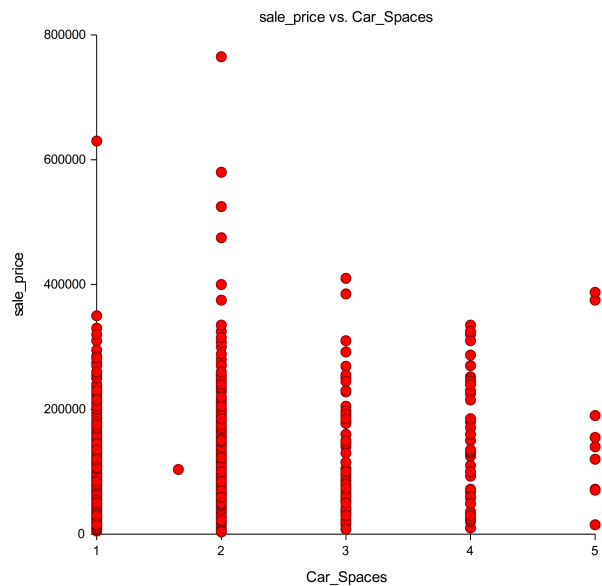
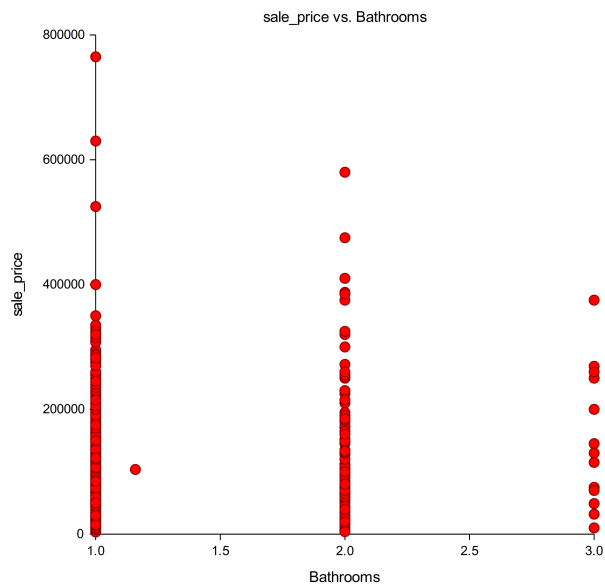
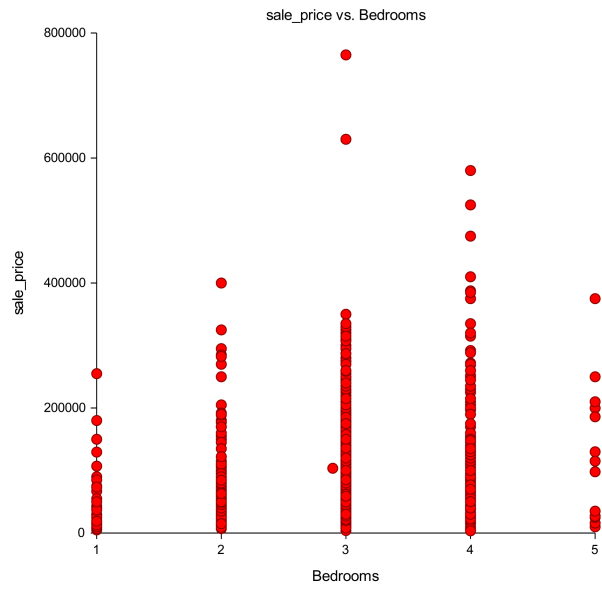
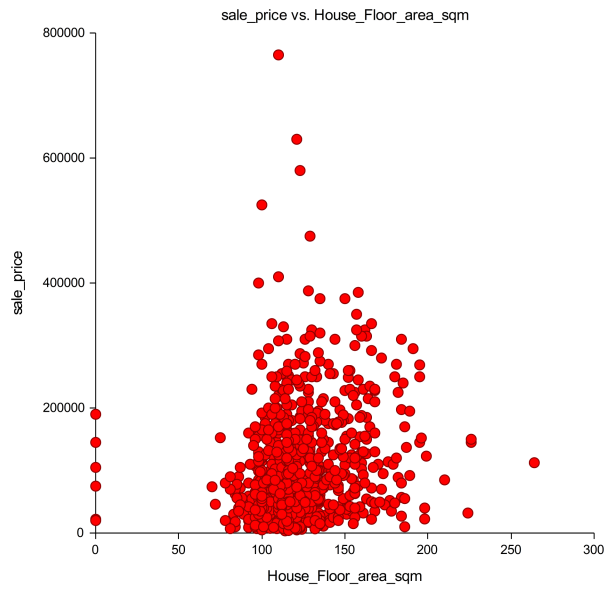
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

Warning: Variable(Dummy_2010) has been zeroed out. Remove it to prevent errors!

Y vs X Plots (Continued)



