```
Dataset = Dataset_MAIN/all_data_all_tracts.csv
Shapefile = Listings shp/MAIN_CT_All/ALL_TRACTS_ALL_DATA.shp
Variable #1 :log BART dist
Variable #2 :coastal_tracts_dummy
Variable #3 :log_CBD_dist
Variable #4 :percent_bachelors_degree
Variable #5 :percent_unempl
Variable #6 :percent_foreign_born
Variable #7 :percent_bpl
Variable #8 :percent_white
Variable #9 :percent_african_american_or_black
Variable #10 :percent hispanic
Variable #11 :percent other races
Variable #12 : log MHI
Variable #13 :percent airbnb all rentals
y = rent_aff 1
Method = Spatial Lag Model -- Maximum Likelihood
REGRESSION
SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)
 -----
Data set :Dataset_MAIN/all_data_all_tracts.csv
Weights matrix :ALL_TRACTS_ALL_DATA.shp
Dependent Variable : rent_aff_1 Number of
                                                                                                                        976
Mean dependent var : 46.8731
S.D. dependent var : 13.9358
Pseudo R-squared : 0.3646
Spatial Pseudo R-squared: 0.3561
Sigma-square MI
                                                                         Number of Observations:
                                                                         Number of Variables :
Degrees of Freedom :
                                                                                                                          15
                                                                                                                          961
                                                               Log likelihood : -3735.694
Akaike info criterion : 7501.388
Sigma-square ML : 123.268
S.E of regression : 11.103
                                                                         Schwarz criterion : 7574.640
 Variable Coefficient Std.Error z-Statistic Probability
           CONSTANT 134.7756703 16.6538170 8.0927796 0.0000000 var_1 1.3050257 0.4057906 3.2160074 0.0012999 var_2 -6.3602861 2.4746723 -2.5701529 0.0101654 var_3 1.4255278 0.4756042 2.9972988 0.0027238 var_4 -0.1212781 0.0338615 -3.5815985 0.0003415 var_5 0.4084221 0.1842225 2.2170050 0.0266228 var_6 0.1709844 0.0531571 3.2165860 0.0012973 var_7 0.0087233 0.0717228 0.1216253 0.9031958 var_8 0.1033336 0.0494370 2.0902090 0.0365990 var_9 0.1662843 0.0678183 2.4519072 0.0142101 var_10 0.0099319 0.0493416 0.2012884 0.8404731 var_11 0.0208699 0.2324251 0.0897918 0.9284526 var_12 -10.1876727 1.4707647 -6.9267862 0.0000000 var_13 0.0521997 0.0217684 2.3979577 0.0164868 W_rent_aff_1 0.1222259 0.0396730 3.0808321 0.0020642
 -----
```

y = rent aff 2Method = Spatial Lag Model -- Maximum Likelihood

REGRESSION

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)

Data set :Dataset_MAIN/all_data_all_tracts.csv
Weights matrix :ALL_TRACTS_ALL_DATA.shp
Dependent Variable : rent_aff_2 Number of 976 Number of Observations: Mean dependent var : $2\overline{3}.18\overline{8}5$ Number of Variables : 15 Degrees of Freedom : S.D. dependent var : 10.8025 Pseudo R-squared : 0.3121 961

Spatial Pseudo R-squared: 0.3100

Log likelihood : -3524.859 Sigma-square ML : 80.190 S.E of regression : 8.955 Akaike info criterion: 7079.718 Schwarz criterion : 7152.970

	Variable	Coefficient	Std.Error	z-Statistic	Probability
W	CONSTANT var_1 var_2 var_3 var_4 var_5 var_6 var_7 var_8 var_9 var_10 var_11 var_12 var_13 rent_aff_2	75.0933898 1.1902269 -4.3397654 0.2047413 -0.0575940 0.5803379 0.0760228 0.2148456 0.0405129 0.0249101 -0.0109084 -0.2483288 -5.8108532 0.0431371 0.0649666	13.3733472 0.3273606 1.9963013 0.3837250 0.0272939 0.1485858 0.0428731 0.0578453 0.0398737 0.0546814 0.0397966 0.1874694 1.1862808 0.0175573 0.0417849	5.6151529 3.6358286 -2.1739030 0.5335626 -2.1101406 3.9057433 1.7732055 3.7141387 1.0160306 0.4555498 -0.2741046 -1.3246365 -4.8983791 2.4569367 1.5547873	0.0000000 0.0002771 0.0297124 0.5936442 0.0348462 0.0000939 0.0761947 0.0002039 0.3096148 0.6487138 0.7840043 0.1852917 0.0000010 0.0140127 0.1199967
_					

