

Robust Multiple Regression Report

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

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	Ln_Sale_Price	Number Processed	1815
Number Ind. Variables	19	Number Used in Estimation	880
Weight Variable	None	Number Filtered Out	0
Robust Method	Huber's Method	Number with X's Missing	935
Tuning Constant	1.345	Number with Weight Missing	0
MAD Scale Factor	0.6745	Number with Y Missing	0
		Sum of Robust Weights	841.053
Run Information	Value		
Iterations	12		
Max % Change in any Coef	0.000		
R ² after Robust Weighting	0.2906		
S using MAD	0.68		
S using MSE	0.64		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
Block_area_sqm	880	851.569	475.947	215	7224
House_area_sqm	880	145.565	14.415	62	200
House_Floor_area_sqm	880	123.049	23.398	0	264
Bedrooms	880	2.902	0.744	1	5
Bathrooms	880	1.151	0.388	1	3
Car_Spaces	880	1.652	0.903	1	5
DistanceMM	880	2083.680	718.886	442.898021	4376.363816
DistToRailwayStation	880	1874.708	1002.658	34.29750731	4422.740784
DIST_PubPrimSch	880	1748.933	831.638	18.34186983	4352.216985
NearestHighSch	880	1458.815	671.291	161.1115651	4242.345503
Distance_to_AqCentre	880	3822.664	626.437	2333.537576	6563.688285
Distance_to_Clink	880	1762.319	715.296	31.20377581	4681.149451
Dist_to_CSUni	880	3309.197	1331.134	262.4151884	6214.538493
MinParkDist	880	1077.975	685.042	51.96188407	2966.492051
ComHealthCentre	880	2032.520	972.329	201.0286832	5697.608351
Closest_petrol	880	927.519	451.836	26.82141689	3487.565228
NearestFastFood	880	1276.195	680.872	55.31352241	3557.359195
DistToHosp	880	1937.512	1096.021	173.953271	4976.465939
NearestSGrocShop	880	1541.722	600.358	78.67747724	3299.31823
Ln_Sale_Price	880	11.885	0.751	8.97716794922457	13.8318441260068

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Robust Iterations - Coefficients

Robust Iteration	Max Percent Change in Coefficients	b(0)	b(1)	b(2)	b(3)
0		12.43297	0.00007	-0.00414	0.00486
1	743.927	11.97537	0.00005	-0.00455	0.00513
2	62.408	11.85520	0.00005	-0.00475	0.00514
3	23.543	11.82868	0.00005	-0.00480	0.00514
4	8.356	11.82210	0.00005	-0.00482	0.00514
5	2.250	11.82028	0.00005	-0.00483	0.00514
6	0.572	11.81972	0.00005	-0.00483	0.00514
7	0.140	11.81955	0.00005	-0.00483	0.00514
8	0.032	11.81949	0.00005	-0.00483	0.00514
9	0.007	11.81947	0.00005	-0.00483	0.00514
10	0.002	11.81946	0.00005	-0.00483	0.00514
11	0.001	11.81946	0.00005	-0.00483	0.00514
12	0.000	11.81945	0.00005	-0.00483	0.00514

Robust Iterations - Residuals

Robust Iteration	Max Percent Change in Coefficients	Percentiles of Absolute Residuals			
		25th	50th	75th	100th
0		0.238	0.488	0.788	3.223
1	743.927	0.235	0.475	0.782	3.341
2	62.408	0.234	0.474	0.778	3.363
3	23.543	0.233	0.473	0.778	3.368
4	8.356	0.232	0.473	0.778	3.370
5	2.250	0.232	0.473	0.778	3.370
6	0.572	0.232	0.473	0.779	3.370
7	0.140	0.232	0.473	0.779	3.370
8	0.032	0.232	0.473	0.779	3.370
9	0.007	0.232	0.473	0.779	3.370
10	0.002	0.232	0.473	0.779	3.370
11	0.001	0.232	0.473	0.779	3.370
12	0.000	0.232	0.473	0.779	3.370

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Regression Coefficients T-Tests Assuming Fixed Weights

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standard-ized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?
Intercept	11.81945	0.993409	0.0000	11.898	0.0000	Yes
Block_area_sqm	0.00005	0.000052	0.0324	0.985	0.3247	No
House_area_sqm	-0.00483	0.001657	-0.0927	-2.913	0.0037	Yes
House_Floor_area_sqm	0.00514	0.001085	0.1601	4.736	0.0000	Yes
Bedrooms	0.35153	0.032930	0.3483	10.675	0.0000	Yes
Bathrooms	-0.09591	0.061095	-0.0495	-1.570	0.1168	No
Car_Spaces	0.11181	0.025926	0.1344	4.313	0.0000	Yes
DistanceMM	-0.00002	0.000075	-0.0181	-0.252	0.8009	No
DistToRailwayStation	-0.00004	0.000187	-0.0601	-0.241	0.8099	No
DIST_PubPrimSch	-0.00011	0.000142	-0.1245	-0.794	0.4274	No
NearestHighSch	-0.00025	0.000089	-0.2251	-2.820	0.0049	Yes
Distance_to_AqCentre	-0.00053	0.000430	-0.4394	-1.224	0.2212	No
Distance_to_Clink	0.00060	0.000300	0.5748	2.014	0.0443	Yes
Dist_to_CSUni	-0.00001	0.000131	-0.0187	-0.081	0.9356	No
MinParkDist	0.00001	0.000105	0.0101	0.105	0.9161	No
ComHealthCentre	0.00008	0.000203	0.1078	0.411	0.6813	No
Closest_petrol	0.00004	0.000112	0.0246	0.366	0.7148	No
NearestFastFood	-0.00020	0.000181	-0.1834	-1.120	0.2632	No
DistToHosp	0.00004	0.000192	0.0548	0.196	0.8450	No
NearestSGrocShop	0.00041	0.000227	0.3307	1.824	0.0685	No

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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	11.81945	1.048141	0.0000	11.277	0.0000	Yes
Block_area_sqm	0.00005	0.000055	0.0324	0.927	0.3544	No
House_area_sqm	-0.00483	0.001780	-0.0927	-2.712	0.0068	Yes
House_Floor_area_sqm	0.00514	0.001162	0.1601	4.423	0.0000	Yes
Bedrooms	0.35153	0.035115	0.3483	10.011	0.0000	Yes
Bathrooms	-0.09591	0.065491	-0.0495	-1.465	0.1434	No
Car_Spaces	0.11181	0.028112	0.1344	3.977	0.0001	Yes
DistanceMM	-0.00002	0.000082	-0.0181	-0.231	0.8171	No
DistToRailwayStation	-0.00004	0.000199	-0.0601	-0.226	0.8215	No
DIST_PubPrimSch	-0.00011	0.000153	-0.1245	-0.734	0.4631	No
NearestHighSch	-0.00025	0.000096	-0.2251	-2.624	0.0088	Yes
Distance_to_AqCentre	-0.00053	0.000453	-0.4394	-1.162	0.2455	No
Distance_to_Clink	0.00060	0.000318	0.5748	1.895	0.0584	No
Dist_to_CSUni	-0.00001	0.000140	-0.0187	-0.075	0.9399	No
MinParkDist	0.00001	0.000112	0.0101	0.099	0.9214	No
ComHealthCentre	0.00008	0.000217	0.1078	0.383	0.7015	No
Closest_petrol	0.00004	0.000121	0.0246	0.338	0.7354	No
NearestFastFood	-0.00020	0.000194	-0.1834	-1.041	0.2980	No
DistToHosp	0.00004	0.000207	0.0548	0.181	0.8562	No
NearestSGrocShop	0.00041	0.000244	0.3307	1.696	0.0902	No

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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	11.81945	0.993409	9.87241	13.76650
Block_area_sqm	0.00005	0.000052	-0.00005	0.00015
House_area_sqm	-0.00483	0.001657	-0.00808	-0.00158
House_Floor_area_sqm	0.00514	0.001085	0.00301	0.00726
Bedrooms	0.35153	0.032930	0.28698	0.41607
Bathrooms	-0.09591	0.061095	-0.21566	0.02383
Car_Spaces	0.11181	0.025926	0.06099	0.16262
DistanceMM	-0.00002	0.000075	-0.00017	0.00013
DistToRailwayStation	-0.00004	0.000187	-0.00041	0.00032
DIST_PubPrimSch	-0.00011	0.000142	-0.00039	0.00017
NearestHighSch	-0.00025	0.000089	-0.00043	-0.00008
Distance_to_AqCentre	-0.00053	0.000430	-0.00137	0.00032
Distance_to_Clink	0.00060	0.000300	0.00002	0.00119
Dist_to_CSUni	-0.00001	0.000131	-0.00027	0.00025
MinParkDist	0.00001	0.000105	-0.00020	0.00022
ComHealthCentre	0.00008	0.000203	-0.00031	0.00048
Closest_petrol	0.00004	0.000112	-0.00018	0.00026
NearestFastFood	-0.00020	0.000181	-0.00056	0.00015
DistToHosp	0.00004	0.000192	-0.00034	0.00041
NearestSGrocShop	0.00041	0.000227	-0.00003	0.00086

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	11.81945	1.048141	9.76514	13.87377
Block_area_sqm	0.00005	0.000055	-0.00006	0.00016
House_area_sqm	-0.00483	0.001780	-0.00832	-0.00134
House_Floor_area_sqm	0.00514	0.001162	0.00286	0.00741
Bedrooms	0.35153	0.035115	0.28270	0.42035
Bathrooms	-0.09591	0.065491	-0.22427	0.03245
Car_Spaces	0.11181	0.028112	0.05671	0.16691
DistanceMM	-0.00002	0.000082	-0.00018	0.00014
DistToRailwayStation	-0.00004	0.000199	-0.00044	0.00035
DIST_PubPrimSch	-0.00011	0.000153	-0.00041	0.00019
NearestHighSch	-0.00025	0.000096	-0.00044	-0.00006
Distance_to_AqCentre	-0.00053	0.000453	-0.00142	0.00036
Distance_to_Clink	0.00060	0.000318	-0.00002	0.00123
Dist_to_CSUni	-0.00001	0.000140	-0.00029	0.00026
MinParkDist	0.00001	0.000112	-0.00021	0.00023
ComHealthCentre	0.00008	0.000217	-0.00034	0.00051
Closest_petrol	0.00004	0.000121	-0.00020	0.00028
NearestFastFood	-0.00020	0.000194	-0.00058	0.00018
DistToHosp	0.00004	0.000207	-0.00037	0.00044
NearestSGrocShop	0.00041	0.000244	-0.00006	0.00089

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

Estimated Equation

Ln_Sale_Price =
 11.8194543767603 + 5.11916849723543E-05 * Block_area_sqm - 0.00482772508873854 * House_area_sqm +
 0.00513799759670622 * House_Floor_area_sqm + 0.351525605483587 * Bedrooms - 0.0959137588790332 *
 Bathrooms + 0.111808287885596 * Car_Spaces - 1.89468454137224E-05 * DistanceMM -
 4.49847438022836E-05 * DistToRailwayStation - 0.000112427140448309 * DIST_PubPrimSch -
 0.000251864351304559 * NearestHighSch - 0.00052677457130236 * Distance_to_AqCentre +
 0.000603487996475349 * Distance_to_Clink - 1.05769360091985E-05 * Dist_to_CSUni +
 1.11004874049983E-05 * MinParkDist + 8.32287483146466E-05 * ComHealthCentre + 4.09011104233587E-05
 * Closest_petrol - 0.000202295600189314 * NearestFastFood + 3.75359448967292E-05 * DistToHosp +
 0.000413686210908602 * NearestSGrocShop

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Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level
Intercept	1		118807.15	118807.15		
Model	19	0.2906	144.05	7.58	18.537	0.0000
Error	860	0.7094	351.72	0.41		
Total(Adjusted)	879	1.0000	495.77	0.56		

PRESS Report

Parameter	From PRESS Residuals	From Regular Residuals
Sum of Squared Residuals	484.01	351.72
Sum of Residuals	509.73	498.40
R ²	0.0237	0.2906

Normality Tests

Test Name	Test Statistic to Test H0: Normal	Prob Level	Reject H0 at 20%?
Shapiro Wilk	0.977	0.0000	Yes
Anderson Darling	3.812	0.0000	Yes
D'Agostino Skewness	-8.739	0.0000	Yes
D'Agostino Kurtosis	5.119	0.0000	Yes
D'Agostino Omnibus	102.580	0.0000	Yes

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Serial Correlation of Residuals

Lag	Serial Correlation	Lag	Serial Correlation	Lag	Serial Correlation
1	0.1277	9	0.2014	17	0.0772
2	0.1150	10	0.1973	18	0.0954
3	0.1309	11	0.1333	19	0.0805
4	0.1229	12	0.1104	20	0.1036
5	0.1471	13	0.0978	21	0.1399
6	0.1016	14	0.1063	22	0.1008
7	0.1085	15	0.1243	23	0.0584
8	0.0781	16	0.0936	24	0.1171

Above serial correlations are significant if their absolute values are greater than 0.0674.

Durbin-Watson Test For Serial Correlation

Parameter	Test Statistic to Test H0: $\rho(1) = 0$?	Reject H0 at 20%?
Durbin-Watson Value	1.743	
Prob. Level: Positive Serial Correlation	0.4102	No
Prob. Level: Negative Serial Correlation	0.5815	No

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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	0.0224	0.0224	0.0008	0.0224	0.0011
House_area_sqm	0.0243	0.0019	0.0070	0.0044	0.0098
House_Floor_area_sqm	0.0899	0.0656	0.0185	0.0812	0.0254
Bedrooms	0.2286	0.1387	0.0940	0.1781	0.1170
Bathrooms	0.2288	0.0002	0.0020	0.0232	0.0029
Car_Spaces	0.2445	0.0157	0.0153	0.0754	0.0212
DistanceMM	0.2636	0.0191	0.0001	0.0593	0.0001
DistToRailwayStation	0.2658	0.0022	0.0000	0.0044	0.0001
DIST_PubPrimSch	0.2672	0.0014	0.0005	0.0171	0.0007
NearestHighSch	0.2692	0.0020	0.0066	0.0007	0.0092
Distance_to_AqCentre	0.2724	0.0032	0.0012	0.0106	0.0017
Distance_to_Clink	0.2786	0.0062	0.0033	0.0057	0.0047
Dist_to_CSUni	0.2790	0.0004	0.0000	0.0493	0.0000
MinParkDist	0.2864	0.0074	0.0000	0.0013	0.0000
ComHealthCentre	0.2869	0.0005	0.0001	0.0009	0.0002
Closest_petrol	0.2873	0.0004	0.0001	0.0454	0.0002
NearestFastFood	0.2873	0.0000	0.0010	0.0006	0.0015
DistToHosp	0.2878	0.0005	0.0000	0.0110	0.0000
NearestSGrocShop	0.2906	0.0027	0.0027	0.0451	0.0039

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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	0.2906	0.41			
Block_area_sqm	0.2898	0.41	18.971	0.3247	0.2391
House_area_sqm	0.2836	0.41	26.488	0.0037	0.1846
House_Floor_area_sqm	0.2721	0.42	40.426	0.0000	0.2780
Bedrooms	0.1965	0.46	131.956	0.0000	0.2250
Bathrooms	0.2885	0.41	20.465	0.1168	0.1708
Car_Spaces	0.2752	0.42	36.598	0.0000	0.1503
DistanceMM	0.2905	0.41	18.064	0.8009	0.8405
DistToRailwayStation	0.2905	0.41	18.058	0.8099	0.9868
DIST_PubPrimSch	0.2900	0.41	18.630	0.4274	0.9664
NearestHighSch	0.2840	0.41	25.953	0.0049	0.8706
Distance_to_AqCentre	0.2893	0.41	19.499	0.2212	0.9936
Distance_to_Clink	0.2872	0.41	22.056	0.0443	0.9899
Dist_to_CSUni	0.2905	0.41	18.007	0.9356	0.9846
MinParkDist	0.2905	0.41	18.011	0.9161	0.9107
ComHealthCentre	0.2904	0.41	18.169	0.6813	0.9880
Closest_petrol	0.2904	0.41	18.134	0.7148	0.8179
NearestFastFood	0.2895	0.41	19.254	0.2632	0.9693
DistToHosp	0.2905	0.41	18.038	0.8450	0.9895
NearestSGrocShop	0.2878	0.41	21.328	0.0685	0.9749

