Analyses of neighborhoods or blocks

Levels of disadvantage across communities on local crime rates.

Structural conditions that distinguish local areas

* Examining poverty, disadvantage, and crime in a city where extreme community poverty and disadvantage are not synonymous with black neighborhoods
* Structural conditions: extreme neighborhood poverty & inequality
* Studying a city with relatively high prevalence of black and white disadvantage
* Census tracts for one year
* Includes 177 tracts with at least 700 persons within the city
* Neighborhood poverty levels into low and extreme- 54 census tracts have high poverty
* 26 tracts are at least 70% black and 122 ae at least 70% white
  + identical

Sample and Data

* Main concern in this analysis is with neighborhood disadvantage and crime
* IV-
  + Units measured are census tracts and community area
  + Divide community areas into Predominantly white and predominantly black (predominant = at least 70%)
  + Categorize community areas into low, high, and extreme poverty levels (using hardship index?)
  + We need extreme

Formula:

Y = a1X1 + a2X2 + a3X3 + e

Details:

Y – crime rate

1. crime count [gun violence]/population in one community area
2. crime count [non-gun violence]/population in one community area

Community area is determined by “Race”

“Race” – counts of black/white/non-b\_or\_w/total population

X1 – hardship index

X2 – economics

Xa – Percent of crowded housing

Xb – Percent of households below poverty

Xc – Unemployment rate, 16+

Xd – Per capita income

Xe – Mean household income

Xf – Mean family income

X3 – education

Xg – Percent aged 25+ without a high school diploma

Xh – Percent aged 25+ less then 9th grade

Xi – Percent aged 25+ between 9th and 12nd grade without a high school diploma

Xj – Percent aged 18-25 without a high school diploma

Y1 = a1X1

See if socioeconomic status influence crime rate at all. If significant, then unpack into two categories – economics/education

Y1 = a2X2

Y1 = a3X3

Run the same regression using Y2