y = rent aff 3Method = Spatial Lag Model -- Maximum Likelihood

REGRESSION

_ _ _ _ _ _ _ _ _ _

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)

Number of Observations: Number of Variables : Degrees of Freedom : 976 Mean dependent var : $1\overline{6}.32\overline{5}7$ 15 S.D. dependent var : 7.7469 Pseudo R-squared : 0.3319 961

Spatial Pseudo R-squared: 0.2735

Log likelihood : -3198.771 Sigma-square ML : 40.120 S.E of regression : 6.334 Akaike info criterion: 6427.542 Schwarz criterion: 6500.794

Variable	Coefficient	Std.Error	z-Statistic	Probability	
CONSTANT var_1 var_2 var_3 var_4 var_5 var_6 var_7 var_8 var_9 var_10 var_11 var_12	-4.9716644 0.5831056 0.9130988 -3.4615223 -0.0557453 -0.0162845 0.0838472 -0.0099397 -0.0141815 -0.1234667 -0.0107099 0.1129525 2.8786889	9.4320225 0.2319534 1.4111814 0.2742404 0.0193002 0.1051072 0.0303332 0.0409182 0.0282061 0.0387051 0.0281498 0.1326591 0.8390645	-0.5271048 2.5138909 0.6470456 -12.6222186 -2.8883366 -0.1549320 2.7642012 -0.2429160 -0.5027822 -3.1899301 -0.3804620 0.8514489 3.4308316	0.5981208 0.0119407 0.5176024 0.0000000 0.0038729 0.8768750 0.0057062 0.8080705 0.6151174 0.0014231 0.7036025 0.3945200 0.0006017	
var_13 W rent aff 3	0.0112567 0.3472085	0.0124195 0.0360927	0.9063782 9.6198998	0.3647357 0.0000000	

----- END OF REPORT ------

y = log median rent Method = Spatial Lag Model -- Maximum Likelihood

REGRESSION

_ _ _ _ _ _ _ _ _ _ _

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)

Data set :Dataset_MAIN/all_data_all_tracts.csv
Weights matrix :ALL_TRACTS_ALL_DATA.shp
Dependent Variable :log_median_rent Number

Number of Observations:

976

Number of Variables : Mean dependent var : 7.3692 15 S.D. dependent var : 0.3234 Pseudo R-squared : 0.2654 Degrees of Freedom : 961

Spatial Pseudo R-squared: 0.2545

Log likelihood : -134.469 Akaike info criterion : 298.938 Sigma-square ML : 0.077 S.E of regression : 0.277 Schwarz criterion : 372.190

Variable Coefficient Std.Error z-Statistic Probability CONSTANT 3.8294158 0.5033033 7.6085645 0.00000000
var_1 0.0362457 0.0101298 3.5781105 0.0003461
var_2 -0.0348262 0.0617239 -0.5642257 0.5726005
var_3 0.0442729 0.0118711 3.7294661 0.0001919
var_4 0.0026072 0.0008447 3.0866429 0.0020243
var_5 0.0064464 0.0045964 1.4025117 0.1607625
var_6 0.0035381 0.0013267 2.6668781 0.0076559
var_7 -0.0022065 0.0017898 -1.2328280 0.2176400
var_8 -0.0016694 0.0012336 -1.3533106 0.1759564
var_9 -0.0042117 0.0016928 -2.4880476 0.0128447
var_10 -0.0037872 0.0012315 -3.0753215 0.0021028
var_11 0.0071673 0.0057987 1.2360052 0.2164566
var_12 0.1720390 0.0366960 4.6882232 0.0000028
var_13 0.0005339 0.0005431 0.9830133 0.3256009
W_log_median_rent 0.1614750 0.0410543 3.9332053 0.0000838

```
y = log_median_house_price
Method = Spatial Lag Model -- Maximum Likelihood
```