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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	11.11	11.11	0.40	0.1497	0.0336
House_area_sqm	12.05	0.94	3.47	0.0666	-0.0989
House_Floor_area_sqm	44.59	32.54	9.17	0.2849	0.1594
Bedrooms	113.34	68.75	46.61	0.4220	0.3421
Bathrooms	113.42	0.08	1.01	0.1525	-0.0535
Car_Spaces	121.22	7.80	7.61	0.2745	0.1455
DistanceMM	130.69	9.47	0.03	0.2434	-0.0086
DistToRailwayStation	131.77	1.08	0.02	0.0666	-0.0082
DIST_PubPrimSch	132.46	0.68	0.26	-0.1310	-0.0271
NearestHighSch	133.44	0.99	3.25	-0.0261	-0.0957
Distance_to_AqCentre	135.05	1.61	0.61	0.1031	-0.0417
Distance_to_Clink	138.14	3.08	1.66	0.0753	0.0685
Dist_to_CSUni	138.32	0.19	0.00	0.2220	-0.0028
MinParkDist	141.97	3.64	0.00	0.0363	0.0036
ComHealthCentre	142.23	0.26	0.07	-0.0293	0.0140
Closest_petrol	142.43	0.20	0.05	0.2131	0.0125
NearestFastFood	142.44	0.00	0.51	0.0249	-0.0382
DistToHosp	142.69	0.25	0.02	-0.1049	0.0067
NearestSGrocShop	144.05	1.36	1.36	0.2124	0.0621

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Sequential Models Report

Independent Variable	Included R²	Included F-Ratio	Included Prob Level	Omitted R²	Omitted F-Ratio	Omitted Prob Level
Block_area_sqm	0.0224	20.125	0.0000	0.2681	18.058	0.0000
House_area_sqm	0.0243	10.919	0.0000	0.2663	18.986	0.0000
House_Floor_area_sqm	0.0899	28.856	0.0000	0.2006	15.199	0.0000
Bedrooms	0.2286	64.830	0.0000	0.0619	5.006	0.0000
Bathrooms	0.2288	51.855	0.0000	0.0618	5.348	0.0000
Car_Spaces	0.2445	47.090	0.0000	0.0460	4.293	0.0000
DistanceMM	0.2636	44.593	0.0000	0.0269	2.722	0.0013
DistToRailwayStation	0.2658	39.415	0.0000	0.0248	2.728	0.0018
DIST_PubPrimSch	0.2672	35.243	0.0000	0.0234	2.834	0.0018
NearestHighSch	0.2692	32.005	0.0000	0.0214	2.881	0.0023
Distance_to_AqCentre	0.2724	29.544	0.0000	0.0181	2.749	0.0053
Distance_to_Clink	0.2786	27.906	0.0000	0.0119	2.065	0.0449
Dist_to_CSUni	0.2790	25.779	0.0000	0.0115	2.332	0.0306
MinParkDist	0.2864	24.793	0.0000	0.0042	1.016	0.4067
ComHealthCentre	0.2869	23.172	0.0000	0.0037	1.111	0.3499
Closest_petrol	0.2873	21.743	0.0000	0.0033	1.315	0.2683
NearestFastFood	0.2873	20.441	0.0000	0.0032	1.967	0.1405
DistToHosp	0.2878	19.330	0.0000	0.0027	3.328	0.0685
NearestSGrocShop	0.2906	18.537	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\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent Ln_Sale_Price

Multicollinearity Report

Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
Block_area_sqm	1.3141	0.2391	0.7609	6.59991393149789E-09
House_area_sqm	1.2264	0.1846	0.8154	6.7140832614275E-06
House_Floor_area_sqm	1.3851	0.2780	0.7220	2.87829642168633E-06
Bedrooms	1.2903	0.2250	0.7750	0.00265139735463754
Bathrooms	1.2060	0.1708	0.8292	0.00912665445549759
Car_Spaces	1.1768	0.1503	0.8497	0.00164351254055875
DistanceMM	6.2690	0.8405	0.1595	1.38002467359639E-08
DistToRailwayStation	75.5075	0.9868	0.0132	8.54467899841345E-08
DIST_PubPrimSch	29.8046	0.9664	0.0336	4.90260289112046E-08
NearestHighSch	7.7255	0.8706	0.1294	1.95036684474516E-08
Distance_to_AqCentre	156.1251	0.9936	0.0064	4.5261458108172E-07
Distance_to_Clink	98.7515	0.9899	0.0101	2.19575149709251E-07
Dist_to_CSUni	65.1341	0.9846	0.0154	4.18192336166791E-08
MinParkDist	11.2007	0.9107	0.0893	2.71532146818953E-08
ComHealthCentre	83.4180	0.9880	0.0120	1.00379316702905E-07
Closest_petrol	5.4916	0.8179	0.1821	3.06019448344925E-08
NearestFastFood	32.5264	0.9693	0.0307	7.9820933294626E-08
DistToHosp	95.0753	0.9895	0.0105	9.00411140910763E-08
NearestSGrocShop	39.8404	0.9749	0.0251	1.25751788835627E-07

Robust Residuals and Weights

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1	10.690	11.551	-0.861	8.055	1.0000
2	12.708	11.887	0.822	6.466	1.0000
3	12.884	12.387	0.497	3.859	1.0000
4	12.133	12.151	-0.018	0.152	1.0000
5	12.764	12.725	0.039	0.308	1.0000
6	10.731	11.215	-0.484	4.512	1.0000
7	10.953	11.675	-0.722	6.587	1.0000
8	10.672	11.653	-0.981	9.190	0.9387
9	11.856	11.079	0.777	6.551	1.0000
10	10.827	11.325	-0.498	4.598	1.0000
11	11.411	12.041	-0.630	5.522	1.0000
12	11.244	11.444	-0.200	1.775	1.0000
13	12.364	11.669	0.695	5.624	1.0000
14	11.651	11.847	-0.196	1.679	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
15	11.763	11.928	-0.165	1.406	1.0000
16	10.314	10.933	-0.619	5.998	1.0000
17	10.933	11.594	-0.662	6.052	1.0000
18	11.855	11.597	0.259	2.181	1.0000
19	11.529	11.856	-0.327	2.838	1.0000
21	11.666	11.904	-0.238	2.040	1.0000
22	10.160	13.202	-3.042	29.939	0.3027
23	11.547	12.047	-0.500	4.331	1.0000
25	11.632	11.594	0.038	0.325	1.0000
26	10.146	11.514	-1.368	13.478	0.6733
27	11.328	11.679	-0.351	3.096	1.0000
28	11.504	11.479	0.025	0.214	1.0000
29	11.569	11.576	-0.007	0.063	1.0000
30	12.453	11.574	0.878	7.054	1.0000
31	11.533	11.635	-0.102	0.887	1.0000
32	10.745	11.318	-0.573	5.335	1.0000
33	11.081	11.564	-0.483	4.357	1.0000
34	12.146	11.570	0.575	4.736	1.0000
35	12.352	11.568	0.784	6.346	1.0000
36	11.949	11.662	0.287	2.401	1.0000
37	10.150	11.641	-1.491	14.691	0.6174
38	11.512	11.784	-0.272	2.361	1.0000
39	11.431	11.801	-0.370	3.241	1.0000
40	11.477	11.934	-0.458	3.987	1.0000
41	10.492	10.889	-0.397	3.780	1.0000
45	12.172	12.076	0.096	0.792	1.0000
46	10.976	11.606	-0.630	5.742	1.0000
47	11.246	11.846	-0.600	5.337	1.0000
48	12.003	12.589	-0.586	4.881	1.0000
49	11.731	11.505	0.226	1.926	1.0000
50	10.655	11.890	-1.235	11.594	0.7453
51	11.077	11.402	-0.325	2.935	1.0000
52	10.327	11.593	-1.266	12.263	0.7270
53	9.805	12.591	-2.786	28.413	0.3305
54	10.000	10.926	-0.926	9.262	0.9941
55	11.277	12.013	-0.737	6.535	1.0000
56	11.587	11.777	-0.190	1.638	1.0000
57	10.813	11.903	-1.090	10.082	0.8446
58	9.983	10.939	-0.957	9.583	0.9624
59	10.327	11.981	-1.654	16.019	0.5566
60	11.175	11.987	-0.812	7.262	1.0000
61	11.038	11.844	-0.805	7.296	1.0000
62	10.841	11.342	-0.501	4.624	1.0000
63	11.396	12.004	-0.608	5.337	1.0000
64	10.329	11.101	-0.772	7.479	1.0000
65	11.892	12.027	-0.135	1.138	1.0000
66	10.677	12.163	-1.487	13.924	0.6193

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
67	11.771	12.058	-0.288	2.444	1.0000
68	11.624	12.244	-0.619	5.326	1.0000
69	11.373	12.126	-0.753	6.624	1.0000
75	11.120	12.469	-1.349	12.130	0.6826
80	11.737	11.921	-0.184	1.568	1.0000
82	12.280	11.967	0.313	2.545	1.0000
83	11.406	11.786	-0.380	3.336	1.0000
84	12.659	12.395	0.264	2.086	1.0000
85	10.498	11.125	-0.628	5.979	1.0000
87	10.560	10.962	-0.401	3.801	1.0000
90	9.789	10.932	-1.143	11.672	0.8058
91	11.323	11.458	-0.135	1.195	1.0000
92	10.527	11.466	-0.939	8.922	0.9803
93	9.788	11.300	-1.512	15.443	0.6091
94	11.456	11.493	-0.037	0.324	1.0000
95	10.979	11.109	-0.130	1.181	1.0000
96	10.951	11.527	-0.577	5.267	1.0000
97	11.179	11.527	-0.348	3.115	1.0000
98	11.982	11.507	0.475	3.967	1.0000
106	10.159	10.907	-0.749	7.369	1.0000
107	11.937	11.648	0.289	2.421	1.0000
110	10.738	11.116	-0.378	3.516	1.0000
111	11.953	11.646	0.307	2.565	1.0000
113	13.040	12.302	0.738	5.659	1.0000
116	11.913	11.975	-0.063	0.525	1.0000
117	12.291	12.196	0.095	0.771	1.0000
119	12.324	12.228	0.096	0.782	1.0000
122	11.072	11.805	-0.734	6.626	1.0000
123	11.104	11.805	-0.702	6.320	1.0000
124	11.842	11.894	-0.052	0.436	1.0000
125	10.255	11.959	-1.704	16.611	0.5405
126	11.841	12.478	-0.637	5.378	1.0000
127	12.815	12.738	0.078	0.607	1.0000
130	12.726	12.100	0.627	4.923	1.0000
131	12.560	12.572	-0.011	0.091	1.0000
133	11.260	11.449	-0.190	1.684	1.0000
134	11.401	11.842	-0.441	3.871	1.0000
135	11.774	12.273	-0.499	4.242	1.0000
136	12.325	11.587	0.738	5.988	1.0000
137	10.623	12.543	-1.920	18.076	0.4795
138	11.306	11.970	-0.665	5.878	1.0000
139	11.026	12.490	-1.464	13.278	0.6289
140	11.315	12.444	-1.129	9.978	0.8154
143	11.549	11.647	-0.099	0.855	1.0000
144	12.287	11.675	0.612	4.980	1.0000
145	11.690	11.856	-0.166	1.421	1.0000
147	11.253	12.106	-0.853	7.577	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
148	10.297	12.137	-1.840	17.870	0.5003
149	11.060	11.645	-0.584	5.283	1.0000
151	11.533	11.770	-0.237	2.055	1.0000
152	11.296	11.339	-0.043	0.378	1.0000
153	9.459	11.050	-1.591	16.816	0.5788
154	12.034	11.791	0.242	2.015	1.0000
155	11.249	11.683	-0.435	3.864	1.0000
157	12.434	11.977	0.457	3.675	1.0000
160	11.256	11.574	-0.318	2.827	1.0000
161	11.751	11.439	0.313	2.660	1.0000
163	12.402	12.104	0.299	2.407	1.0000
164	11.644	11.437	0.207	1.779	1.0000
166	12.305	12.315	-0.010	0.078	1.0000
167	11.767	11.985	-0.217	1.848	1.0000
168	10.331	12.059	-1.728	16.729	0.5327
171	12.047	11.857	0.190	1.574	1.0000
172	11.183	11.569	-0.387	3.458	1.0000
173	10.841	10.877	-0.035	0.327	1.0000
176	11.069	11.593	-0.525	4.739	1.0000
180	10.678	11.760	-1.082	10.134	0.8508
181	12.414	12.450	-0.035	0.286	1.0000
184	11.984	11.275	0.709	5.919	1.0000
188	12.788	11.921	0.867	6.779	1.0000
189	11.037	11.584	-0.547	4.952	1.0000
190	11.538	12.126	-0.588	5.094	1.0000
191	11.811	12.052	-0.241	2.037	1.0000
192	11.080	12.543	-1.463	13.202	0.6294
198	9.936	11.675	-1.740	17.508	0.5293
200	11.341	11.458	-0.117	1.034	1.0000
202	10.731	11.758	-1.027	9.572	0.8963
203	11.245	11.783	-0.538	4.788	1.0000
204	11.264	11.990	-0.726	6.447	1.0000
207	11.062	12.187	-1.125	10.173	0.8182
211	11.464	11.990	-0.526	4.589	1.0000
212	12.018	11.758	0.260	2.163	1.0000
214	10.976	11.867	-0.891	8.115	1.0000
215	10.143	12.007	-1.864	18.376	0.4940
217	10.737	11.701	-0.964	8.979	0.9549
228	11.397	11.447	-0.050	0.436	1.0000
230	11.209	11.043	0.166	1.479	1.0000
232	12.325	11.834	0.490	3.978	1.0000
233	10.257	11.709	-1.452	14.155	0.6341
234	11.375	11.427	-0.052	0.459	1.0000
236	12.457	11.877	0.580	4.656	1.0000
237	11.407	11.975	-0.568	4.983	1.0000
239	11.252	12.044	-0.793	7.044	1.0000
241	12.837	12.583	0.254	1.977	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
242	11.179	12.675	-1.496	13.380	0.6155
244	11.850	12.156	-0.306	2.580	1.0000
246	11.793	11.924	-0.131	1.112	1.0000
247	12.483	12.074	0.409	3.278	1.0000
250	10.237	11.345	-1.107	10.818	0.8314
251	10.787	11.265	-0.478	4.431	1.0000
252	10.844	11.754	-0.910	8.394	1.0000
253	10.743	11.638	-0.895	8.333	1.0000
254	10.905	11.511	-0.606	5.555	1.0000
255	10.694	11.374	-0.680	6.363	1.0000
257	10.142	11.068	-0.925	9.123	0.9950
258	10.794	11.875	-1.081	10.015	0.8517
280	11.069	11.549	-0.480	4.337	1.0000
281	11.404	11.771	-0.367	3.219	1.0000
282	11.443	12.085	-0.642	5.607	1.0000
284	11.065	11.915	-0.850	7.683	1.0000
285	10.562	12.301	-1.739	16.464	0.5294
286	10.857	11.768	-0.911	8.387	1.0000
288	11.325	11.631	-0.306	2.704	1.0000
290	11.581	11.878	-0.296	2.560	1.0000
292	12.002	12.276	-0.274	2.279	1.0000
294	11.631	11.791	-0.160	1.373	1.0000
295	10.143	11.664	-1.521	14.998	0.6052
296	12.599	11.715	0.884	7.017	1.0000
298	11.944	11.703	0.241	2.017	1.0000
300	10.554	10.976	-0.422	4.002	1.0000
303	10.905	11.956	-1.051	9.642	0.8756
305	11.021	11.283	-0.263	2.383	1.0000
306	10.858	12.469	-1.611	14.842	0.5713
309	11.935	11.549	0.386	3.236	1.0000
310	12.705	12.020	0.686	5.397	1.0000
311	11.307	12.657	-1.350	11.942	0.6819
315	12.702	11.691	1.012	7.964	0.9101
317	9.786	11.459	-1.672	17.088	0.5505
318	12.043	12.198	-0.155	1.285	1.0000
319	11.619	11.090	0.528	4.548	1.0000
320	9.859	11.442	-1.583	16.058	0.5816
324	10.792	11.748	-0.955	8.853	0.9636
325	11.066	11.942	-0.876	7.913	1.0000
326	12.933	11.993	0.940	7.271	0.9790
327	12.093	12.115	-0.021	0.178	1.0000
329	9.760	11.223	-1.463	14.989	0.6293
332	11.316	11.687	-0.372	3.286	1.0000
333	11.842	12.418	-0.576	4.862	1.0000
335	10.845	11.745	-0.900	8.300	1.0000
336	11.925	11.767	0.157	1.320	1.0000
337	10.041	11.409	-1.368	13.625	0.6729