Robust Multiple Regression Report

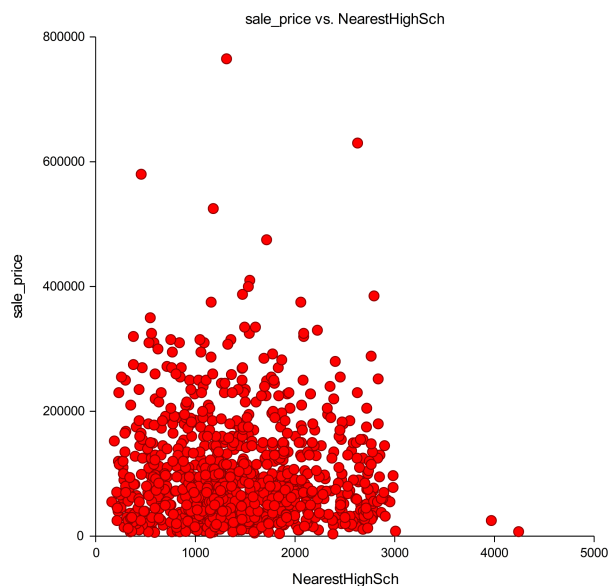
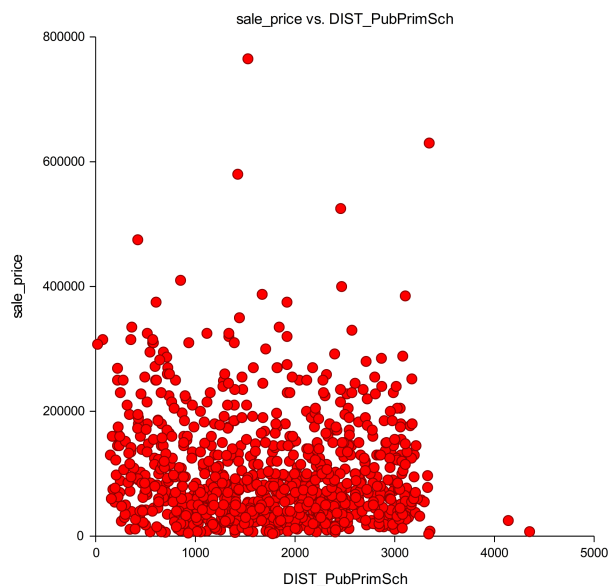
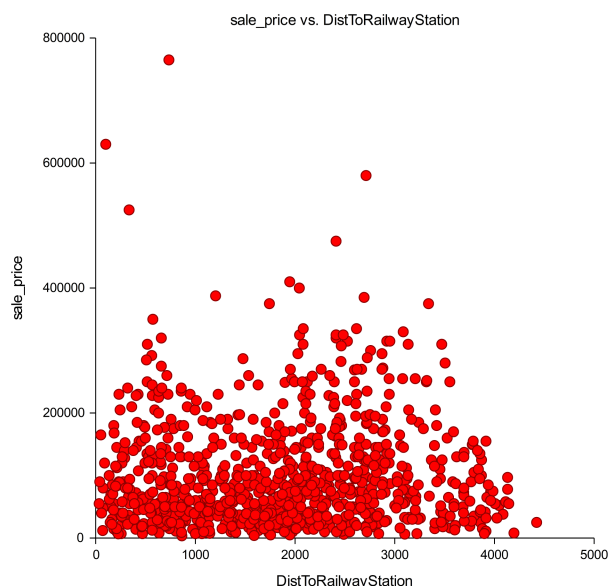
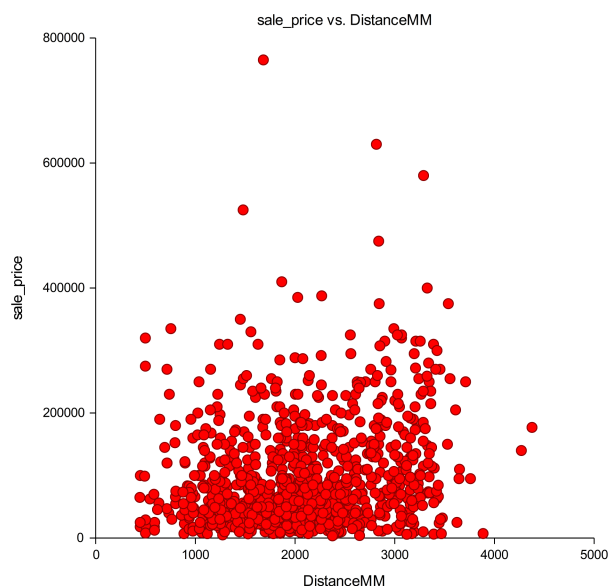
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

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Y vs X Plots (Continued)



Robust Multiple Regression Report

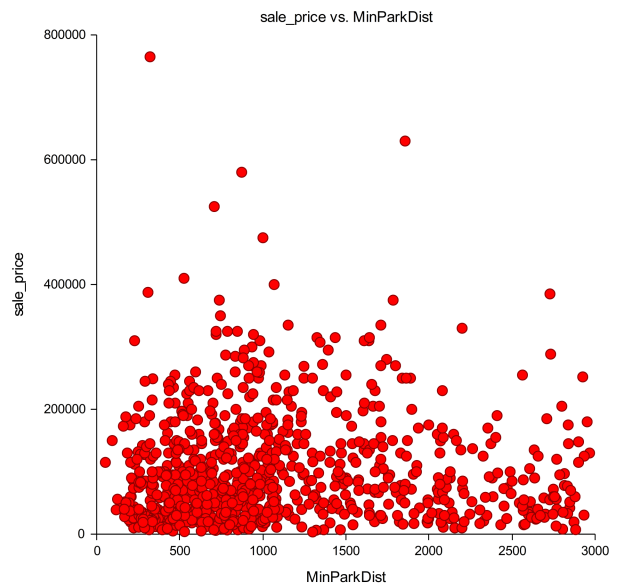
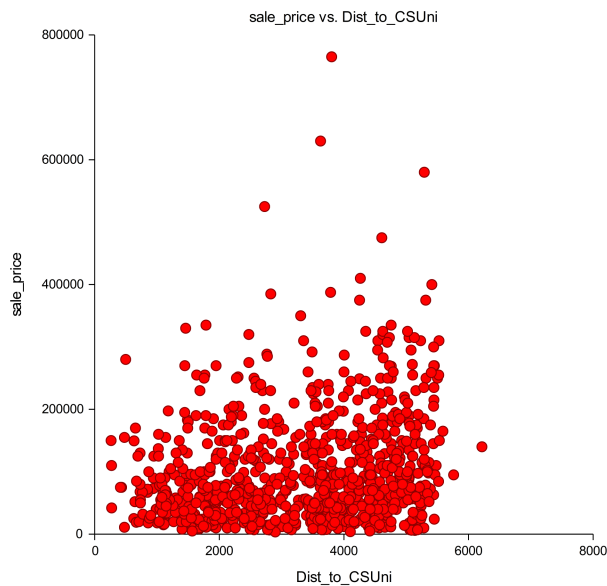
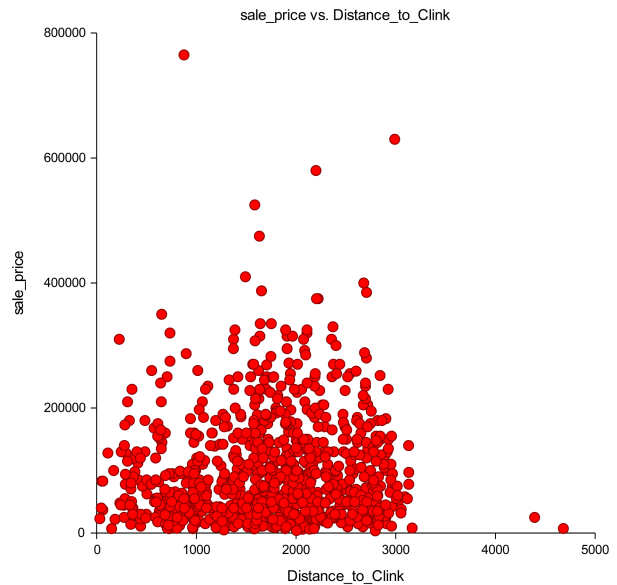
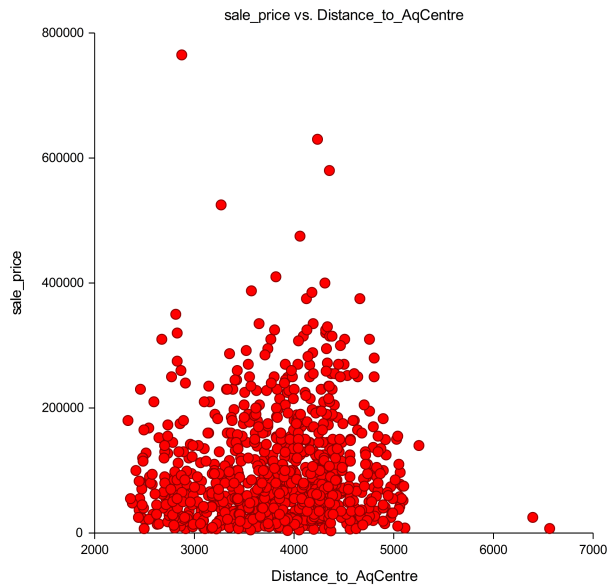
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

