Database: Dataset_MAIN/Longitudinal Analysis Dataset/Panel_Data.csv

Formula:
        rent_aff_1 ~ percent_airbnb_all_rentals
                    + percent_bachelors_degree
                    + percent_unempl
                    + percent_foreign_born
                    + percent_bpl
                    + percent_white
                    + percent_african_american_or_black
                    + percent_asian
                    + percent_other_races
                    + log_MHI

Groups: Census_Tract


```
                        Mixed Linear Model Regression Results
========================================================================
Model:                  MixedLM     Dependent Variable:        rent_aff_1
No. Observations:       784         Method:                    REML
No. Groups:             196         Scale:                     50.2521
Min. group size:        4           Likelihood:                -2820.0754
Max. group size:        4           Converged:                 Yes
Mean group size:        4.0
------------------------------------------------------------------------
                                    Coef.  Std.Err.    z    P>|z| [0.025 0.975]
------------------------------------------------------------------------
Intercept                           48.429   7.493   6.463 0.000 33.743 63.116
percent_airbnb_all_rentals           0.271   0.029   9.500 0.000  0.215  0.327
percent_bachelors_degree            -0.070   0.059  -1.195 0.232 -0.185  0.045
percent_unempl                      -0.302   0.151  -1.994 0.046 -0.599 -0.005
percent_foreign_born                 0.518   0.076   6.822 0.000  0.369  0.667
percent_bpl                         -0.255   0.061  -4.187 0.000 -0.374 -0.136
percent_white                       -0.430   0.081  -5.318 0.000 -0.588 -0.271
percent_african_american_or_black   -0.195   0.094  -2.080 0.038 -0.379 -0.011
percent_asian                       -0.558   0.078  -7.128 0.000 -0.712 -0.405
percent_other_races                 -0.793   0.066 -12.050 0.000 -0.922 -0.664
log_MHI                              1.310   0.596   2.199 0.028  0.142  2.477
groups RE                           51.887   1.258
========================================================================
```

```
Formula:
        rent_aff_2 ~ percent_airbnb_all_rentals
                    + percent_bachelors_degree
                    + percent_unempl
                    + percent_foreign_born
                    + percent_bpl
                    + percent_white
                    + percent_african_american_or_black
                    + percent_asian
                    + percent_other_races
                    + log_MHI

Groups: Census_Tract
```

```
                 Mixed Linear Model Regression Results
========================================================================
Model:                MixedLM     Dependent Variable:      rent_aff_2
No. Observations:     784         Method:                  REML
No. Groups:           196         Scale:                   11.5274
Min. group size:      4           Likelihood:              -2379.6558
Max. group size:      4           Converged:               Yes
Mean group size:      4.0
------------------------------------------------------------------------
                                 Coef.  Std.Err.   z    P>|z| [0.025 0.975]
------------------------------------------------------------------------
Intercept                        20.700    4.876  4.245 0.000 11.143 30.257
percent_airbnb_all_rentals        0.005    0.014  0.332 0.740 -0.023  0.032
percent_bachelors_degree         -0.192    0.036 -5.364 0.000 -0.262 -0.122
percent_unempl                    0.141    0.082  1.718 0.086 -0.020  0.301
percent_foreign_born              0.037    0.051  0.729 0.466 -0.062  0.136
percent_bpl                       0.146    0.032  4.534 0.000  0.083  0.209
percent_white                     0.090    0.047  1.935 0.053 -0.001  0.182
percent_african_american_or_black -0.023   0.064 -0.358 0.720 -0.148  0.102
percent_asian                     0.124    0.050  2.470 0.013  0.026  0.222
percent_other_races              -0.042    0.033 -1.281 0.200 -0.107  0.022
log_MHI                          -0.052    0.308 -0.168 0.867 -0.655  0.551
groups RE                        53.927    2.069
========================================================================
```

Formula:
```
        log_median_rent ~ percent_airbnb_all_rentals
                        + percent_bachelors_degree
                        + percent_unempl
                        + percent_foreign_born
                        + percent_bpl
                        + percent_white
                        + percent_african_american_or_black
                        + percent_asian + percent_other_races + log_MHI
```
Groups: Census_Tract

```
                  Mixed Linear Model Regression Results
========================================================================
Model:              MixedLM    Dependent Variable:     log_median_rent
No. Observations:   784        Method:                 REML
No. Groups:         196        Scale:                  0.0385
Min. group size:    4          Likelihood:             -46.9406
Max. group size:    4          Converged:              Yes
Mean group size:    4.0
------------------------------------------------------------------------
                                 Coef.  Std.Err.   z    P>|z| [0.025 0.975]
------------------------------------------------------------------------
Intercept                        6.742   0.193 34.982 0.000  6.364   7.120
percent_airbnb_all_rentals       0.000   0.001  0.602 0.547 -0.001   0.002
percent_bachelors_degree         0.003   0.002  1.851 0.064 -0.000   0.006
percent_unempl                   0.011   0.004  2.515 0.012  0.002   0.019
percent_foreign_born            -0.009   0.002 -4.238 0.000 -0.013  -0.005
percent_bpl                     -0.006   0.002 -3.481 0.000 -0.009  -0.002
percent_white                   -0.001   0.002 -0.611 0.541 -0.006   0.003
percent_african_american_or_black -0.010 0.003 -3.859 0.000 -0.015  -0.005
percent_asian                    0.001   0.002  0.425 0.671 -0.003   0.005
percent_other_races              0.001   0.002  0.522 0.601 -0.003   0.004
log_MHI                          0.071   0.016  4.326 0.000  0.039   0.104
groups RE                        0.039   0.031
========================================================================
```