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
338	10.986	12.066	-1.080	9.826	0.8528
341	10.848	12.237	-1.388	12.798	0.6631
342	11.580	12.382	-0.802	6.930	1.0000
347	10.738	12.095	-1.357	12.633	0.6787
348	11.582	11.756	-0.174	1.505	1.0000
349	12.308	11.936	0.373	3.030	1.0000
352	12.690	12.946	-0.256	2.016	1.0000
353	12.588	12.227	0.360	2.862	1.0000
354	13.367	13.061	0.306	2.287	1.0000
356	12.049	11.342	0.707	5.867	1.0000
357	10.160	12.524	-2.363	23.260	0.3896
358	12.561	12.526	0.035	0.276	1.0000
361	10.941	12.089	-1.147	10.486	0.8025
363	12.192	11.721	0.471	3.862	1.0000
364	11.402	11.348	0.054	0.476	1.0000
365	11.771	11.744	0.027	0.228	1.0000
366	11.404	11.212	0.191	1.677	1.0000
368	12.515	12.041	0.473	3.781	1.0000
369	12.271	12.248	0.022	0.183	1.0000
371	11.356	11.661	-0.305	2.688	1.0000
372	11.754	10.960	0.794	6.754	1.0000
374	11.337	11.714	-0.377	3.326	1.0000
375	12.119	11.797	0.322	2.657	1.0000
378	11.636	11.592	0.044	0.379	1.0000
380	10.497	10.953	-0.456	4.342	1.0000
381	11.658	12.210	-0.552	4.736	1.0000
382	11.077	11.597	-0.520	4.694	1.0000
383	12.191	11.888	0.303	2.487	1.0000
387	12.047	12.426	-0.378	3.139	1.0000
388	13.380	12.976	0.404	3.021	1.0000
390	12.755	12.311	0.444	3.481	1.0000
392	11.077	11.769	-0.692	6.247	1.0000
393	12.285	12.027	0.258	2.103	1.0000
394	11.646	12.287	-0.641	5.503	1.0000
398	10.142	11.022	-0.880	8.681	1.0000
400	12.007	11.709	0.298	2.479	1.0000
402	10.700	11.553	-0.853	7.976	1.0000
404	12.916	11.062	1.854	14.354	0.4966
406	12.125	11.739	0.386	3.187	1.0000
408	12.664	11.540	1.124	8.877	0.8190
410	12.129	11.559	0.570	4.701	1.0000
411	10.129	11.388	-1.259	12.428	0.7313
414	11.852	11.900	-0.048	0.403	1.0000
419	12.857	12.183	0.674	5.241	1.0000
422	11.181	11.596	-0.414	3.705	1.0000
425	12.224	11.463	0.762	6.231	1.0000
429	11.902	11.655	0.247	2.074	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
431	12.690	12.197	0.492	3.881	1.0000
436	12.720	11.795	0.926	7.277	0.9947
441	11.728	11.233	0.494	4.215	1.0000
447	12.418	12.105	0.314	2.526	1.0000
450	12.686	12.232	0.454	3.576	1.0000
451	12.216	11.461	0.755	6.181	1.0000
455	11.889	11.336	0.553	4.649	1.0000
456	11.105	11.633	-0.529	4.761	1.0000
457	12.224	12.220	0.004	0.030	1.0000
458	12.844	12.453	0.391	3.046	1.0000
459	12.680	11.812	0.868	6.849	1.0000
460	11.997	11.496	0.501	4.177	1.0000
464	12.586	11.592	0.994	7.899	0.9261
465	12.499	11.641	0.857	6.859	1.0000
466	10.793	11.337	-0.545	5.045	1.0000
467	11.803	11.706	0.097	0.824	1.0000
468	11.671	11.432	0.238	2.043	1.0000
469	12.762	12.363	0.399	3.130	1.0000
472	12.205	12.445	-0.240	1.969	1.0000
474	11.808	11.885	-0.077	0.653	1.0000
475	11.906	12.208	-0.302	2.537	1.0000
476	11.771	12.256	-0.485	4.123	1.0000
477	12.160	11.822	0.338	2.776	1.0000
478	12.419	11.997	0.422	3.400	1.0000
479	12.478	11.902	0.576	4.614	1.0000
481	12.573	12.236	0.337	2.683	1.0000
482	13.635	12.897	0.738	5.415	1.0000
483	11.836	12.407	-0.571	4.825	1.0000
484	9.565	12.400	-2.835	29.639	0.3248
485	11.743	12.400	-0.656	5.590	1.0000
486	9.662	12.359	-2.697	27.916	0.3414
487	12.212	11.648	0.565	4.624	1.0000
490	10.921	11.421	-0.500	4.580	1.0000
491	12.554	12.323	0.231	1.841	1.0000
492	10.822	11.675	-0.853	7.882	1.0000
493	12.539	11.664	0.875	6.981	1.0000
495	13.329	12.570	0.759	5.697	1.0000
496	10.125	11.435	-1.310	12.939	0.7028
497	11.395	11.900	-0.506	4.438	1.0000
498	11.660	11.777	-0.117	1.000	1.0000
500	12.293	11.831	0.463	3.765	1.0000
502	11.968	12.028	-0.060	0.503	1.0000
503	12.306	12.151	0.155	1.259	1.0000
511	12.194	12.144	0.050	0.408	1.0000
514	11.882	12.013	-0.131	1.102	1.0000
526	11.046	11.320	-0.274	2.477	1.0000
527	11.391	11.348	0.043	0.379	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
530	12.614	11.908	0.707	5.601	1.0000
531	11.413	11.763	-0.350	3.068	1.0000
536	12.505	11.667	0.838	6.702	1.0000
539	11.326	11.401	-0.076	0.668	1.0000
542	11.582	11.713	-0.131	1.132	1.0000
544	12.579	11.583	0.996	7.914	0.9248
545	11.001	11.895	-0.894	8.124	1.0000
547	11.001	12.641	-1.640	14.904	0.5615
549	11.634	11.552	0.082	0.703	1.0000
551	11.965	11.810	0.155	1.298	1.0000
555	11.886	11.336	0.550	4.630	1.0000
557	11.984	11.622	0.362	3.021	1.0000
560	11.884	11.480	0.404	3.401	1.0000
562	11.867	12.217	-0.350	2.950	1.0000
565	11.459	11.856	-0.397	3.465	1.0000
566	12.012	11.805	0.207	1.724	1.0000
567	11.797	11.860	-0.063	0.533	1.0000
571	11.986	11.959	0.027	0.226	1.0000
572	11.276	12.188	-0.912	8.087	1.0000
573	11.276	13.003	-1.727	15.314	0.5332
574	13.247	12.738	0.509	3.846	1.0000
575	13.298	12.738	0.560	4.214	1.0000
576	12.035	11.966	0.069	0.576	1.0000
577	12.522	12.445	0.077	0.616	1.0000
578	12.690	11.963	0.727	5.725	1.0000
580	12.631	12.552	0.079	0.625	1.0000
581	12.706	12.349	0.357	2.810	1.0000
587	11.962	12.356	-0.394	3.293	1.0000
588	11.358	12.052	-0.695	6.116	1.0000
591	12.939	11.674	1.265	9.777	0.7278
595	11.775	11.651	0.125	1.058	1.0000
598	11.430	11.640	-0.209	1.833	1.0000
599	11.733	12.031	-0.298	2.540	1.0000
601	13.041	12.880	0.161	1.235	1.0000
602	12.405	12.527	-0.122	0.981	1.0000
605	12.420	12.210	0.209	1.686	1.0000
606	12.877	12.278	0.599	4.652	1.0000
609	12.076	11.641	0.434	3.597	1.0000
610	10.858	11.604	-0.746	6.872	1.0000
611	12.917	12.018	0.899	6.958	1.0000
612	10.705	11.958	-1.254	11.714	0.7342
613	11.940	11.822	0.118	0.989	1.0000
614	12.169	11.839	0.330	2.708	1.0000
619	10.932	11.706	-0.773	7.074	1.0000
620	13.010	12.422	0.587	4.513	1.0000
622	12.795	11.740	1.055	8.245	0.8727
626	11.836	11.506	0.330	2.787	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
630	11.996	12.214	-0.218	1.817	1.0000
632	11.254	11.598	-0.344	3.059	1.0000
633	12.257	11.703	0.554	4.518	1.0000
634	10.705	11.620	-0.915	8.551	1.0000
635	12.572	12.029	0.543	4.316	1.0000
639	12.001	11.777	0.225	1.871	1.0000
642	9.655	11.487	-1.832	18.976	0.5025
645	11.019	11.363	-0.344	3.126	1.0000
650	10.722	11.747	-1.026	9.568	0.8975
655	11.193	11.713	-0.521	4.653	1.0000
657	12.546	11.590	0.956	7.622	0.9628
658	12.636	12.237	0.400	3.163	1.0000
662	10.926	12.162	-1.236	11.313	0.7448
663	11.840	11.659	0.181	1.529	1.0000
664	12.496	12.050	0.446	3.567	1.0000
665	11.454	11.744	-0.289	2.524	1.0000
669	11.719	11.630	0.089	0.761	1.0000
670	12.064	11.652	0.412	3.412	1.0000
671	11.172	11.642	-0.470	4.204	1.0000
676	12.589	12.763	-0.174	1.384	1.0000
678	12.541	11.840	0.701	5.587	1.0000
684	9.338	10.980	-1.642	17.586	0.5607
688	12.099	11.886	0.214	1.767	1.0000
689	11.999	12.219	-0.220	1.830	1.0000
690	12.011	11.959	0.051	0.428	1.0000
692	12.165	11.716	0.450	3.697	1.0000
693	10.835	12.014	-1.179	10.886	0.7806
704	11.265	11.921	-0.657	5.831	1.0000
706	11.600	11.305	0.295	2.544	1.0000
707	10.364	11.838	-1.474	14.220	0.6247
712	11.981	12.300	-0.319	2.663	1.0000
713	11.956	12.012	-0.055	0.463	1.0000
715	11.735	11.784	-0.049	0.414	1.0000
719	12.406	12.331	0.074	0.600	1.0000
722	13.116	12.036	1.080	8.234	0.8525
724	12.535	12.194	0.341	2.720	1.0000
729	12.315	11.863	0.452	3.670	1.0000
733	12.831	12.039	0.793	6.178	1.0000
735	11.109	12.034	-0.926	8.331	0.9948
736	12.585	11.805	0.781	6.203	1.0000
738	12.257	12.410	-0.153	1.247	1.0000
739	11.962	12.518	-0.556	4.648	1.0000
740	11.462	11.856	-0.393	3.433	1.0000
743	13.137	12.844	0.293	2.230	1.0000
744	13.143	12.695	0.448	3.412	1.0000
747	11.371	11.826	-0.454	3.994	1.0000
749	11.803	12.248	-0.445	3.769	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
751	12.730	11.729	1.001	7.866	0.9194
752	11.944	12.288	-0.344	2.879	1.0000
754	10.943	11.893	-0.950	8.681	0.9692
755	11.285	11.653	-0.368	3.260	1.0000
757	10.974	11.828	-0.854	7.783	1.0000
758	11.361	12.540	-1.180	10.386	0.7803
760	12.633	11.765	0.868	6.872	1.0000
761	12.043	10.950	1.093	9.075	0.8425
763	8.977	12.348	-3.370	37.544	0.2732
765	11.710	12.255	-0.545	4.657	1.0000
767	11.784	11.984	-0.201	1.702	1.0000
770	12.508	11.954	0.554	4.426	1.0000
773	12.451	12.662	-0.210	1.689	1.0000
782	12.534	12.130	0.403	3.218	1.0000
785	11.923	11.557	0.365	3.065	1.0000
786	11.129	11.426	-0.297	2.667	1.0000
787	12.078	11.633	0.445	3.688	1.0000
788	11.717	11.539	0.178	1.522	1.0000
795	13.017	12.361	0.656	5.042	1.0000
797	10.493	11.207	-0.714	6.806	1.0000
798	11.883	11.749	0.134	1.125	1.0000
799	11.546	12.181	-0.635	5.503	1.0000
803	11.939	11.378	0.560	4.695	1.0000
805	12.482	11.792	0.690	5.528	1.0000
806	11.413	11.862	-0.449	3.931	1.0000
807	12.389	11.363	1.026	8.283	0.8972
809	9.696	11.262	-1.566	16.149	0.5880
811	12.098	11.732	0.366	3.024	1.0000
813	11.542	11.497	0.045	0.389	1.0000
817	11.115	11.763	-0.647	5.825	1.0000
818	10.423	11.612	-1.189	11.404	0.7745
819	11.614	11.907	-0.293	2.521	1.0000
820	12.303	11.914	0.389	3.161	1.0000
821	12.546	12.403	0.143	1.139	1.0000
824	11.785	12.115	-0.330	2.801	1.0000
826	11.380	11.726	-0.345	3.035	1.0000
833	11.331	11.870	-0.540	4.763	1.0000
835	12.310	12.183	0.127	1.030	1.0000
841	11.909	11.983	-0.074	0.618	1.0000
845	12.297	11.619	0.678	5.510	1.0000
852	11.222	11.342	-0.119	1.063	1.0000
853	11.623	11.366	0.257	2.214	1.0000
855	12.804	11.825	0.979	7.643	0.9408
857	12.051	11.963	0.088	0.727	1.0000
859	11.753	12.089	-0.336	2.861	1.0000
861	12.144	12.051	0.094	0.772	1.0000
864	11.962	11.823	0.138	1.155	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
868	11.591	12.249	-0.659	5.682	1.0000
870	11.717	12.115	-0.398	3.398	1.0000
871	12.794	11.954	0.840	6.567	1.0000
875	12.036	11.976	0.060	0.499	1.0000
877	10.415	11.468	-1.053	10.109	0.8744
878	12.897	12.102	0.795	6.162	1.0000
881	10.420	11.130	-0.710	6.811	1.0000
883	13.151	12.573	0.578	4.391	1.0000
884	12.193	12.674	-0.481	3.944	1.0000
885	12.238	12.331	-0.093	0.763	1.0000
887	13.045	11.632	1.413	10.832	0.6515
889	11.698	12.039	-0.341	2.913	1.0000
890	12.736	11.009	1.727	13.558	0.5332
895	9.917	11.417	-1.500	15.124	0.6138
898	11.621	11.670	-0.049	0.418	1.0000
902	10.813	11.526	-0.713	6.595	1.0000
903	12.804	12.360	0.444	3.469	1.0000
904	11.851	11.513	0.338	2.855	1.0000
906	12.155	12.091	0.064	0.525	1.0000
908	11.226	11.720	-0.494	4.398	1.0000
909	12.430	12.940	-0.509	4.096	1.0000
910	12.649	12.295	0.354	2.796	1.0000
912	13.049	12.407	0.642	4.918	1.0000
914	11.820	12.382	-0.563	4.760	1.0000
917	12.332	11.971	0.361	2.931	1.0000
918	11.873	11.685	0.188	1.581	1.0000
920	12.274	11.878	0.395	3.222	1.0000
921	12.684	12.024	0.659	5.198	1.0000
922	11.675	11.516	0.159	1.365	1.0000
923	12.329	11.933	0.396	3.212	1.0000
924	12.455	11.887	0.568	4.562	1.0000
926	12.116	11.904	0.212	1.746	1.0000
928	11.844	12.201	-0.357	3.013	1.0000
929	12.932	12.704	0.228	1.761	1.0000
930	13.310	12.205	1.106	8.307	0.8326
931	10.724	11.900	-1.176	10.970	0.7827
932	11.971	12.333	-0.361	3.018	1.0000
935	12.943	12.156	0.787	6.077	1.0000
936	13.327	13.087	0.240	1.803	1.0000
939	11.803	11.678	0.125	1.059	1.0000
941	12.086	12.621	-0.535	4.426	1.0000
944	12.974	10.957	2.017	15.548	0.4564
951	11.755	11.714	0.041	0.351	1.0000
952	11.911	11.826	0.085	0.717	1.0000
953	11.911	11.729	0.181	1.523	1.0000
954	12.782	11.797	0.985	7.706	0.9347
956	12.498	12.225	0.274	2.190	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
957	12.217	11.694	0.523	4.281	1.0000
958	12.083	11.633	0.450	3.726	1.0000
959	10.810	11.390	-0.580	5.364	1.0000
960	12.594	12.255	0.339	2.693	1.0000
961	12.046	11.925	0.121	1.002	1.0000
965	10.902	11.299	-0.398	3.648	1.0000
966	12.164	12.162	0.002	0.018	1.0000
973	11.109	12.472	-1.364	12.278	0.6750
974	12.085	12.447	-0.362	3.000	1.0000
975	12.448	12.600	-0.152	1.222	1.0000
976	11.735	12.195	-0.460	3.920	1.0000
978	11.829	11.683	0.147	1.239	1.0000
981	13.633	12.809	0.824	6.041	1.0000
984	10.834	11.862	-1.028	9.487	0.8957
985	9.116	11.864	-2.748	30.150	0.3350
986	12.708	11.863	0.845	6.646	1.0000
992	12.166	12.132	0.033	0.275	1.0000
996	12.029	12.295	-0.266	2.212	1.0000
998	12.282	12.427	-0.144	1.173	1.0000
1002	11.992	11.910	0.082	0.685	1.0000
1003	12.384	11.725	0.659	5.318	1.0000
1006	10.783	11.093	-0.310	2.877	1.0000
1007	9.650	11.806	-2.156	22.338	0.4271
1011	11.583	11.701	-0.119	1.024	1.0000
1014	13.077	12.129	0.948	7.252	0.9707
1018	12.738	11.878	0.859	6.747	1.0000
1019	12.169	11.747	0.423	3.474	1.0000
1020	12.125	12.260	-0.135	1.114	1.0000
1024	13.084	12.418	0.666	5.088	1.0000
1029	12.577	12.304	0.273	2.168	1.0000
1030	12.173	11.412	0.760	6.247	1.0000
1033	11.375	11.758	-0.382	3.362	1.0000
1039	11.866	11.721	0.146	1.229	1.0000
1041	12.643	12.054	0.589	4.659	1.0000
1042	12.915	11.907	1.008	7.805	0.9134
1045	11.371	11.987	-0.617	5.424	1.0000
1047	11.127	11.722	-0.595	5.348	1.0000
1048	12.057	11.787	0.269	2.233	1.0000
1049	11.562	11.386	0.176	1.522	1.0000
1050	11.975	11.495	0.480	4.006	1.0000
1052	12.715	11.511	1.203	9.465	0.7650
1055	12.004	11.546	0.458	3.815	1.0000
1059	13.289	12.604	0.685	5.155	1.0000
1063	12.017	11.976	0.041	0.343	1.0000
1064	12.939	12.134	0.805	6.225	1.0000
1065	12.965	12.455	0.511	3.941	1.0000
1066	12.110	11.894	0.217	1.788	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1067	11.732	11.838	-0.106	0.905	1.0000
1068	11.264	10.867	0.397	3.527	1.0000
1070	11.997	11.310	0.687	5.729	1.0000
1071	12.549	11.715	0.833	6.640	1.0000
1073	12.981	12.407	0.574	4.419	1.0000
1074	12.765	12.128	0.637	4.994	1.0000
1078	12.841	11.723	1.118	8.710	0.8232
1079	12.764	12.244	0.520	4.071	1.0000
1087	11.951	11.316	0.635	5.317	1.0000
1089	12.104	11.649	0.454	3.754	1.0000
1090	11.663	11.542	0.120	1.031	1.0000
1091	12.655	12.097	0.558	4.408	1.0000
1092	12.832	12.250	0.581	4.529	1.0000
1094	12.819	12.124	0.696	5.427	1.0000
1096	12.146	11.652	0.494	4.069	1.0000
1101	13.088	12.321	0.768	5.864	1.0000
1103	12.536	11.871	0.665	5.303	1.0000
1106	10.973	10.911	0.062	0.564	1.0000
1110	12.424	11.735	0.689	5.547	1.0000
1111	11.260	11.768	-0.508	4.514	1.0000
1112	12.167	11.498	0.669	5.499	1.0000
1114	12.660	12.123	0.537	4.244	1.0000
1115	12.126	12.358	-0.231	1.908	1.0000
1118	13.076	11.863	1.213	9.278	0.7589
1119	11.935	12.031	-0.096	0.802	1.0000
1121	12.748	11.793	0.955	7.491	0.9642
1123	13.534	12.622	0.912	6.739	1.0000
1124	12.603	11.462	1.141	9.057	0.8066
1126	11.558	11.716	-0.158	1.369	1.0000
1127	11.875	11.624	0.251	2.115	1.0000
1128	12.258	12.408	-0.150	1.220	1.0000
1129	11.476	11.894	-0.418	3.642	1.0000
1130	12.735	11.647	1.088	8.544	0.8461
1131	12.366	12.127	0.240	1.939	1.0000
1133	12.051	11.873	0.178	1.477	1.0000
1135	12.462	12.353	0.109	0.871	1.0000
1139	13.193	11.980	1.212	9.188	0.7596
1141	11.815	11.184	0.632	5.348	1.0000
1144	12.117	11.781	0.336	2.770	1.0000
1147	12.987	12.330	0.658	5.064	1.0000
1148	13.832	12.317	1.514	10.949	0.6080
1150	11.127	11.218	-0.091	0.815	1.0000
1151	11.800	11.514	0.286	2.427	1.0000
1154	10.952	11.718	-0.766	6.992	1.0000
1157	12.016	12.226	-0.210	1.750	1.0000
1159	12.429	12.119	0.310	2.493	1.0000
1163	11.803	11.921	-0.118	1.002	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1165	11.163	11.669	-0.506	4.532	1.0000
1168	12.424	11.594	0.830	6.679	1.0000
1169	12.419	12.262	0.157	1.266	1.0000
1172	13.582	12.245	1.338	9.850	0.6882
1174	11.589	11.936	-0.348	3.001	1.0000
1176	12.642	11.984	0.658	5.201	1.0000
1179	11.564	12.037	-0.472	4.085	1.0000
1181	13.033	11.973	1.060	8.133	0.8687
1183	12.596	11.999	0.597	4.736	1.0000
1185	13.288	12.619	0.669	5.033	1.0000
1186	12.665	12.238	0.427	3.372	1.0000
1187	12.532	12.380	0.152	1.214	1.0000
1190	11.580	11.092	0.488	4.215	1.0000
1191	11.099	11.491	-0.392	3.529	1.0000
1192	11.244	11.697	-0.453	4.029	1.0000
1193	11.817	12.473	-0.656	5.554	1.0000
1194	11.944	11.709	0.235	1.965	1.0000
1195	12.723	11.646	1.076	8.460	0.8553
1202	12.709	12.528	0.181	1.423	1.0000
1203	11.943	12.116	-0.173	1.451	1.0000
1204	9.881	10.771	-0.890	9.003	1.0000
1205	12.998	11.653	1.345	10.351	0.6843
1206	11.605	11.619	-0.014	0.121	1.0000
1207	10.750	11.595	-0.844	7.853	1.0000
1212	11.166	11.502	-0.336	3.010	1.0000
1215	11.563	12.044	-0.481	4.162	1.0000
1216	12.842	11.947	0.895	6.966	1.0000
1217	12.104	11.276	0.828	6.837	1.0000
1219	12.813	12.314	0.499	3.893	1.0000
1221	11.754	11.587	0.167	1.421	1.0000
1225	12.003	11.920	0.084	0.698	1.0000
1226	13.381	11.804	1.577	11.788	0.5837
1227	12.405	12.228	0.176	1.421	1.0000
1228	12.443	11.642	0.800	6.433	1.0000
1230	10.362	11.259	-0.897	8.661	1.0000
1234	12.572	12.023	0.548	4.360	1.0000
1235	12.617	12.445	0.172	1.365	1.0000
1236	12.931	12.142	0.789	6.103	1.0000
1237	11.994	11.733	0.261	2.175	1.0000
1240	12.725	12.685	0.040	0.316	1.0000
1241	13.157	12.228	0.929	7.058	0.9915
1242	13.155	12.228	0.927	7.049	0.9929
1243	11.644	12.492	-0.848	7.280	1.0000
1244	11.979	12.519	-0.540	4.511	1.0000
1247	10.925	11.421	-0.496	4.541	1.0000
1248	11.713	11.705	0.008	0.069	1.0000
1250	12.826	11.674	1.152	8.980	0.7993