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Y vs X Plots (Continued)



Robust Multiple Regression Report

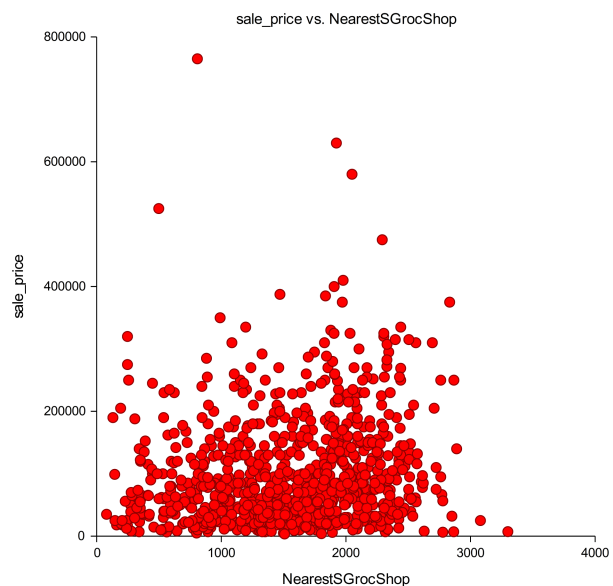
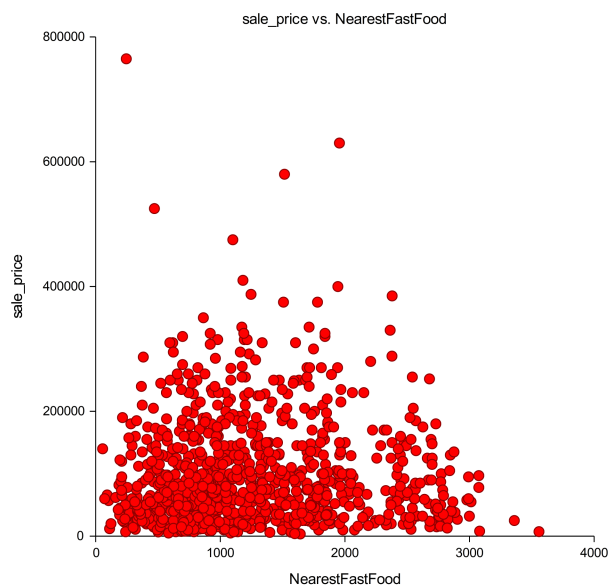
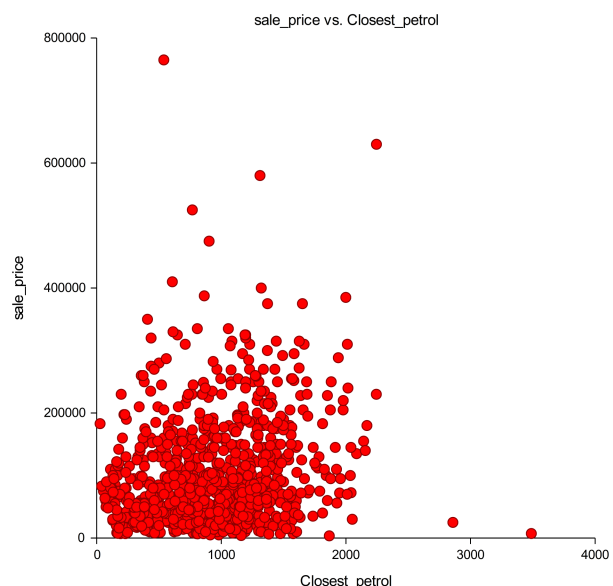
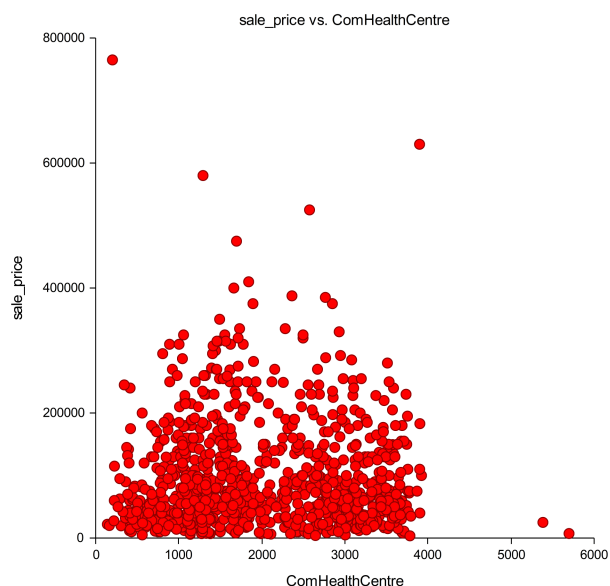
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Y vs X Plots (Continued)



Robust Multiple Regression Report

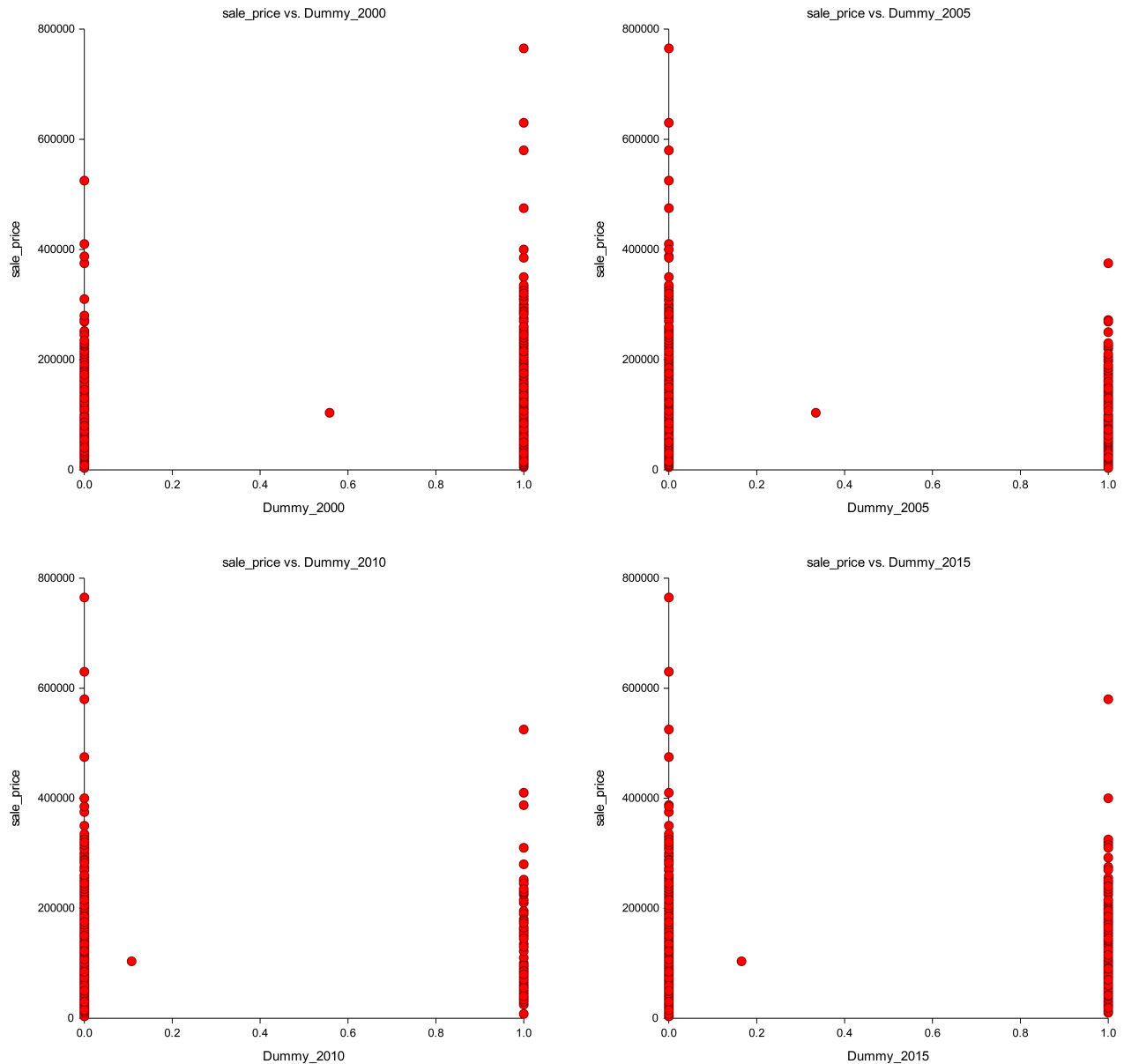
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