Formula:
```
        log_median_house_price ~ percent_airbnb_all_rentals
                                + percent_bachelors_degree
                                + percent_unempl
                                + percent_foreign_born
                                + percent_bpl
                                + percent_white
                                + percent_african_american_or_black
                                + percent_asian
                                + percent_other_races
                                + log_MHI
```

Groups: Census_Tract

Mixed Linear Model Regression Results

```
==============================================================================
Model:               MixedLM   Dependent Variable:   log_median_house_price
No. Observations:    784       Method:               REML
No. Groups:          196       Scale:                0.0824
Min. group size:     4         Likelihood:           -281.1414
Max. group size:     4         Converged:            Yes
Mean group size:     4.0
------------------------------------------------------------------------------
                                Coef.  Std.Err.   z    P>|z| [0.025 0.975]
------------------------------------------------------------------------------
Intercept                       13.538  0.227 59.522 0.000 13.093 13.984
percent_airbnb_all_rentals      -0.002  0.001 -1.929 0.054 -0.004  0.000
percent_bachelors_degree        -0.000  0.002 -0.205 0.837 -0.004  0.003
percent_unempl                  -0.003  0.006 -0.574 0.566 -0.014  0.008
percent_foreign_born            -0.001  0.002 -0.426 0.670 -0.006  0.004
percent_bpl                      0.003  0.002  1.567 0.117 -0.001  0.007
percent_white                    0.004  0.003  1.288 0.198 -0.002  0.009
percent_african_american_or_black -0.011 0.003 -3.470 0.001 -0.017 -0.005
percent_asian                   -0.002  0.003 -0.735 0.462 -0.007  0.003
percent_other_races             -0.005  0.003 -2.060 0.039 -0.010 -0.000
log_MHI                         -0.000  0.022 -0.005 0.996 -0.043  0.043
groups RE                        0.035  0.023
==============================================================================
```

```
Formula:
        rent_aff_1 ~ percent_airbnb_active_rentals
                    + percent_bachelors_degree
                    + percent_unempl
                    + percent_foreign_born
                    + percent_bpl
                    + percent_white
                    + percent_african_american_or_black
                    + percent_asian
                    + percent_other_races
                    + log_MHI

Groups: Census_Tract
```

```
                    Mixed Linear Model Regression Results
==============================================================================
Model:                 MixedLM      Dependent Variable:        rent_aff_1
No. Observations:      784          Method:                    REML
No. Groups:            196          Scale:                     49.2321
Min. group size:       4            Likelihood:                -2812.1977
Max. group size:       4            Converged:                 Yes
Mean group size:       4.0
------------------------------------------------------------------------------
                                   Coef.  Std.Err.    z    P>|z| [0.025 0.975]
------------------------------------------------------------------------------
Intercept                          47.285   7.406   6.384 0.000 32.769 61.801
percent_airbnb_active_rentals       0.238   0.023  10.387 0.000  0.193  0.283
percent_bachelors_degree           -0.069   0.058  -1.181 0.238 -0.182  0.045
percent_unempl                     -0.327   0.150  -2.179 0.029 -0.620 -0.033
percent_foreign_born                0.504   0.075   6.696 0.000  0.356  0.651
percent_bpl                        -0.219   0.060  -3.659 0.000 -0.336 -0.102
percent_white                      -0.432   0.079  -5.442 0.000 -0.588 -0.277
percent_african_american_or_black  -0.202   0.092  -2.184 0.029 -0.383 -0.021
percent_asian                      -0.553   0.077  -7.185 0.000 -0.703 -0.402
percent_other_races                -0.787   0.064 -12.355 0.000 -0.912 -0.662
log_MHI                             1.407   0.588   2.390 0.017  0.253  2.560
groups RE                          50.728   1.228
==============================================================================
```

Formula:
        rent_aff_2 ~ percent_airbnb_active_rentals
                    + percent_bachelors_degree
                    + percent_unempl
                    + percent_foreign_born
                    + percent_bpl
                    + percent_white
                    + percent_african_american_or_black
                    + percent_asian
                    + percent_other_races
                    + log_MHI