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1254	12.554	12.106	0.448	3.569	1.0000
1257	11.925	12.096	-0.171	1.434	1.0000
1269	12.119	11.810	0.309	2.552	1.0000
1270	12.801	12.185	0.616	4.812	1.0000
1271	12.931	12.004	0.927	7.170	0.9931
1272	10.769	11.822	-1.053	9.780	0.8741
1276	10.604	10.925	-0.321	3.028	1.0000
1277	11.774	11.493	0.280	2.379	1.0000
1280	12.022	11.333	0.688	5.725	1.0000
1281	12.656	12.405	0.251	1.980	1.0000
1284	10.604	11.116	-0.512	4.832	1.0000
1285	11.071	11.155	-0.083	0.752	1.0000
1287	10.373	11.895	-1.522	14.674	0.6049
1290	12.884	12.290	0.593	4.606	1.0000
1292	13.109	12.357	0.752	5.734	1.0000
1302	12.528	12.447	0.080	0.642	1.0000
1303	12.364	12.284	0.079	0.640	1.0000
1305	11.370	11.546	-0.177	1.553	1.0000
1306	12.043	11.842	0.200	1.662	1.0000
1308	11.872	11.888	-0.017	0.140	1.0000
1310	11.470	12.033	-0.563	4.911	1.0000
1311	12.189	11.778	0.411	3.369	1.0000
1313	12.201	11.765	0.436	3.577	1.0000
1315	12.158	12.743	-0.584	4.806	1.0000
1316	12.598	12.128	0.470	3.734	1.0000
1317	12.284	12.055	0.228	1.859	1.0000
1318	12.742	12.311	0.431	3.384	1.0000
1321	12.907	12.033	0.875	6.776	1.0000
1324	12.414	11.627	0.787	6.340	1.0000
1325	12.858	12.376	0.482	3.749	1.0000
1326	11.966	11.328	0.638	5.334	1.0000
1329	9.693	10.866	-1.174	12.107	0.7846
1332	10.455	12.287	-1.831	17.516	0.5027
1334	11.976	12.284	-0.308	2.574	1.0000
1336	12.343	12.134	0.209	1.696	1.0000
1338	11.108	11.272	-0.163	1.469	1.0000
1340	10.676	11.857	-1.181	11.061	0.7797
1342	12.825	12.759	0.066	0.514	1.0000
1346	11.809	11.819	-0.010	0.084	1.0000
1351	11.451	11.466	-0.015	0.135	1.0000
1352	12.573	11.856	0.717	5.699	1.0000
1355	11.455	11.744	-0.289	2.523	1.0000
1357	11.397	11.646	-0.248	2.180	1.0000
1359	12.636	12.152	0.484	3.829	1.0000
1360	11.950	11.929	0.021	0.179	1.0000
1361	11.285	11.900	-0.616	5.457	1.0000
1362	12.961	12.305	0.656	5.059	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1365	12.410	12.277	0.133	1.072	1.0000
1367	12.638	11.874	0.765	6.051	1.0000
1374	12.307	11.733	0.574	4.663	1.0000
1377	13.037	12.808	0.229	1.756	1.0000
1380	12.369	11.571	0.799	6.456	1.0000
1382	13.176	12.173	1.003	7.616	0.9175
1383	12.527	12.269	0.258	2.059	1.0000
1385	12.398	12.671	-0.273	2.203	1.0000
1386	12.240	12.288	-0.048	0.395	1.0000
1387	12.390	12.032	0.358	2.889	1.0000
1388	11.839	11.956	-0.116	0.981	1.0000
1389	10.923	11.636	-0.713	6.530	1.0000
1395	12.367	11.935	0.432	3.492	1.0000
1396	12.814	12.852	-0.037	0.290	1.0000
1400	12.267	12.346	-0.079	0.641	1.0000
1405	12.523	11.900	0.623	4.978	1.0000
1406	12.905	11.731	1.173	9.092	0.7847
1407	12.658	12.237	0.422	3.330	1.0000
1408	12.542	12.191	0.352	2.803	1.0000
1411	12.849	12.381	0.468	3.639	1.0000
1413	11.522	11.308	0.213	1.852	1.0000
1414	12.255	11.961	0.293	2.395	1.0000
1416	11.076	12.452	-1.376	12.426	0.6690
1418	12.080	11.480	0.599	4.961	1.0000
1419	12.303	13.034	-0.731	5.946	1.0000
1426	11.965	11.788	0.177	1.478	1.0000
1427	9.942	11.145	-1.203	12.095	0.7656
1430	12.668	11.922	0.746	5.891	1.0000
1431	10.296	11.051	-0.755	7.330	1.0000
1433	11.970	12.806	-0.836	6.986	1.0000
1439	11.457	11.803	-0.346	3.017	1.0000
1440	11.772	11.969	-0.196	1.669	1.0000
1441	11.079	11.104	-0.025	0.227	1.0000
1442	12.330	12.207	0.122	0.991	1.0000
1444	12.466	12.098	0.367	2.948	1.0000
1446	13.123	12.672	0.451	3.433	1.0000
1448	12.665	12.331	0.334	2.636	1.0000
1451	12.150	11.930	0.220	1.810	1.0000
1452	11.892	11.751	0.140	1.180	1.0000
1455	11.116	12.219	-1.103	9.923	0.8347
1457	11.757	11.527	0.229	1.951	1.0000
1458	11.805	11.586	0.220	1.860	1.0000
1461	12.445	12.192	0.253	2.035	1.0000
1469	12.080	12.412	-0.332	2.752	1.0000
1470	12.579	12.253	0.326	2.592	1.0000
1472	13.722	12.494	1.228	8.949	0.7497
1473	11.704	11.931	-0.227	1.943	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1477	12.192	11.915	0.276	2.266	1.0000
1479	12.499	11.829	0.670	5.362	1.0000
1480	11.874	11.714	0.161	1.352	1.0000
1483	11.745	11.767	-0.022	0.186	1.0000
1485	12.499	11.836	0.664	5.309	1.0000
1487	12.102	11.680	0.422	3.488	1.0000
1489	13.108	11.973	1.135	8.659	0.8112
1490	12.852	11.839	1.013	7.881	0.9090
1491	11.639	11.275	0.363	3.121	1.0000
1496	11.857	11.411	0.446	3.759	1.0000
1498	12.368	12.605	-0.237	1.915	1.0000
1500	11.074	11.852	-0.779	7.030	1.0000
1502	11.823	12.143	-0.320	2.709	1.0000
1503	12.203	12.544	-0.341	2.791	1.0000
1504	12.411	11.862	0.550	4.428	1.0000
1505	13.006	11.605	1.400	10.766	0.6575
1507	12.940	12.329	0.611	4.722	1.0000
1512	13.822	11.806	2.017	14.592	0.4565
1514	11.439	11.402	0.038	0.331	1.0000
1516	11.732	11.740	-0.009	0.074	1.0000
1517	12.188	11.617	0.571	4.688	1.0000
1518	12.066	12.533	-0.467	3.869	1.0000
1519	12.117	11.794	0.323	2.669	1.0000
1520	10.864	12.349	-1.485	13.670	0.6199
1522	11.888	11.588	0.300	2.524	1.0000
1528	12.722	12.097	0.625	4.912	1.0000
1529	11.479	11.839	-0.361	3.141	1.0000
1530	12.451	11.422	1.029	8.267	0.8945
1534	11.796	11.968	-0.171	1.453	1.0000
1539	12.354	11.728	0.626	5.066	1.0000
1540	12.281	12.304	-0.023	0.185	1.0000
1541	12.216	13.069	-0.853	6.982	1.0000
1542	12.425	12.272	0.153	1.232	1.0000
1546	12.736	11.665	1.071	8.409	0.8597
1547	11.089	11.653	-0.563	5.077	1.0000
1548	13.353	12.385	0.968	7.249	0.9511
1551	12.915	12.253	0.662	5.127	1.0000
1552	12.079	11.892	0.187	1.549	1.0000
1555	10.996	11.738	-0.743	6.754	1.0000
1556	11.281	12.030	-0.749	6.638	1.0000
1560	12.462	12.055	0.407	3.269	1.0000
1563	11.493	11.636	-0.143	1.245	1.0000
1565	11.802	12.414	-0.612	5.186	1.0000
1571	12.520	12.188	0.332	2.653	1.0000
1574	10.887	11.687	-0.800	7.351	1.0000
1578	12.382	11.688	0.695	5.610	1.0000
1579	12.447	11.753	0.694	5.579	1.0000