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Y vs X Plots (Continued)



Robust Multiple Regression Report

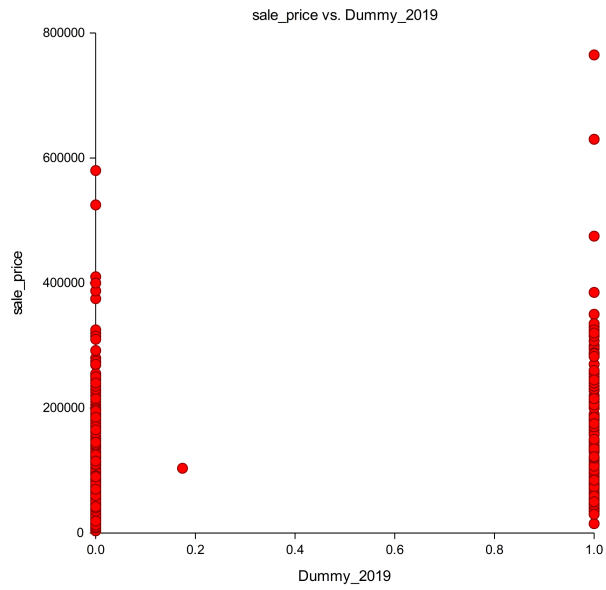
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

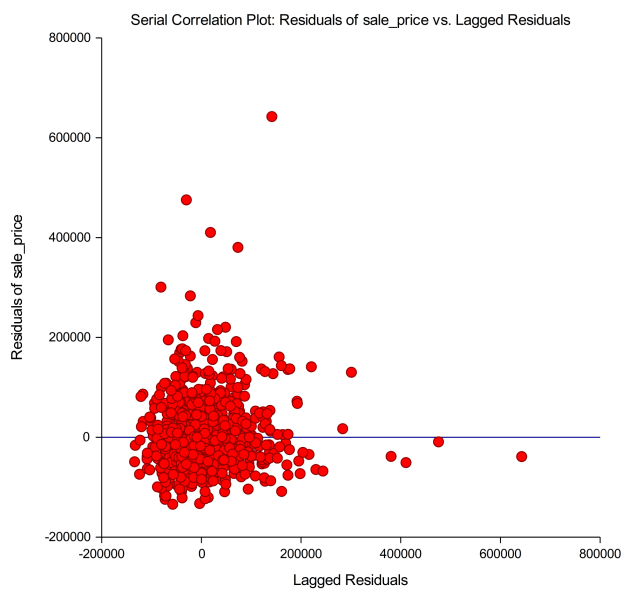
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Warning: Variable(Dummy_2010) has been zeroed out. Remove it to prevent errors!

Y vs X Plots (Continued)



Serial Correlation Plot: Residuals vs Lagged Residuals



Robust Multiple Regression Report

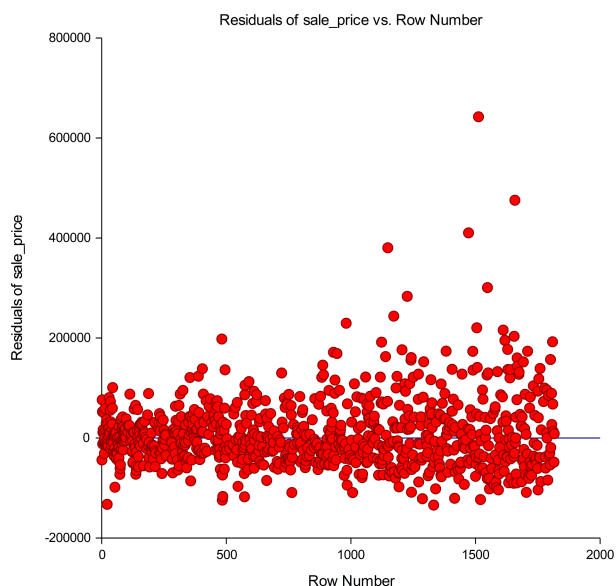
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Dependent sale_price

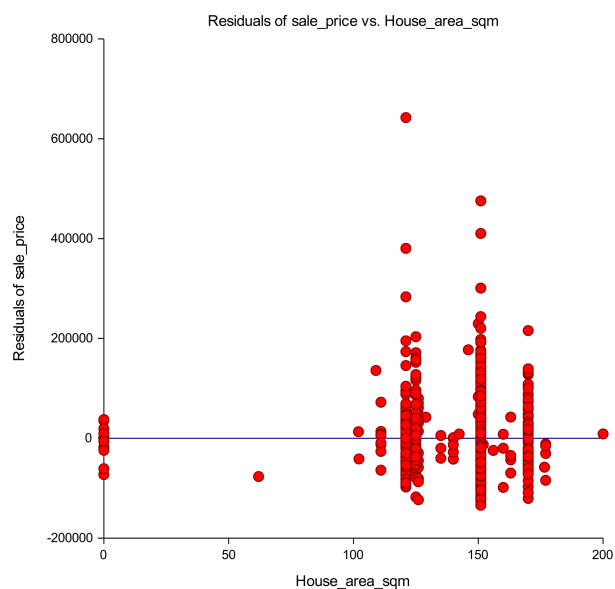
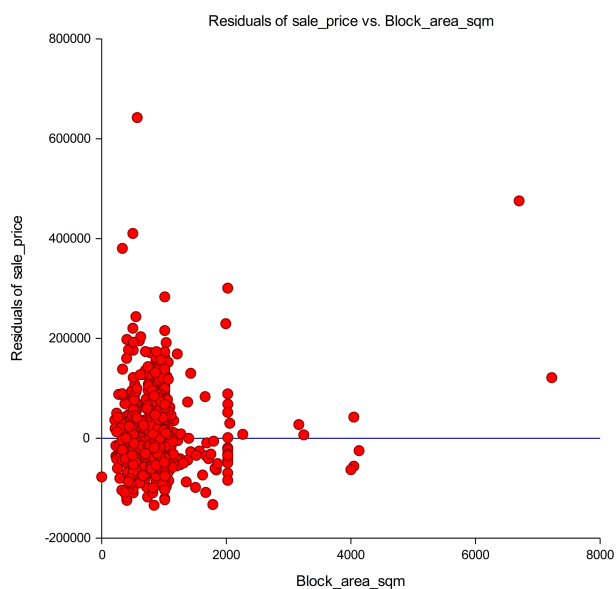
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Warning: Variable(Dummy_2010) has been zeroed out. Remove it to prevent errors!

