Codebook for Replication File: "The Supply–Equity Trade-off: The Effect of Spatial Representation on the Local Housing Supply"

1 Dataset: *housing_agg.csv*

1. **location** city name
2. **GEO_id** 6-digit Census place ID
3. **year** year (2010-2019)
4. **treat** binary indicator for treatment status
   1 = district elections in place
   0 = at-large elections in place
5. **switcher** binary indicator for cities that ever switched from at-large to district elections over the study period
   1 = ever switched over the period
   0 = never switched over the period
6. **switcher2** binary indicator for cities that ever switched from at-large to district elections over the study period, *and* belong to causally identified subgroup (see paper for details)
   1 = ever switched over the period and belong to causally identified subgroup
   0 = do not satisfy both of the above conditions
7. **year_switch** year of first district election for cities that switched from at-large to district over the panel (NA for all other cities)
8. **multi** number of new multifamily housing units permitted in city/year
9. **single** number of new single-family housing units permitted in city/year
10. **l.multi** log (number of new multifamily housing units permitted in city/year + 1)
11. **l.single** log (number of new multifamily housing units permitted in city/year + 1)
12. **l.total** log (number of all new housing units permitted in city/year + 1)

13. **pct_asian** percent of city population that is Asian
14. **pct_black** percent of city population that is Black
15. **pct_hisp** percent of city population that is Hispanic
16. **pct_wnh** percent of city population that is White, non-Hispanic
17. **max.group** council-dominant majority group (see definition in paper)
    "asian" = Asian
    "black" = Black
    "hisp" = Hispanic
    "white" = White, non-Hispanic
    "none" = no council-dominant majority group based on our definition
    NA = missing data
18. **min.group** most underrepresented minority group (see definition in paper)
    "asian" = Asian
    "black" = Black
    "hisp" = Hispanic
    "white" = White, non-Hispanic
    "none" = no underrepresented minority group based on our definition
    NA = missing data
19. **prop_asian_elected_past12** proportion of council members elected over past 12 years that is Asian
20. **prop_black_elected_past12** proportion of council members elected over past 12 years that is Black
21. **prop_latino_elected_past12** proportion of council members elected over past 12 years that is Latino
22. **prop_white_elected_past12** proportion of council members elected over past 12 years that is White, non-Hispanic
23. **prop_min_elected_past12** proportion of council members elected over past 12 years that belongs to most underrepresented minority group (**min.group** variable above)
24. **H_citytract_NHW** Theil index of city segregation (from Trounstine 2016)
25. **population.th** population (thousands)
26. **own_rate** home ownership rate
27. **vacancy_rate** vacancy rate
28. **med_value.th** median home value (thousands of dollars)
29. **med_income.th** median income (thousands of dollars)
30. **density** density (population per square mile)

2 Dataset: *housing_spatial.csv*

1. **city** city name
2. **geoid** 11-digit Census block ID
3. **year** year (2011-2018)
4. **treat** binary indicator for treatment status
   1 = district elections in place
   0 = at-large elections in place
5. **switcher** binary indicator for cities that ever switched from at-large to district elections over the study period
   1 = ever switched over the period
   0 = never switched over the period
6. **nunits_multi_z** number of multifamily housing units approved in projects and rezonings in block/year
7. **nunits_single_z** number of single-family housing units approved in projects and rezonings in block/year
8. **nunits_total_z** number of all housing units approved in projects and rezonings in block/year
9. **pct_black** proportion of block population that is Black
10. **pct_hisp** proportion of block population that is Hispanic
11. **pct_nlw** proportion of block population that is White, non-Hispanic
12. **n_households** number of households in block
13. **own_rate** home ownership rate
14. **vacancy_rate** vacancy rate
15. **med_value** median home value
16. **med_value_imp** median home value (missing values imputed)
17. **med_income** median income
18. **med_income_imp** median income (missing values imputed)