Robust Multiple Regression Report

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1580	11.591	11.459	0.133	1.145	1.0000
1582	10.575	11.795	-1.220	11.537	0.7546
1585	11.531	12.436	-0.906	7.855	1.0000
1587	11.688	11.192	0.496	4.241	1.0000
1588	12.882	12.103	0.779	6.045	1.0000
1591	11.005	11.210	-0.205	1.862	1.0000
1592	11.106	12.164	-1.058	9.527	0.8702
1593	11.434	11.792	-0.357	3.122	1.0000
1594	12.183	12.189	-0.006	0.046	1.0000
1595	11.046	11.742	-0.697	6.306	1.0000
1597	11.810	11.671	0.139	1.173	1.0000
1601	12.533	11.871	0.662	5.285	1.0000
1608	12.538	11.695	0.843	6.721	1.0000
1610	12.406	11.968	0.438	3.531	1.0000
1611	13.033	11.864	1.169	8.967	0.7879
1613	11.579	11.638	-0.059	0.508	1.0000
1615	10.888	11.486	-0.598	5.491	1.0000
1618	13.030	12.197	0.833	6.393	1.0000
1620	11.853	12.171	-0.318	2.686	1.0000
1621	11.956	11.728	0.228	1.911	1.0000
1622	12.398	11.761	0.637	5.136	1.0000
1623	12.050	11.136	0.913	7.580	1.0000
1626	11.348	11.373	-0.025	0.218	1.0000
1628	11.929	12.065	-0.136	1.142	1.0000
1629	12.771	11.290	1.482	11.601	0.6214
1630	13.026	12.579	0.447	3.430	1.0000
1632	12.684	12.781	-0.097	0.763	1.0000
1633	11.206	12.045	-0.839	7.482	1.0000
1634	12.339	12.594	-0.256	2.071	1.0000
1636	11.763	11.674	0.089	0.755	1.0000
1638	12.761	11.984	0.777	6.092	1.0000
1640	12.718	11.413	1.304	10.257	0.7058
1641	11.983	12.292	-0.309	2.580	1.0000
1642	10.984	11.660	-0.675	6.148	1.0000
1645	11.756	11.414	0.341	2.904	1.0000
1648	12.116	11.863	0.253	2.090	1.0000
1653	11.089	11.881	-0.792	7.139	1.0000
1654	11.511	11.645	-0.134	1.163	1.0000
1655	13.139	12.567	0.573	4.358	1.0000
1656	12.261	12.580	-0.320	2.606	1.0000
1658	13.650	12.500	1.150	8.424	0.8007
1660	11.567	11.473	0.094	0.816	1.0000
1661	12.173	12.191	-0.018	0.147	1.0000
1662	12.423	11.913	0.510	4.101	1.0000
1663	11.137	11.676	-0.539	4.839	1.0000
1665	11.422	12.129	-0.707	6.189	1.0000
1666	12.471	11.714	0.757	6.071	1.0000

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 Dependent Ln_Sale_Price

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1667	12.860	11.810	1.051	8.169	0.8764
1668	12.939	12.137	0.802	6.201	1.0000
1674	12.850	12.422	0.428	3.330	1.0000
1675	12.933	12.514	0.419	3.243	1.0000
1679	12.307	11.773	0.535	4.343	1.0000
1683	12.260	11.788	0.472	3.847	1.0000
1685	10.730	11.712	-0.982	9.150	0.9377
1686	12.564	12.538	0.025	0.201	1.0000
1687	12.577	12.501	0.076	0.606	1.0000
1689	11.811	11.998	-0.187	1.587	1.0000
1692	12.990	12.370	0.621	4.777	1.0000
1693	10.806	11.026	-0.220	2.040	1.0000
1694	11.737	11.633	0.104	0.884	1.0000
1696	11.126	11.543	-0.417	3.746	1.0000
1697	12.434	12.062	0.372	2.992	1.0000
1699	12.648	12.015	0.633	5.007	1.0000
1702	11.306	11.782	-0.475	4.203	1.0000
1703	11.615	11.051	0.564	4.856	1.0000
1704	9.925	11.504	-1.579	15.911	0.5830
1708	11.682	11.571	0.111	0.948	1.0000
1709	12.861	11.544	1.317	10.242	0.6989
1713	11.109	11.637	-0.529	4.758	1.0000
1715	10.954	11.787	-0.834	7.611	1.0000
1717	12.630	12.148	0.483	3.821	1.0000
1719	11.767	11.820	-0.054	0.455	1.0000
1720	12.648	11.948	0.700	5.531	1.0000
1722	11.340	11.620	-0.281	2.475	1.0000
1725	10.741	11.561	-0.820	7.632	1.0000
1727	11.823	12.281	-0.458	3.876	1.0000
1732	12.778	12.331	0.447	3.500	1.0000
1734	11.862	11.927	-0.065	0.547	1.0000
1735	11.953	11.860	0.093	0.774	1.0000
1738	12.149	11.447	0.703	5.785	1.0000
1740	11.795	11.904	-0.108	0.920	1.0000
1743	11.586	11.466	0.121	1.041	1.0000
1745	11.113	11.262	-0.149	1.341	1.0000
1747	12.084	12.026	0.058	0.481	1.0000
1749	11.021	11.593	-0.573	5.195	1.0000
1750	12.761	12.119	0.642	5.032	1.0000
1751	11.583	12.421	-0.838	7.236	1.0000
1752	12.523	12.358	0.164	1.312	1.0000
1754	12.850	12.202	0.648	5.045	1.0000
1757	12.078	12.442	-0.364	3.014	1.0000
1758	12.005	12.237	-0.232	1.934	1.0000
1759	12.815	11.704	1.111	8.672	0.8284
1762	10.605	11.758	-1.153	10.874	0.7984
1764	11.869	11.072	0.797	6.718	1.0000

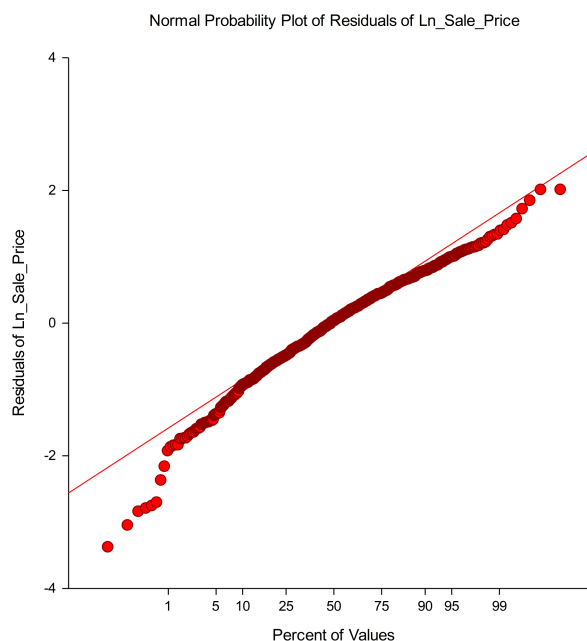
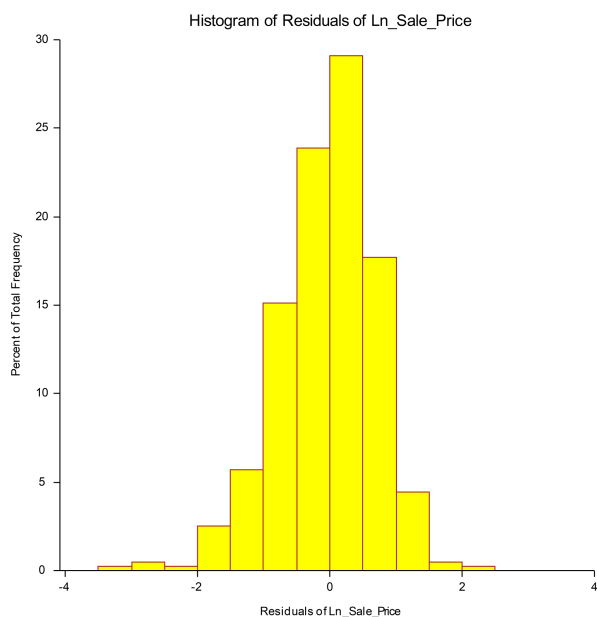
Robust Multiple Regression Report

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

Robust Residuals and Weights (Continued)

Row	Actual Ln_Sale_Price	Predicted Ln_Sale_Price	Residual	Absolute Percent Error	Robust Weight
1773	12.641	12.268	0.373	2.949	1.0000
1777	12.737	12.140	0.596	4.682	1.0000
1780	11.326	11.308	0.017	0.154	1.0000
1781	11.180	11.630	-0.449	4.019	1.0000
1785	12.219	11.917	0.302	2.472	1.0000
1786	12.688	12.065	0.622	4.905	1.0000
1787	12.005	11.774	0.232	1.928	1.0000
1790	11.105	11.919	-0.814	7.330	1.0000
1793	12.320	11.206	1.114	9.041	0.8266
1795	11.481	11.255	0.226	1.971	1.0000
1798	11.657	11.779	-0.122	1.043	1.0000
1800	11.254	11.785	-0.531	4.722	1.0000
1801	12.836	11.679	1.157	9.012	0.7959
1802	11.110	10.890	0.220	1.978	1.0000
1805	12.690	12.323	0.366	2.886	1.0000
1806	12.381	12.098	0.283	2.287	1.0000
1809	12.968	12.004	0.964	7.430	0.9555
1810	12.562	12.151	0.410	3.267	1.0000
1812	11.994	11.615	0.379	3.161	1.0000
1815	11.635	11.736	-0.101	0.868	1.0000

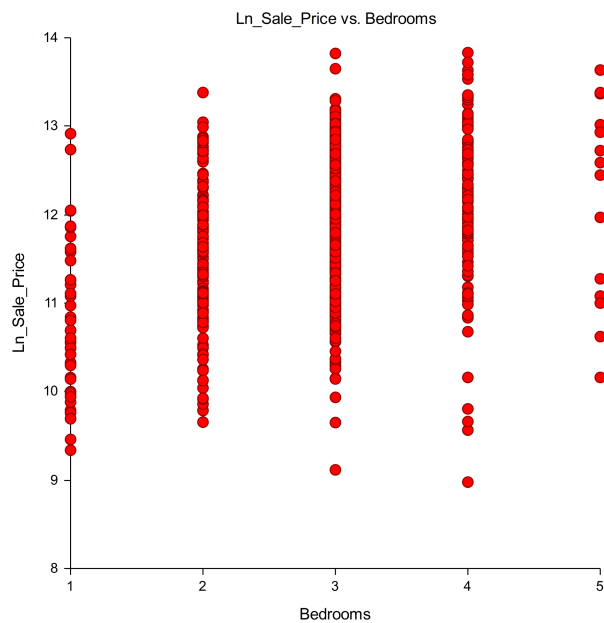
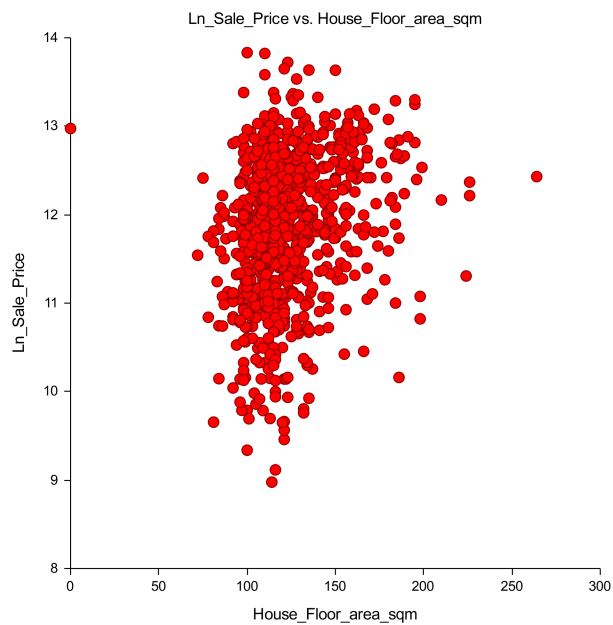
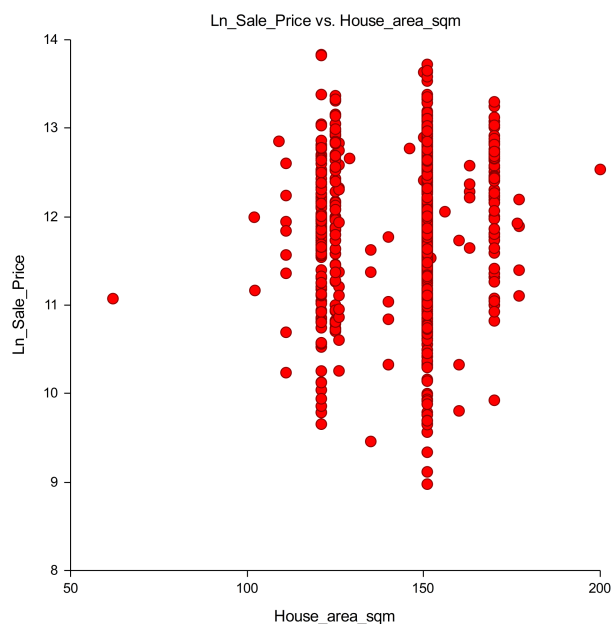
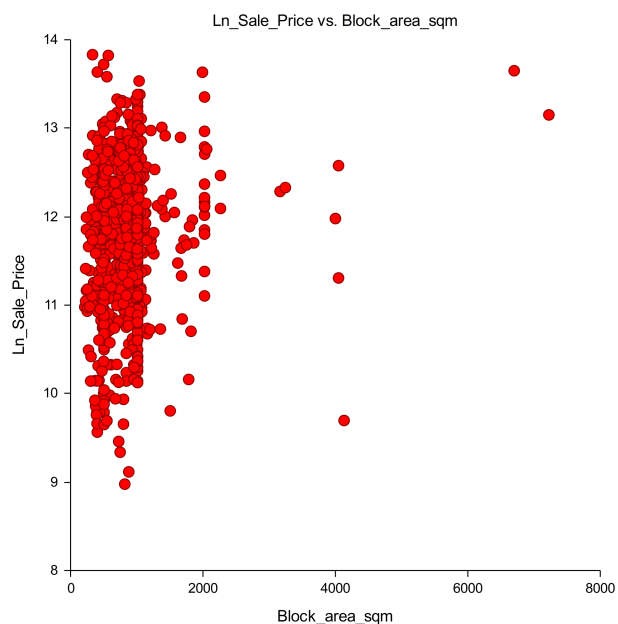
Distributional Plots of Residuals