Sequence Plot: Residuals vs Row



Residuals vs X Plots



Robust Multiple Regression Report

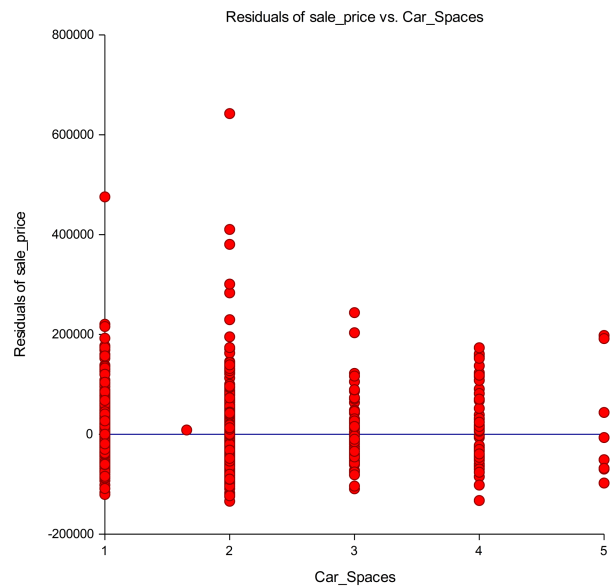
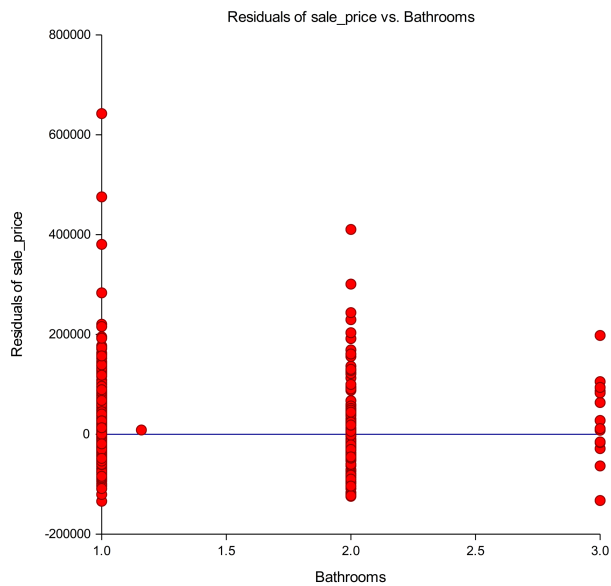
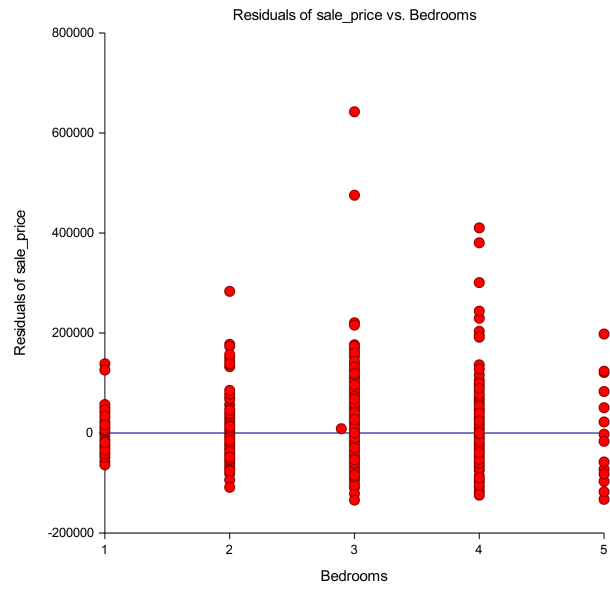
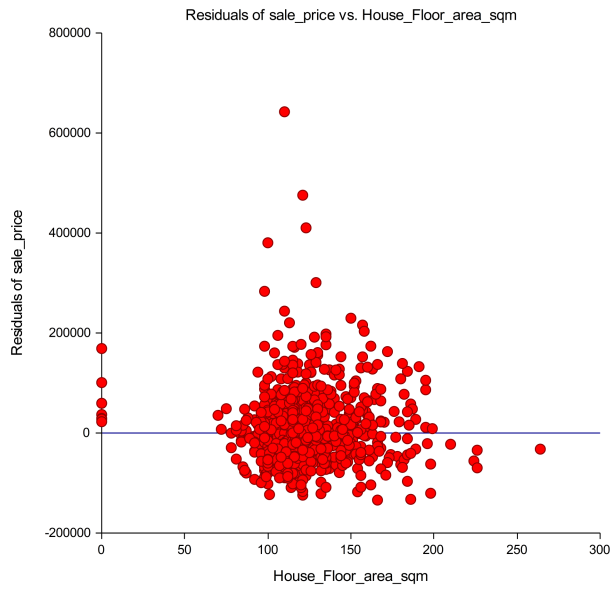
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

Warning: Variable(Dummy_2010) has been zeroed out. Remove it to prevent errors!