Groups: Census_Tract

                      Mixed Linear Model Regression Results
===
Model: MixedLM   Dependent Variable: rent_aff_2
No. Observations: 784   Method: REML
No. Groups: 196   Scale: 11.5281
Min. group size: 4   Likelihood: -2379.8944
Max. group size: 4   Converged: Yes
Mean group size: 4.0

                                   Coef. Std.Err.   z   P>|z| [0.025 0.975]

Intercept   20.797   4.881 4.261 0.000 11.230 30.364
percent_airbnb_active_rentals   0.002   0.011 0.217 0.828 -0.020 0.025
percent_bachelors_degree   -0.191   0.036 -5.359 0.000 -0.261 -0.121
percent_unempl   0.140   0.082 1.716 0.086 -0.020 0.301
percent_foreign_born   0.037   0.051 0.732 0.464 -0.062 0.136
percent_bpl   0.146   0.032 4.524 0.000 0.083 0.210
percent_white   0.089   0.047 1.910 0.056 -0.002 0.180
percent_african_american_or_black -0.024   0.064 -0.378 0.706 -0.149 0.101
percent_asian   0.122   0.050 2.443 0.015 0.024 0.220
percent_other_races   -0.045   0.032 -1.402 0.161 -0.108 0.018
log_MHI   -0.048   0.307 -0.155 0.877 -0.650 0.555
groups RE   53.935   2.071
===

```
Formula:
        log_median_rent ~ percent_airbnb_active_rentals
                        + percent_bachelors_degree
                        + percent_unempl
                        + percent_foreign_born
                        + percent_bpl
                        + percent_white
                        + percent_african_american_or_black
                        + percent_asian
                        + percent_other_races
                        + log_MHI

Groups: Census_Tract
```

```
                  Mixed Linear Model Regression Results
========================================================================
Model:              MixedLM     Dependent Variable:     log_median_rent
No. Observations:   784         Method:                 REML
No. Groups:         196         Scale:                  0.0386
Min. group size:    4           Likelihood:             -47.3143
Max. group size:    4           Converged:              Yes
Mean group size:    4.0
------------------------------------------------------------------------
                                 Coef.  Std.Err.   z    P>|z| [0.025 0.975]
------------------------------------------------------------------------
Intercept                        6.754   0.193 35.014 0.000  6.375  7.132
percent_airbnb_active_rentals    0.000   0.001  0.178 0.859 -0.001  0.001
percent_bachelors_degree         0.003   0.002  1.853 0.064 -0.000  0.006
percent_unempl                   0.011   0.004  2.524 0.012  0.002  0.019
percent_foreign_born            -0.009   0.002 -4.193 0.000 -0.013 -0.005
percent_bpl                     -0.006   0.002 -3.471 0.001 -0.009 -0.002
percent_white                   -0.002   0.002 -0.724 0.469 -0.006  0.003
percent_african_american_or_black -0.010 0.003 -3.952 0.000 -0.015 -0.005
percent_asian                    0.001   0.002  0.285 0.776 -0.003  0.005
percent_other_races              0.000   0.002  0.261 0.794 -0.003  0.004
log_MHI                          0.072   0.016  4.412 0.000  0.040  0.105
groups RE                        0.039   0.031
========================================================================
```

Formula:
```
        log_median_house_price ~ percent_airbnb_active_rentals
                                + percent_bachelors_degree
                                + percent_unempl
                                + percent_foreign_born
                                + percent_bpl
                                + percent_white
                                + percent_african_american_or_black
                                + percent_asian
                                + percent_other_races
                                + log_MHI
```

Groups: Census_Tract

Mixed Linear Model Regression Results

Model:	MixedLM	Dependent Variable:	log_median_house_price
No. Observations:	784	Method:	REML
No. Groups:	196	Scale:	0.0825
Min. group size:	4	Likelihood:	-281.8327
Max. group size:	4	Converged:	Yes
Mean group size:	4.0		

	Coef.	Std.Err.	z	P>|z|	[0.025	0.975]
Intercept	13.534	0.228	59.452	0.000	13.088	13.980
percent_airbnb_active_rentals	-0.001	0.001	-1.659	0.097	-0.003	0.000
percent_bachelors_degree	-0.000	0.002	-0.197	0.844	-0.004	0.003
percent_unempl	-0.003	0.006	-0.555	0.579	-0.014	0.008
percent_foreign_born	-0.001	0.002	-0.441	0.659	-0.006	0.004
percent_bpl	0.003	0.002	1.493	0.136	-0.001	0.007
percent_white	0.004	0.003	1.406	0.160	-0.002	0.009
percent_african_american_or_black	-0.010	0.003	-3.390	0.001	-0.016	-0.004
percent_asian	-0.002	0.003	-0.602	0.547	-0.007	0.003
percent_other_races	-0.005	0.002	-1.876	0.061	-0.009	0.000
log_MHI	-0.003	0.022	-0.123	0.902	-0.046	0.040
groups RE	0.035	0.023				