Robust Multiple Regression Report

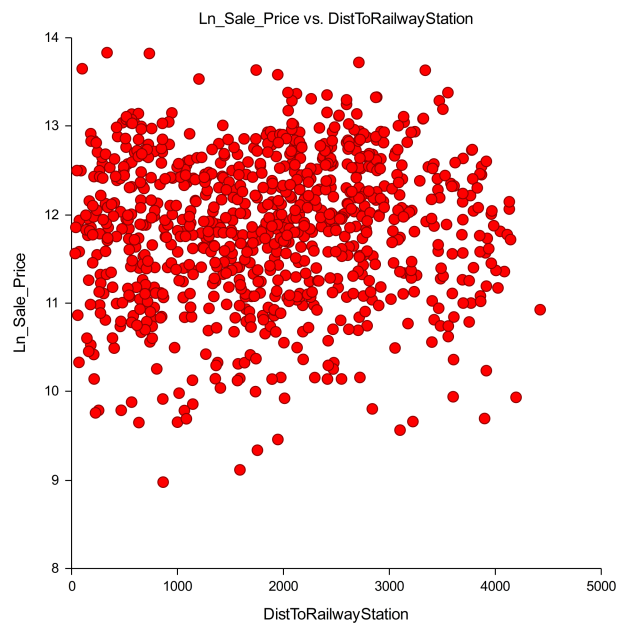
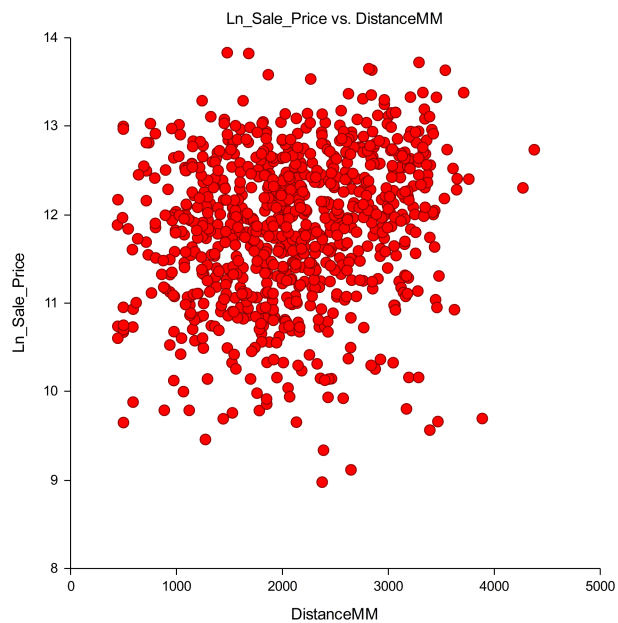
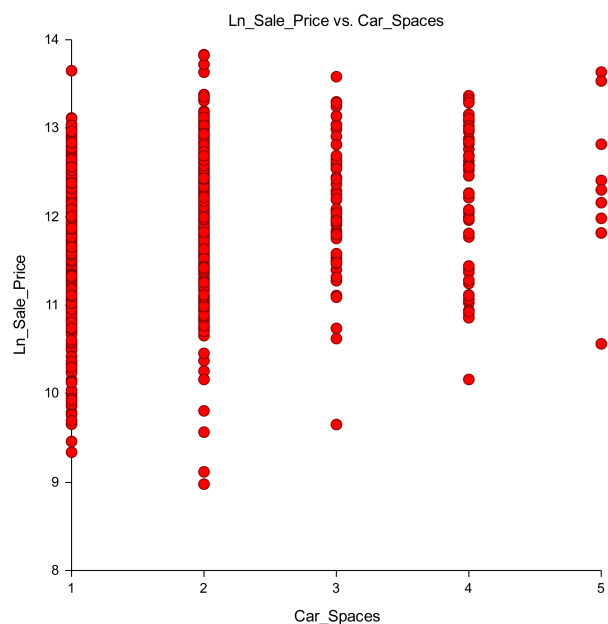
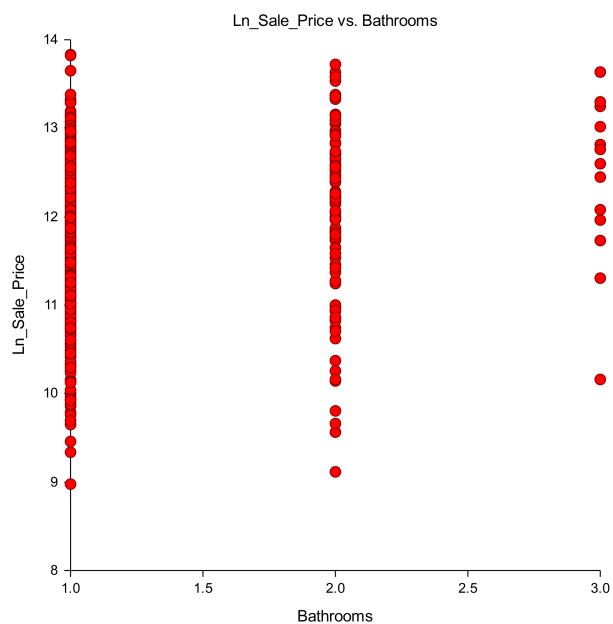
Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
Dependent Ln_Sale_Price

Y vs X Plots



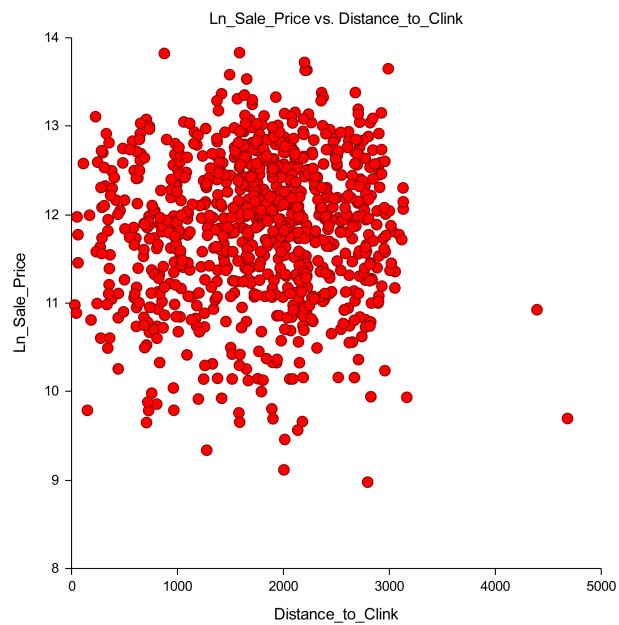
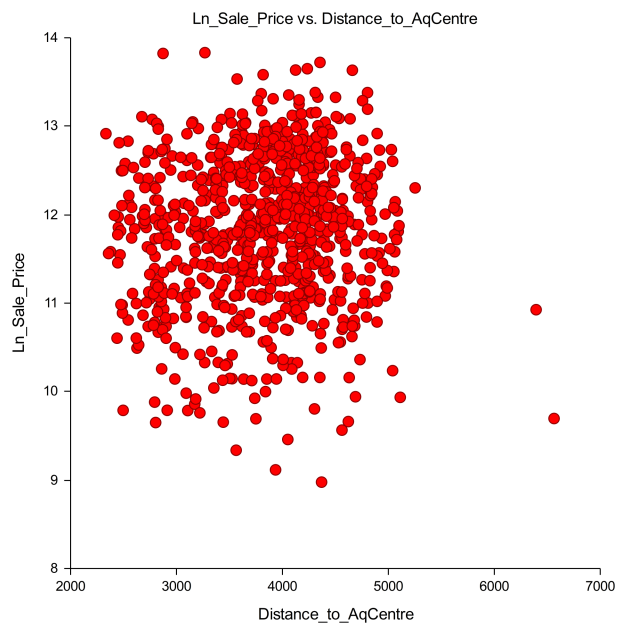
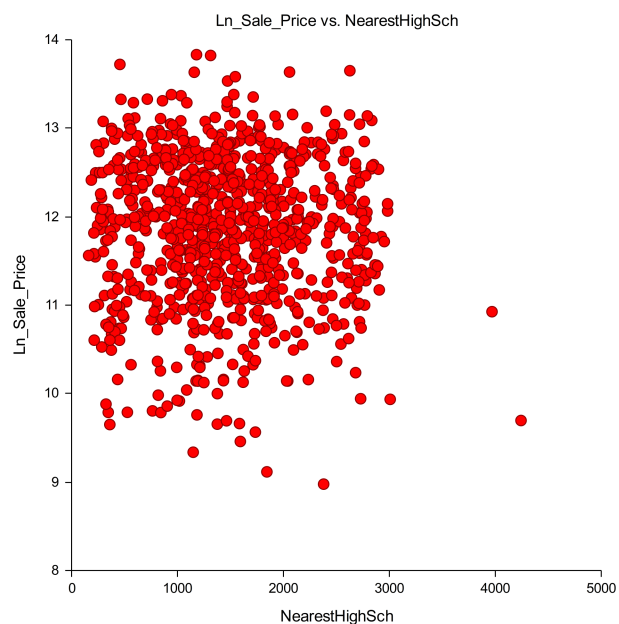
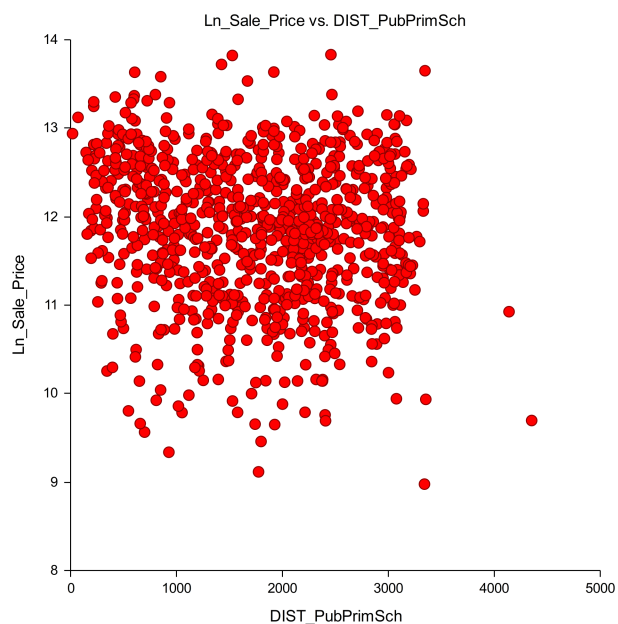
Robust Multiple Regression Report

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

Y vs X Plots (Continued)

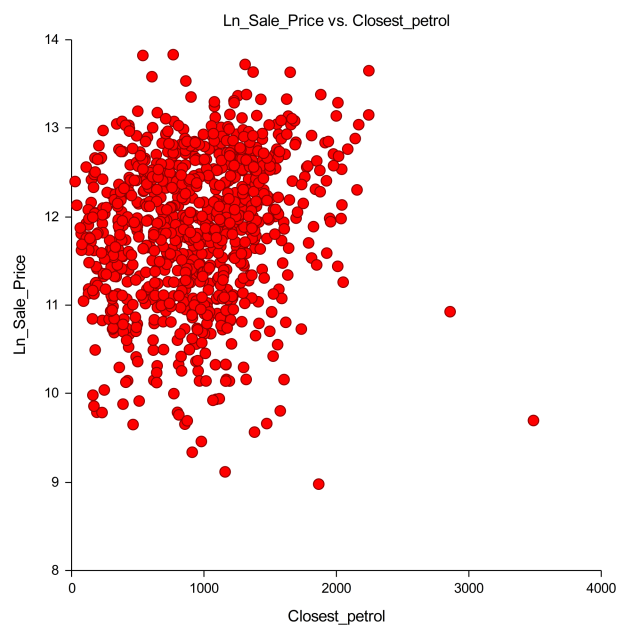
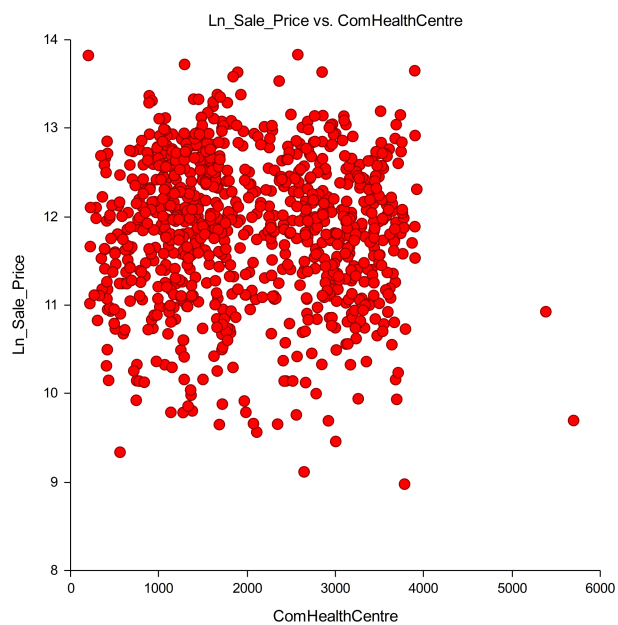
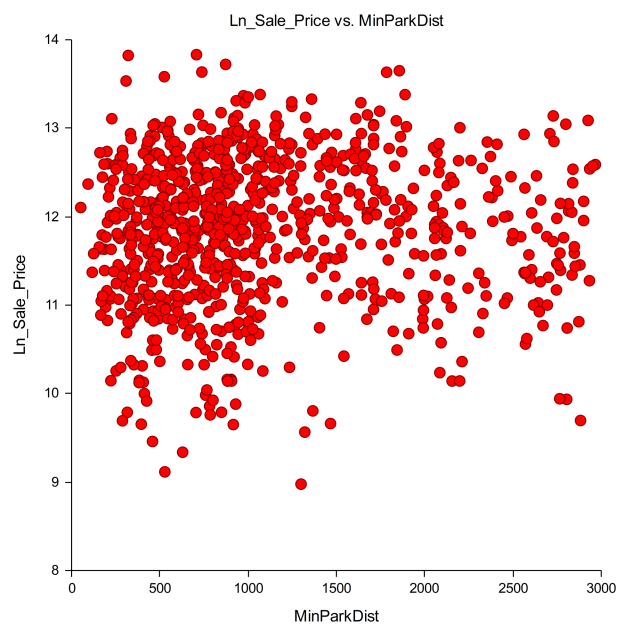
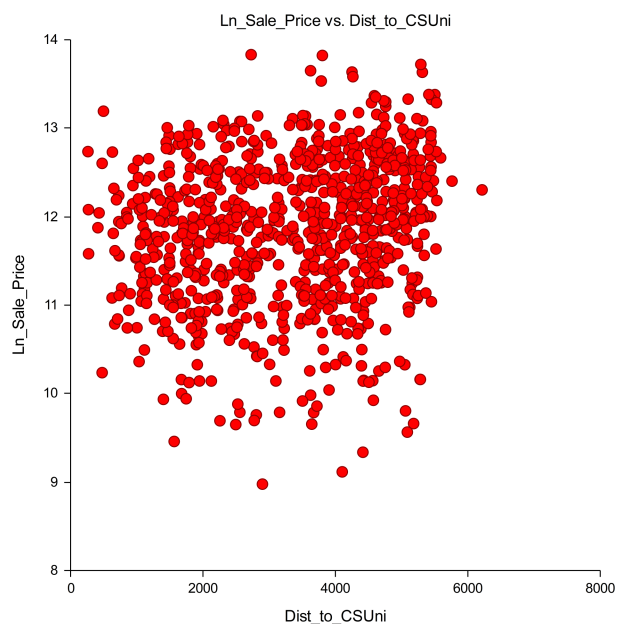
Robust Multiple Regression Report