Residuals vs X Plots (Continued)



Robust Multiple Regression Report

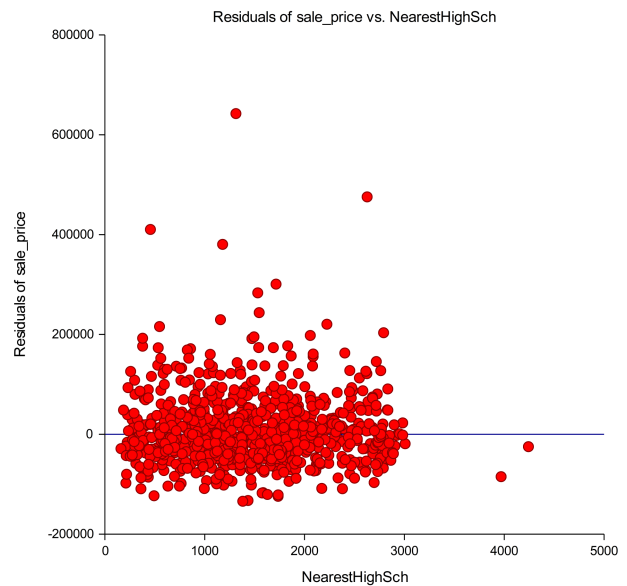
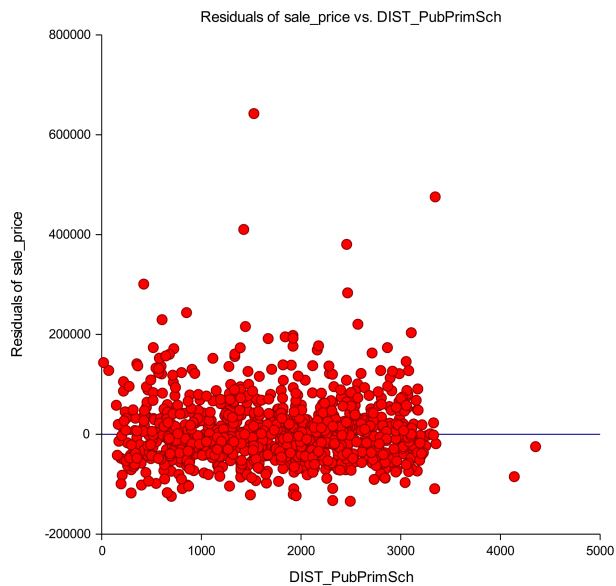
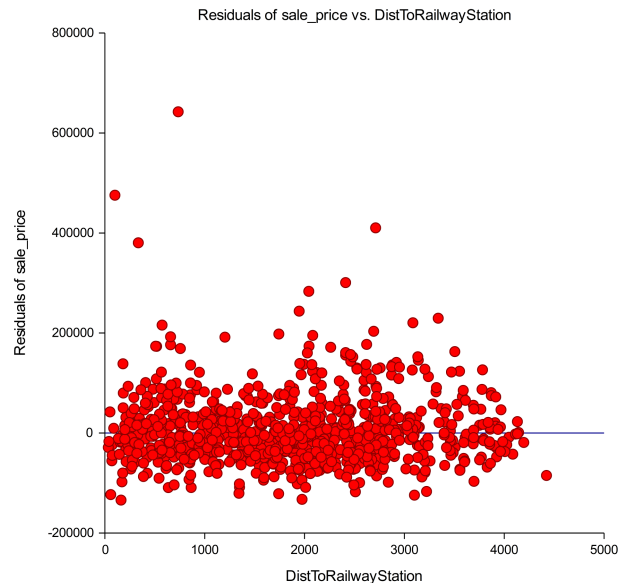
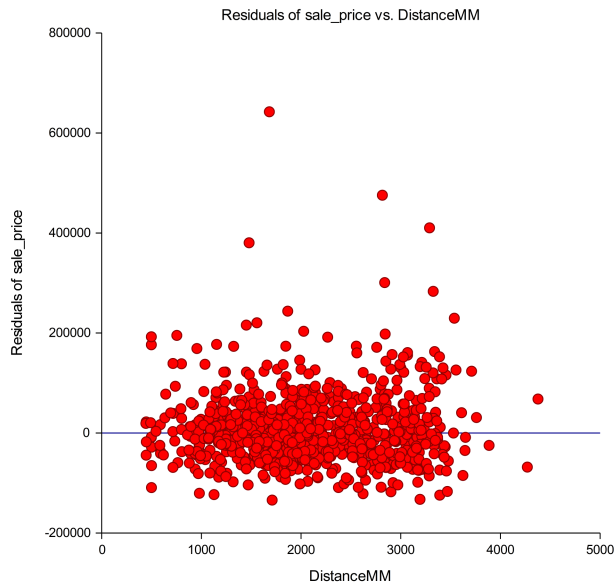
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Dependent sale_price

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Residuals vs X Plots (Continued)



Robust Multiple Regression Report

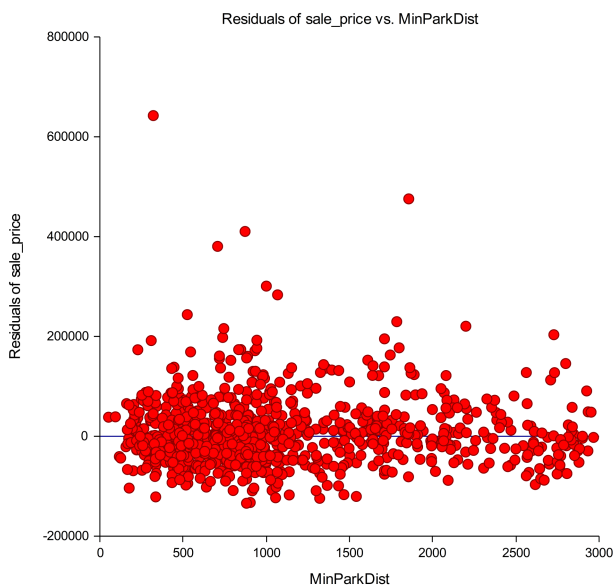
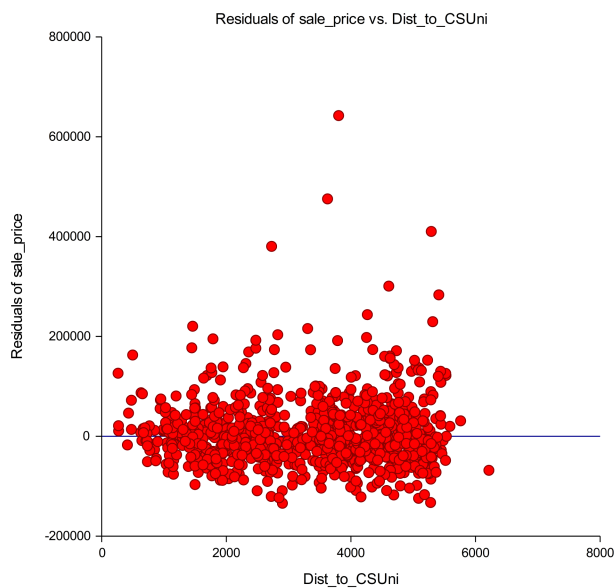
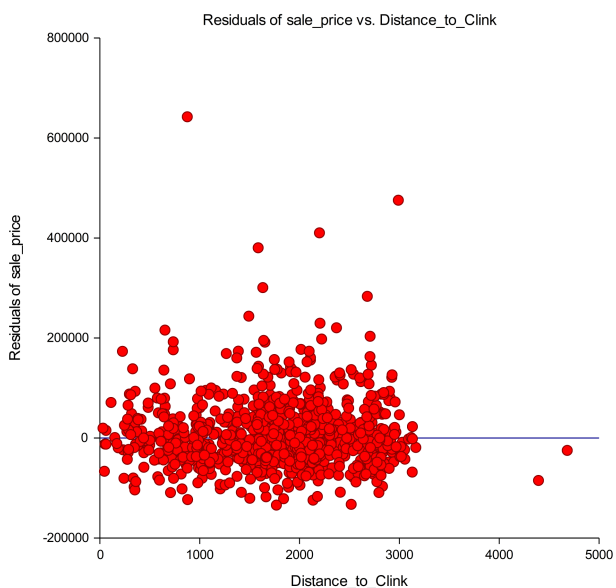
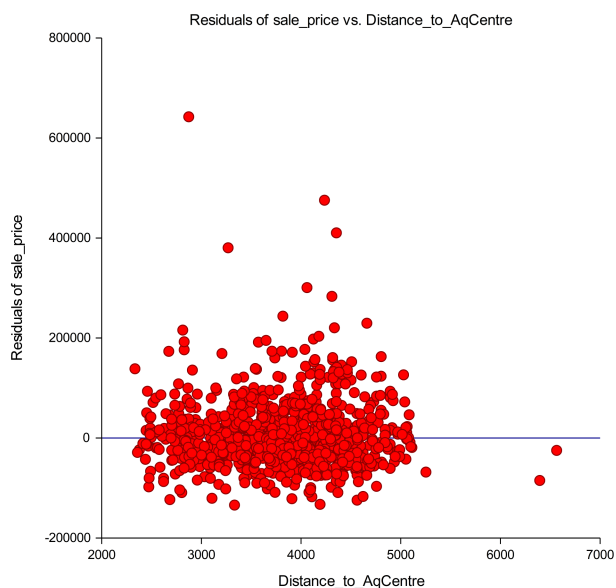
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