REGRESSION

_ _ _ _ _ _ _ _ _ _ _

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)

Data set :Dataset_MAIN/all_data_all_tracts.csv
Weights matrix :ALL_TRACTS_ALL_DATA.shp
Dependent Variable :log_median_house_price

Number of

Observations: $97\overline{6}$ Mean dependent var : 13.2495 Number of Variables : 15 Degrees of Freedom : S.D. dependent var : 0.5693 961

Pseudo R-squared : 0.3055 Spatial Pseudo R-squared: 0.2972

Log likelihood : -659.375 Sigma-square ML : 0.225 S.E of regression : 0.474 Akaike info criterion : 1348.750 Schwarz criterion : 1422.002

		Variable	Coefficient	Std.Error	z-Statistic	Probability
_		CONSTANT var_1 var_2 var_3 var_4 var_5 var_6 var_7 var_8 var_9 var_10	12.8918365 0.0974922 -0.2822018 -0.1026354 0.0078408 -0.0108612 -0.0048104 -0.0008887 -0.0009280 -0.0129079 0.0028337	0.8829087 0.0173564 0.1057098 0.0203398 0.0014461 0.0078685 0.0022708 0.0030634 0.0021115 0.0028982 0.0021075	14.6015508 5.6170927 -2.6695896 -5.0460442 5.4219437 -1.3803395 -2.1183962 -0.2900949 -0.4395147 -4.4537085 1.3445840	0.0000000 0.0000000 0.0075944 0.0000005 0.0000001 0.1674821 0.0341415 0.7717437 0.6602887 0.0000084 0.1787596
		var_11	0.0137422	0.0099270	1.3843187	0.1662609
		var_12 var 13	-0.1612323 -0.0015498	0.0628065 0.0009298	-2.5671287 -1.6667315	0.0102545 0.0955678
W	log median		0.1682489	0.0397943	4.2279692	0.0555070

0.0000236

----------- END OF REPORT ------

```
Dataset = Dataset MAIN/all data all tracts.csv
Shapefile = Listings shp/MAIN CT All/ALL TRACTS ALL DATA.shp
Variable #1 :log BART dist
Variable #2 :coastal_tracts_dummy
Variable #3 :log_CBD_dist
Variable #4 :percent_bachelors_degree
Variable #5 :percent_unempl
Variable #6 :percent_foreign_born
Variable #7 :percent_bpl
Variable #8 :percent white
Variable #9 :percent african american or black
Variable #10 :percent hispanic
Variable #11 :percent other races
Variable #12 :log MHI
Variable #13 :percent_airbnb_active_rentals
y = rent_aff 1
Method = Spatial Lag Model -- Maximum Likelihood
REGRESSION
SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)
-----
976
                                                                Number of Observations:
Mean dependent var : 46.8731
S.D. dependent var : 13.9358
Pseudo R-squared : 0.3638
Spatial Pseudo R-squared: 0.3552
                                                                Number of Variables :
                                                                                                           15
                                                                Degrees of Freedom :
                                                                                                           961
Sigma-square ML : 123.436
S.E of regression : 11.110
                                                                Loa likelihood : -3736.352
                                                                 Akaike info criterion: 7502.704
                                                                 Schwarz criterion : 7575.956
Variable Coefficient Std.Error z-Statistic Probability
         CONSTANT 132.6151615 16.6192594 7.9796072 0.0000000 var_1 1.2937132 0.4061103 3.1856207 0.0014444 var_2 -6.3767348 2.4763745 -2.5750285 0.0100232 var_3 1.3494788 0.4713696 2.8628889 0.0041980 var_4 -0.1240877 0.0338292 -3.6680615 0.0002444 var_5 0.4056322 0.1845457 2.1980041 0.0279488 var_6 0.1704080 0.0531905 3.2037307 0.0013566 var_7 0.0136864 0.0718156 0.1905768 0.8488572 var_8 0.1035421 0.0494705 2.0930089 0.0363484 var_9 0.1656353 0.0678599 2.4408408 0.0146531 var_10 0.0109837 0.0493681 0.2224855 0.8239360 var_11 0.0173690 0.2325674 0.0746835 0.9404665 var_12 -9.9454638 1.4618076 -6.8035380 0.00000000 var_13 0.0376747 0.0179079 2.1037980 0.0353961 W_rent_aff_1 0.1218969 0.0396949 3.0708409 0.0021346
```