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

Y vs X Plots (Continued)

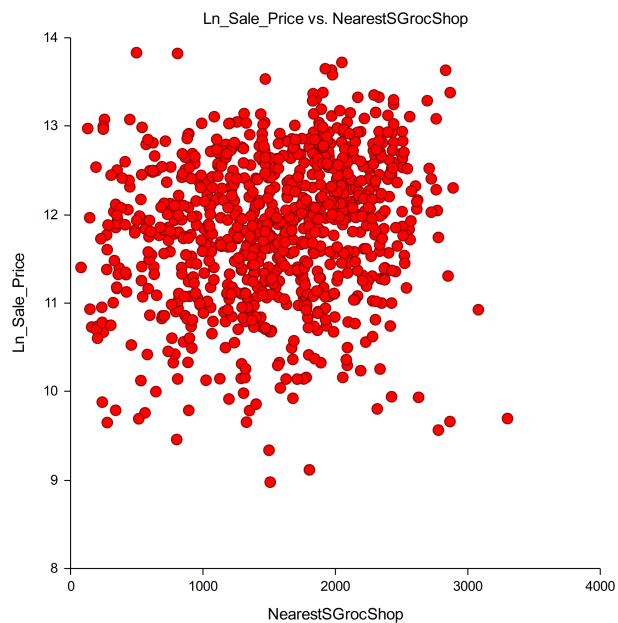
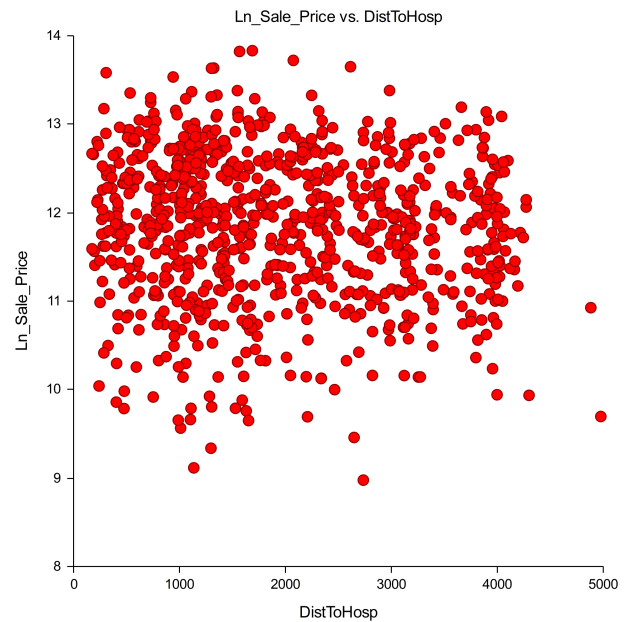
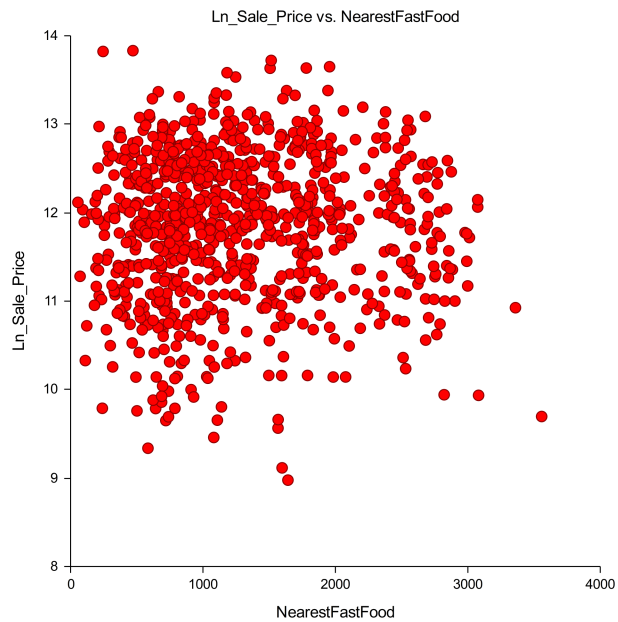
Robust Multiple Regression Report

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

Y vs X Plots (Continued)

Robust Multiple Regression Report

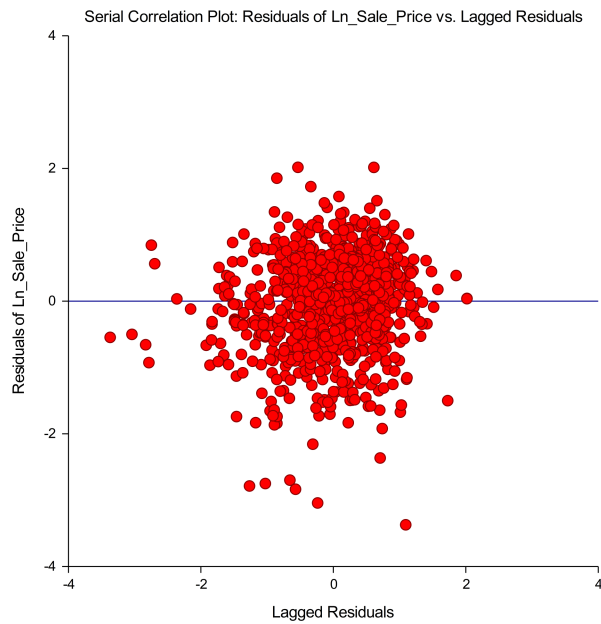
Dataset C:\Users\Dr_Ia\Desktop\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
Dependent Ln_Sale_Price

Y vs X Plots (Continued)

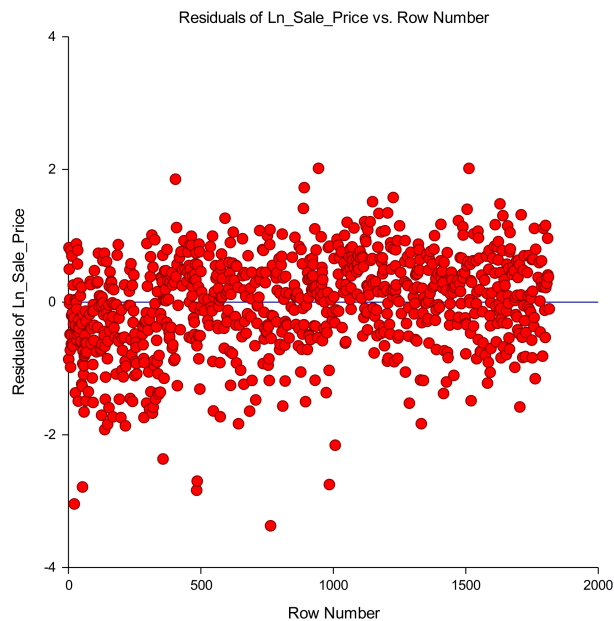
Robust Multiple Regression Report

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

Serial Correlation Plot: Residuals vs Lagged Residuals



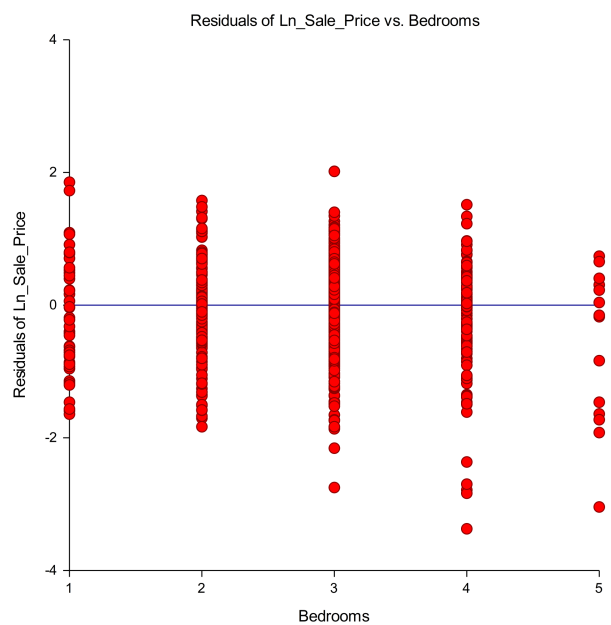
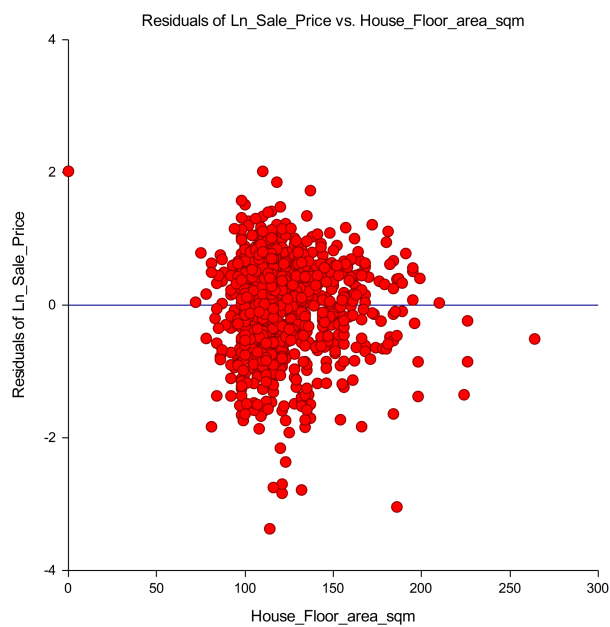
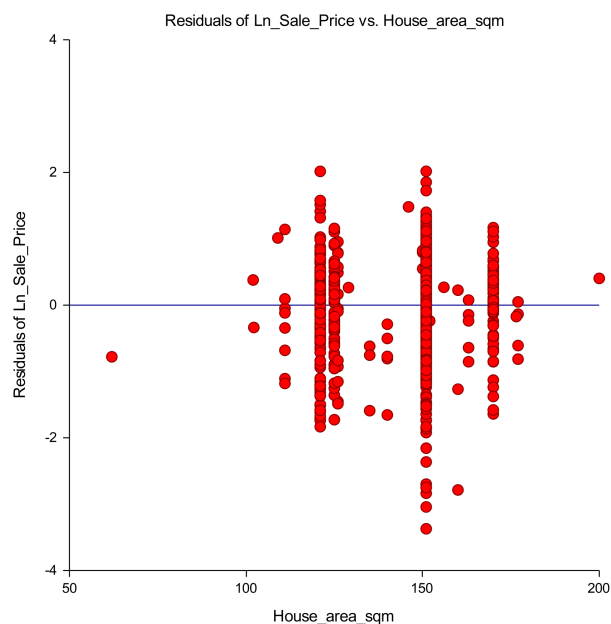
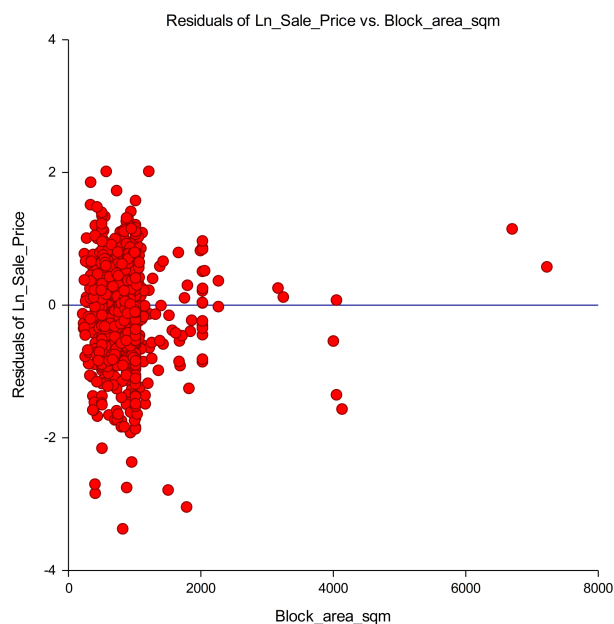
Sequence Plot: Residuals vs Row



Robust Multiple Regression Report

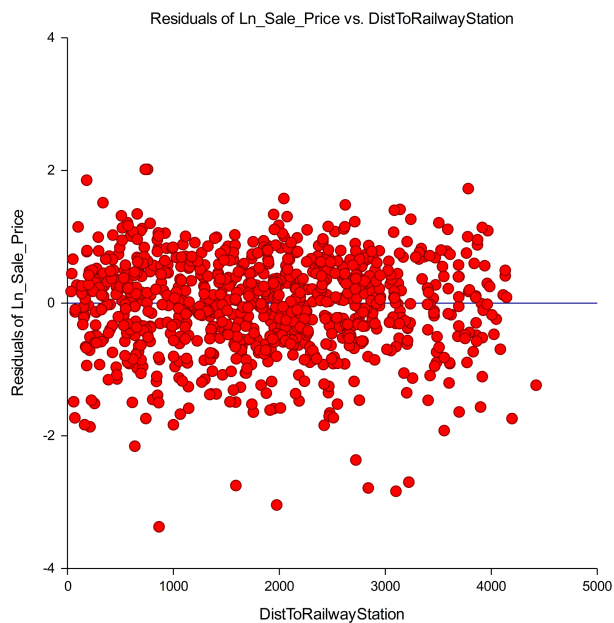
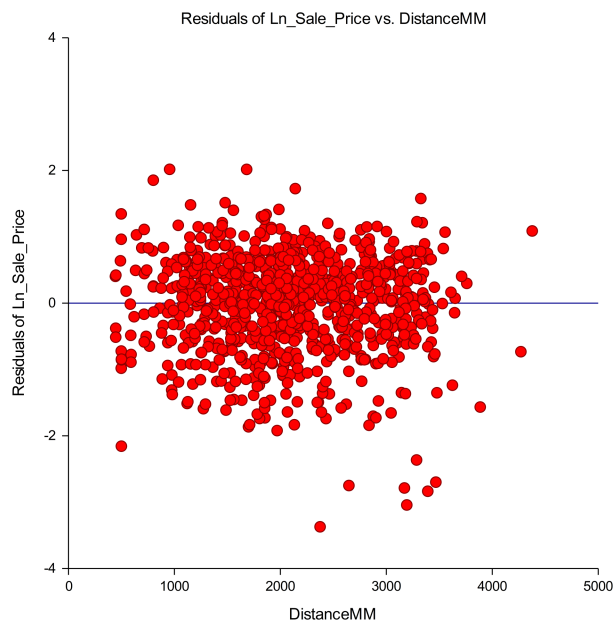
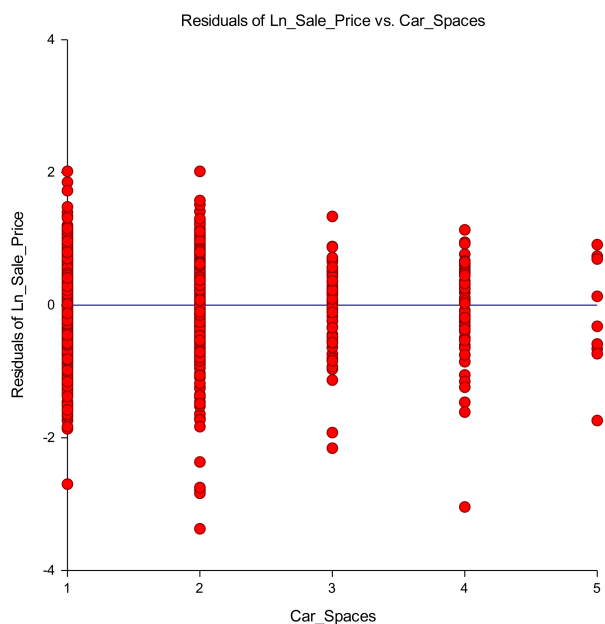
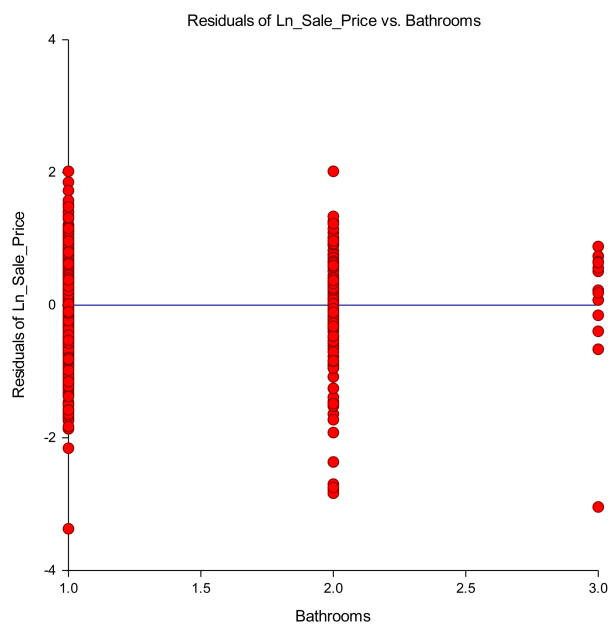
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Dependent Ln_Sale_Price