Warning: Variable(Dummy_2010) has been zeroed out. Remove it to prevent errors!

Residuals vs X Plots (Continued)



Robust Multiple Regression Report

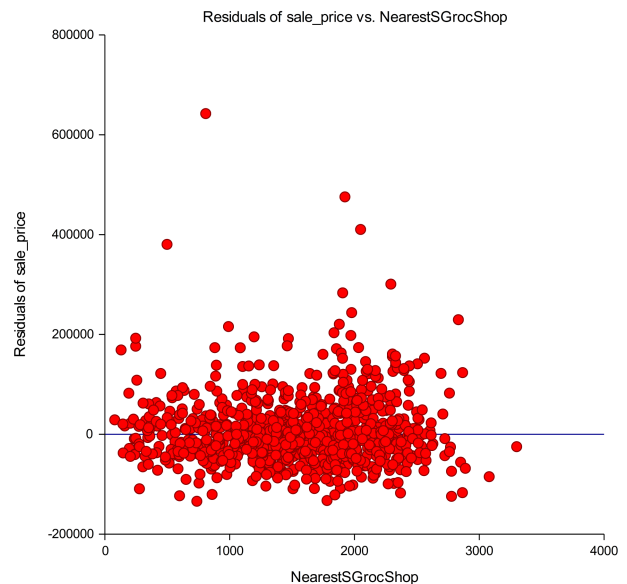
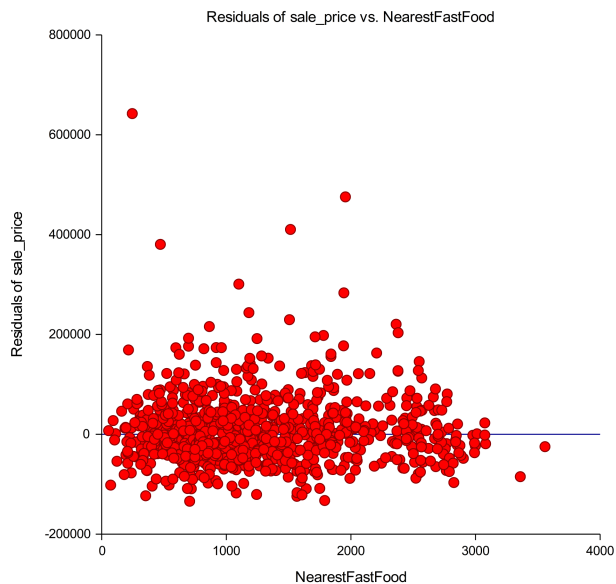
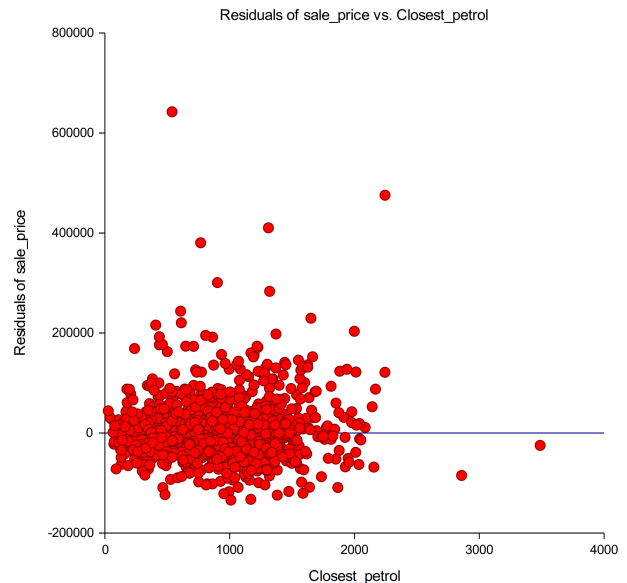
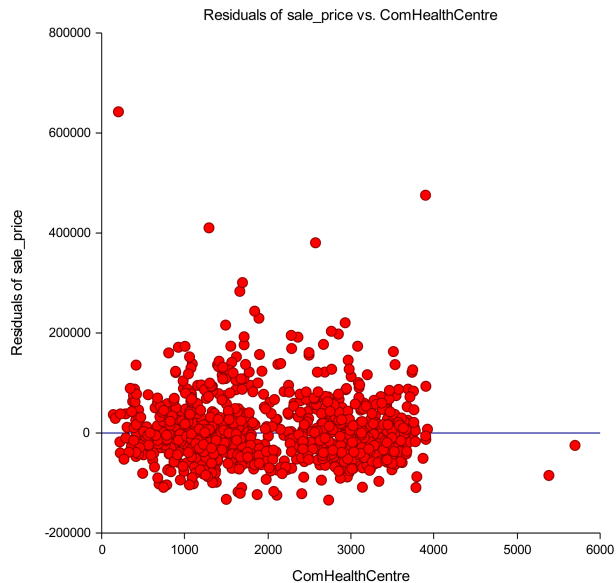
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Dependent sale_price

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Residuals vs X Plots (Continued)