y = rent aff 2Method = Spatial Lag Model -- Maximum Likelihood

REGRESSION

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL) ______

Data set :Dataset_MAIN/all_data_all_tracts.csv
Weights matrix :ALL_TRACTS_ALL_DATA.shp

Dependent Variable : rent_aff 2 Number of Observations: 976 Mean dependent var : $2\overline{3}.18\overline{8}5$ Number of Variables : 15 S.D. dependent var : 10.8025 Degrees of Freedom : 961

Pseudo R-squared : 0.3114 Spatial Pseudo R-squared: 0.3093

Sigma-square ML : 80.274 S.E of regression : 8.960 Log likelihood : -3525.364 Akaike info criterion: 7080.728 Schwarz criterion : 7153.980

Variable	Coefficient	Std.Error	z-Statistic	Probability
Variable CONSTANT var_1 var_2 var_3 var_4 var_5 var_6 var_7 var_8 var_9 var_10	73.3467245 1.1806007 -4.3500549 0.1511884 -0.0598317 0.5770002 0.0756257 0.2191380 0.0406333 0.0243660 -0.0100918	Std.Error 13.3420118 0.3275670 1.9973745 0.3802559 0.0272640 0.1488233 0.0428933 0.0428933 0.0579108 0.0398944 0.0547067 0.0398120	z-Statistic 5.4974261 3.6041506 -2.1778864 0.3975965 -2.1945319 3.8770834 1.7631119 3.7840635 1.0185230 0.4453939 -0.2534854	Probability
var_11	-0.2509520	0.1875554	-1.3380149	0.1808916
var_6 var_7	0.2191380	0.0579108	3.7840635	0.0778816 0.0001543
var_11 var_12 var_13	-0.2509520 -5.6194580 0.0323493	0.1875554 1.1788675 0.0144411	-1.3380149 -4.7668275 2.2400889	0.1808916 0.0000019 0.0250852
W_rent_aff_2	0.0644450	0.0418057	1.5415357	0.1231865

y = rent aff 3Method = Spatial Lag Model -- Maximum Likelihood

REGRESSION

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL) ______

976 Number of Observations: Mean dependent var : 16.3257 S.D. dependent var : 7.7469 Pseudo R-squared : 0.3314 Number of Variables : 15 Degrees of Freedom : 961

Spatial Pseudo R-squared: 0.2733

Sigma-square ML : 40.150 S.E of regression : 6.336 Log likelihood : -3199.109 Akaike info criterion: 6428.218 Schwarz criterion : 6501.470

Variable Coefficient Std.Error z-Statistic Probability

CONSTANT -5.5804265 9.4073430 -0.5931990 0.5530480 var_1 0.5822075 0.2320624 2.5088401 0.0121128 var_2 0.9002801 1.4116832 0.6377352 0.5236460 var_3 -3.5108861 0.2716936 -12.9222250 0.00000000 var_4 -0.0566678 0.0192759 -2.9398253 0.0032840 var_5 -0.0135396 0.1052583 -0.1286320 0.8976489 var_6 0.0834689 0.0303434 2.7508137 0.0059447 var_7 -0.0094536 0.0409585 -0.2308093 0.8174629 var_8 -0.0139283 0.0282172 -0.4936100 0.6215817 var_9 -0.1235136 0.0387220 -3.1897499 0.0014240 var_10 -0.0102798 0.0281564 -0.3650946 0.7150408 var_11 0.1111168 0.1326966 0.8373747 0.4023820 var_12 2.9620401 0.8336436 3.5531251 0.0003807 var_13 0.0038855 0.0102132 0.3804406 0.7036184 W_rent_aff_3 0.3469018 0.0361050 9.6081439 0.0000000

y = log median rentMethod = Spatial Lag Model -- Maximum Likelihood

REGRESSION

_ _ _ _ _ _ _ _ _ _ _

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)