Residuals vs X Plots



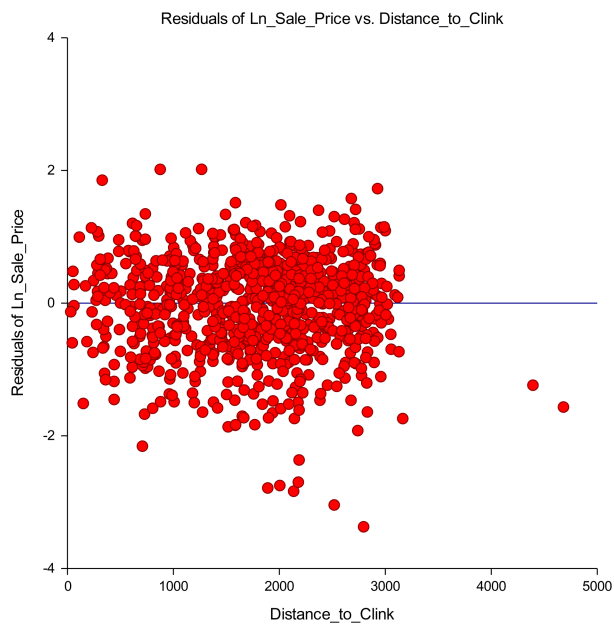
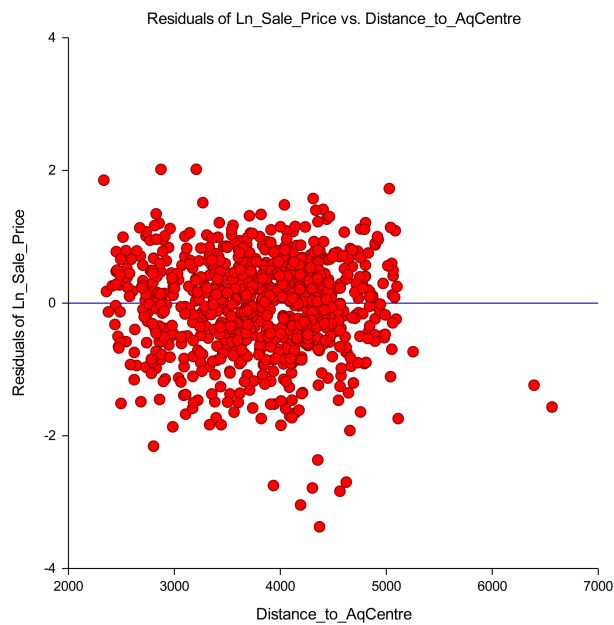
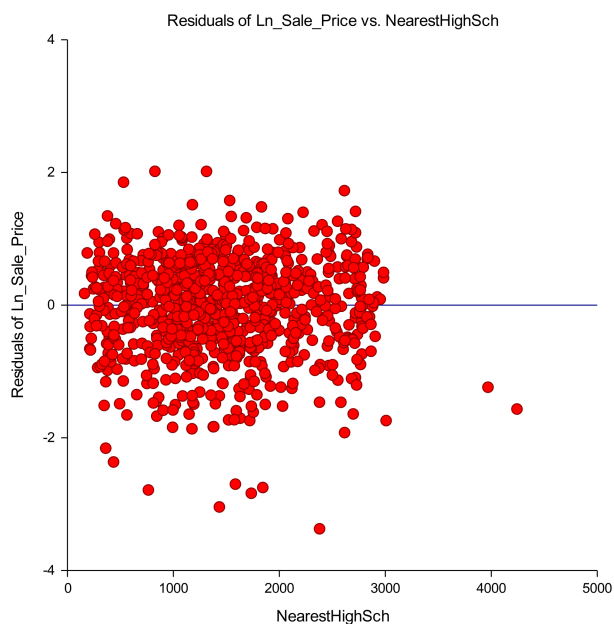
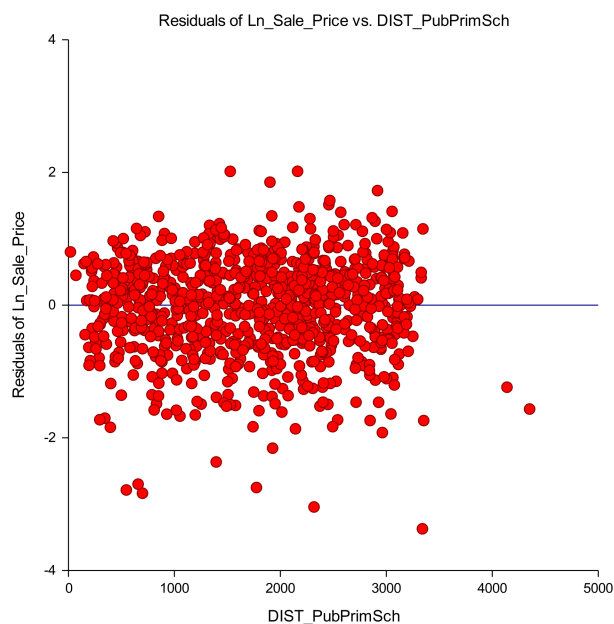
Robust Multiple Regression Report

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

Residuals vs X Plots (Continued)

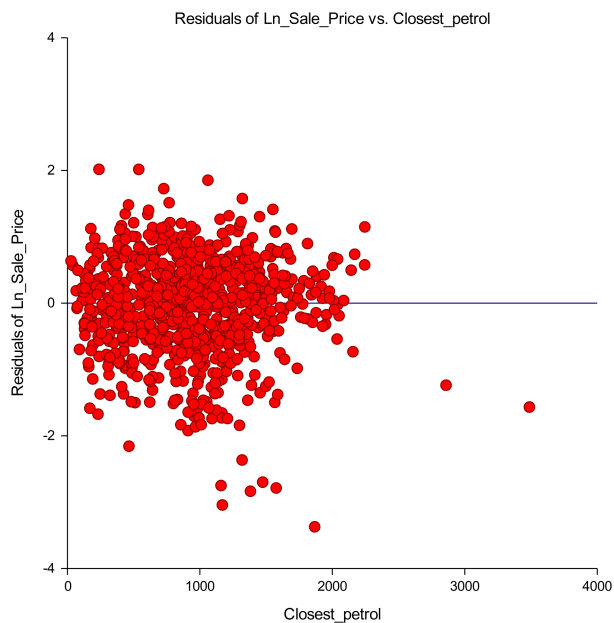
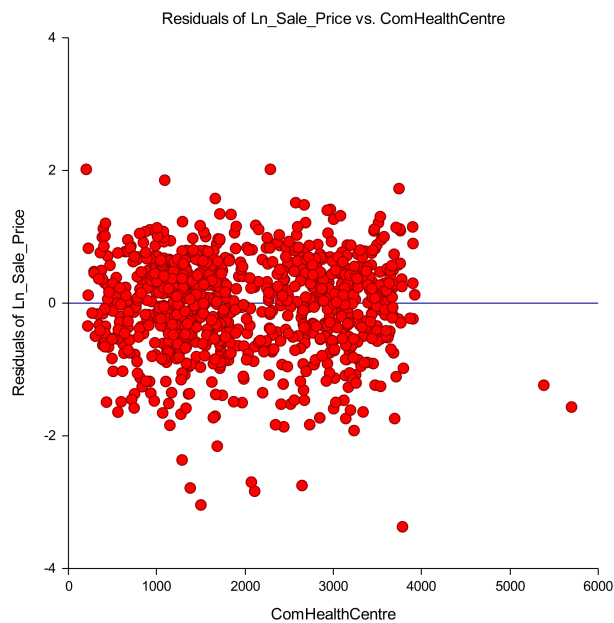
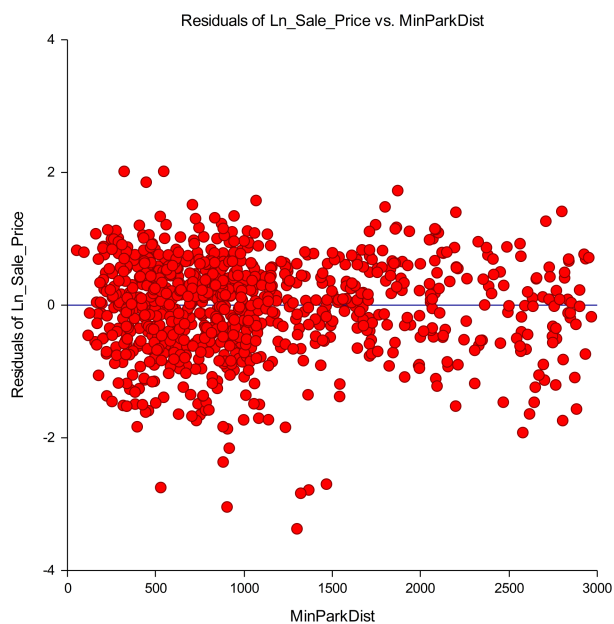
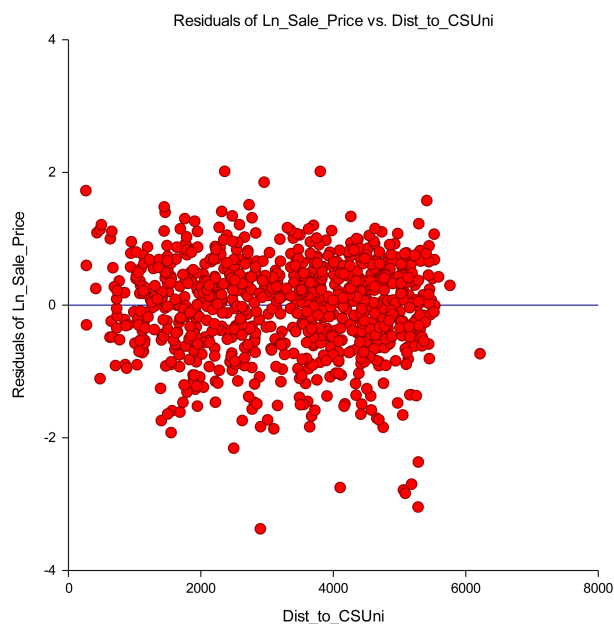
Robust Multiple Regression Report

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

Residuals vs X Plots (Continued)

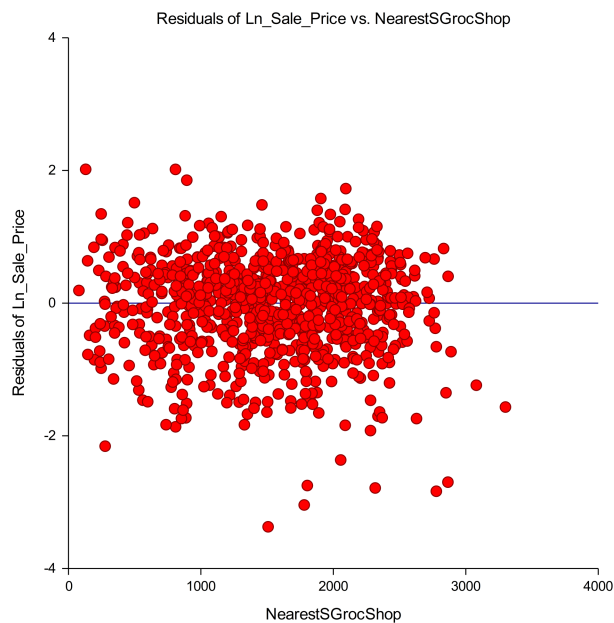
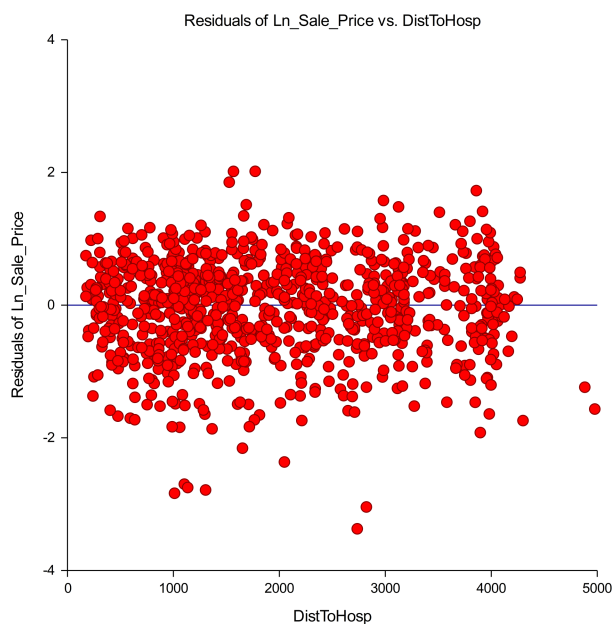
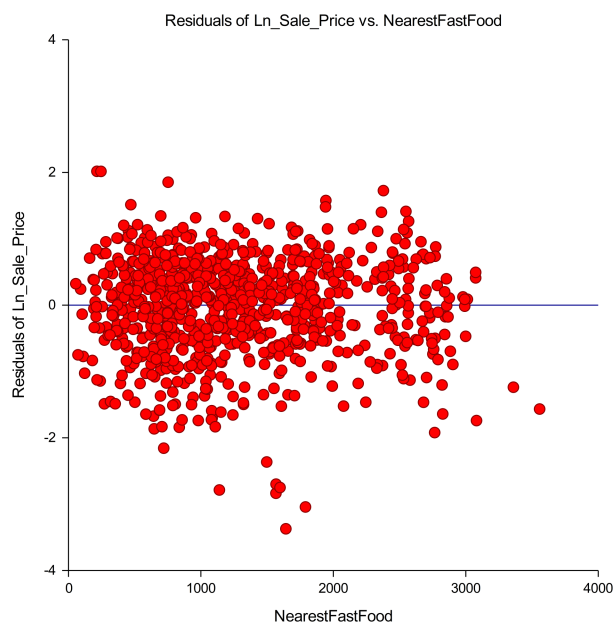
Robust Multiple Regression Report

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

Residuals vs X Plots (Continued)

Robust Multiple Regression Report

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

Residuals vs X Plots (Continued)

Robust Multiple Regression Report

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

Procedure Input Settings**Autosaved Template File**

C:\Users\Dr_Ia\Documents\NCSS 2022\Procedure Templates\Autosave\Robust Regression - Autosaved
 2023_4_11-13_26_49.t158

Variables, Model Tab

-- Variables -----
 Y: Ln_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, DistToHosp,
 NearestSGrocShop
 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\Late2022\Panelresults\Thesis Data\BHTotalData12Sep2022.xlsx
 Dependent Ln_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	Checked
ANOVA Detail	Unchecked
.. Assumptions	
PRESS Statistics	Checked
Normality Tests	Checked
Durbin-Watson	Checked
.. X Diagnostics	
R ²	Checked
Variable Omission	Checked
Sum of Squares	Checked
Sequential Models	Checked
Multicollinearity	Checked
.. Eigenvalues	
Eigenvalues - Centered	Unchecked
Eigenvectors - Centered	Unchecked
Eigenvalues - Uncentered	Unchecked
Eigenvectors - Uncentered	Unchecked
.. 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

Robust Multiple Regression Report

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

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

-- 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

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

Robust Multiple Regression Report

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