Robust Multiple Regression Report

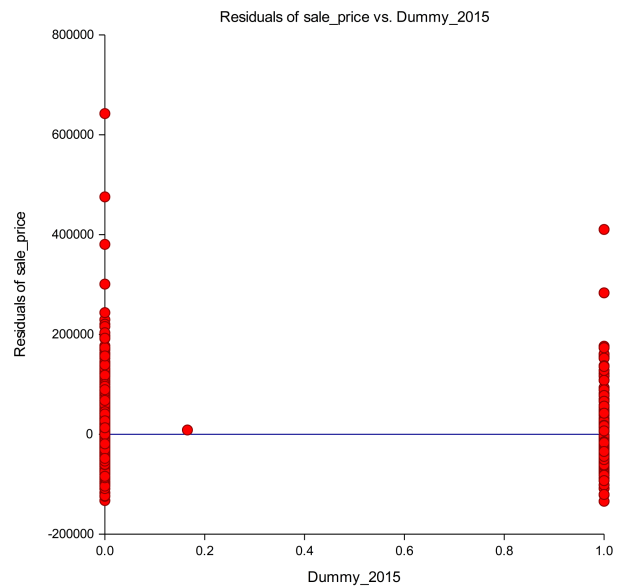
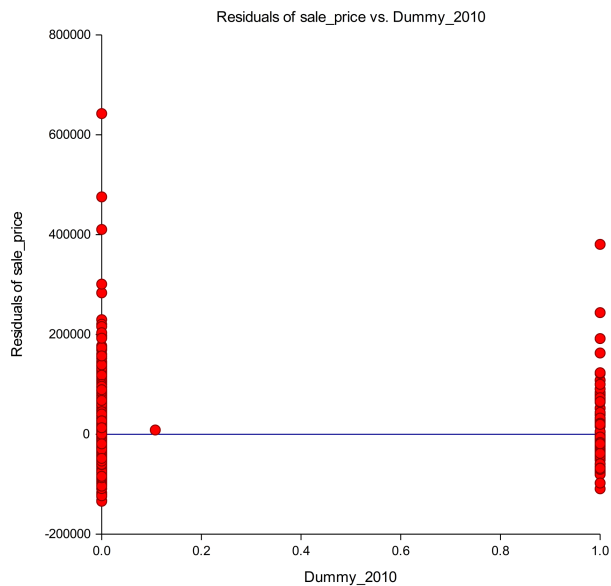
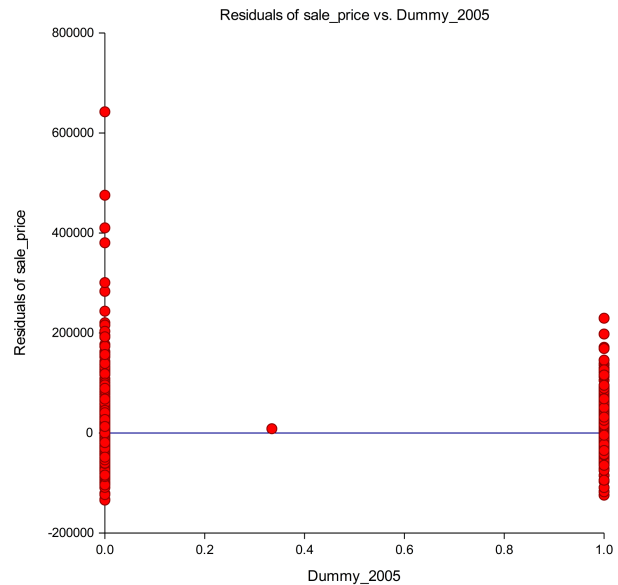
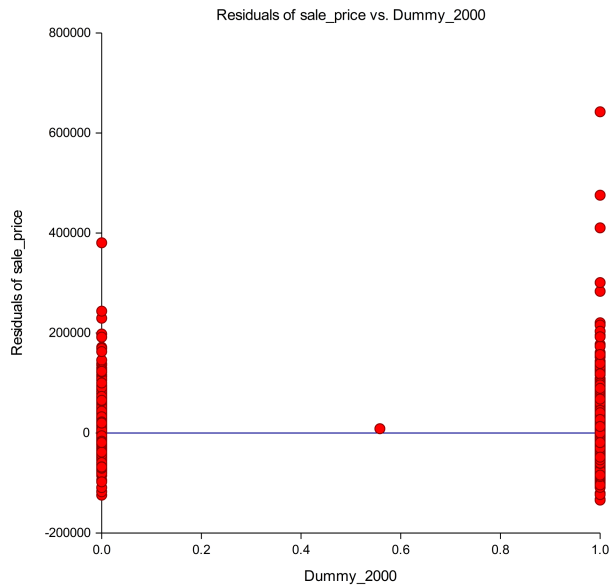
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Residuals vs X Plots (Continued)



Robust Multiple Regression Report

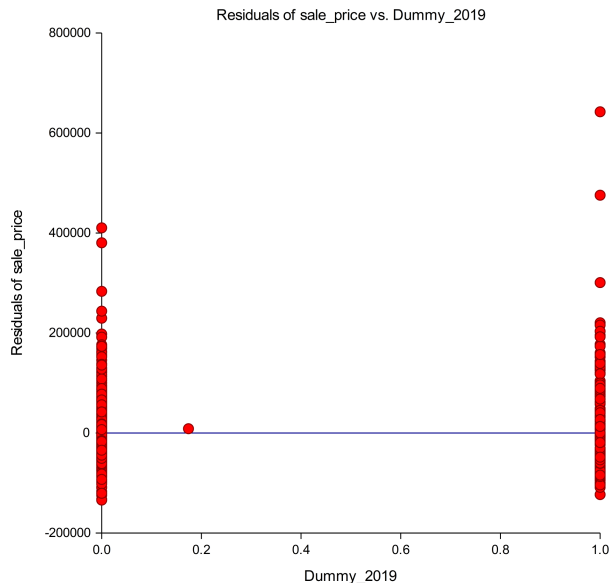
Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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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_11-14_49_22.t158

Variables, Model Tab

-- Variables -----

Y:	sale_price
Numeric X's:	Block_area_sqm, House_area_sqm, House_Floor_area_sqm, Bedrooms, Bathrooms, Car_Spaces, DistanceMM, DistToRailwayStation, DIST_PubPrimSch, NearestHighSch, Distance_to_AqCentre, Distance_to_Clink, Dist_to_CSUni, MinParkDist, ComHealthCentre, Closest_petrol, NearestFastFood, NearestSGrocShop, Dummy_2000, Dummy_2005, Dummy_2010, Dummy_2015, Dummy_2019
Categorical X's:	<Empty>
Weights:	<Empty>

-- Regression Model -----

Terms:	1-Way
Remove Intercept	Unchecked

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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Procedure Input Settings (Continued)**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

.. 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

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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

.. 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
.. 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 ≥	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
R ² , 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

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

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

-- Select Plots -----	
.. Distribution of Residuals	
Histogram	Checked
Probability Plot	Checked
.. Y vs X	
Y vs X	Checked
.. Residual Analysis Plots	
Serial Correlation	Checked
Resids vs Row	Checked
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

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

Robust Multiple Regression Report

Dataset C:\Users\Dr_Ia\Desktop\BHTotalDataSaleDateAvValues313jan2023.NCSS

Dependent sale_price

Warning: At least one value was reset to 0.0 because it was less than the NCSS machine zero of 1E-20. To change the machine zero, choose File > System Options (or Report Options) from the menu and select the Constants tab.

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

.. 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