Data set :Dataset_MAIN/all_data_all_tracts.csv Weights matrix :ALL_TRACTS_ALL_DATA.shp

Dependent Variable :log_median_rent Number of Observations:

Number of Variables : Mean dependent var : 7.3692 15 S.D. dependent var : 0.3234 Degrees of Freedom : 961 Pseudo R-squared : 0.2648

Spatial Pseudo R-squared: 0.2539

Log likelihood : -134.893 Akaike info criterion : 299.785 Schwarz criterion : 373.037 Sigma-square ML : 0.077 S.E of regression : 0.277

 Variable	Coefficient	Std.Error	z-Statistic	Probability
CONSTANT	3.7971964 0.0362000 -0.0354725 0.0417078 0.0025613 0.0065995 0.0035168 -0.0021881 -0.0016562 -0.0042115 -0.0037652 0.0070719 0.1761791 0.0001534 0.1618176	0.5025682 0.0101351 0.0617493 0.0117618 0.0008437 0.0046032 0.0013272 0.0017916 0.0012341 0.0016936 0.0012319 0.0058007 0.0364617 0.0004467 0.0410504	7.5555841 3.5717564 -0.5744606 3.5460327 3.0358202 1.4336651 2.6498026 -1.2213318 -1.3419815 -2.4867363 -3.0565399 1.2191500 4.8318908 0.3434976 3.9419288	0.0000000 0.0003546 0.5656562 0.0003911 0.0023988 0.1516679 0.0080539 0.2219604 0.1796020 0.0128921 0.0022391 0.2227873 0.0000014 0.7312241 0.0000808

```
y = log median house price
Method = Spatial Lag Model -- Maximum Likelihood
```

REGRESSION

_ _ _ _ _ _ _ _ _ _ _

SUMMARY OF OUTPUT: MAXIMUM LIKELIHOOD SPATIAL LAG (METHOD = FULL)

Data set :Dataset_MAIN/all_data_all_tracts.csv
Weights matrix :ALL_TRACTS_ALL_DATA.shp
Dependent Variable :log_median_house_price Number of

Observations: 976
Mean dependent var : 13.2495 Number of Variables : Degrees of Freedom : 15 961

S.D. dependent var : 0.5693 Pseudo R-squared : 0.3040 Spatial Pseudo R-squared: 0.2958

Log likelihood : -660.426 Akaike info criterion : 1350.851 Sigma-square ML : 0.225 S.E of regression : 0.475 Schwarz criterion : 1424.103

Variable	Coefficient	Std.Error	z-Statistic	Probability
CONSTANT	12.9666332	0.8817070	14.7062836	0.0000000
var 1	0.0976611	0.0173765	5.6202887	0.0000000
var ⁻ 2	-0.2805789	0.1058200	-2.6514721	0.0080142
var_3	-0.0966030	0.0201636	-4.7909710	0.0000017
var 4	0.0079583	0.0014453	5.5061672	0.0000000
var 5	-0.0111647	0.0078853	-1.4158919	0.1568072
var 6	-0.0047631	0.0022731	-2.0954742	0.0361289
var 7	-0.0009685	0.0030686	-0.3156055	0.7523019
var_8	-0.0009586	0.0021138	-0.4534936	0.6501934
var 9	-0.0129000	0.0029012	-4.4464666	0.0000087
var $\overline{1}$ 0	0.0027790	0.0021094	1.3174140	0.1876999
var_11	0.0139760	0.0099368	1.4064923	0.1595780
var [_] 12	-0.1719447	0.0624460	-2.7534945	0.0058963
var 13	-0.0006279	0.0007651	-0.8206669	0.4118361
W log modian house price	0 1606026	0 0200121	/ 2272100	

W_log_median_house_price 0.1686926 0.0398121 4.2372189

0.0000226