What is the effect of a Boston census tract's median age on the number of crashes per square kilometer that occur there, after accounting for the effects of poverty and population density?

1. My unit of analysis is a census tract.

2. My sample size is 206 census tracts.

3. My population of interest is all possible census tracts that could ever exist in any hypothetical current or future world.

4. All existing Boston census tracts with more than zero households are included in my sample.

5. My outcome variable is the number of crashes recorded in each census tract between January 1, 2015 and September 30, 2022, divided by the area (square kilometers) of land within the census tract.

6. My continuous variables are:
    a. Crashes per square kilometer: The number of crashes recorded in each census tract between January 1, 2015 and September 30, 2022, divided by the area (square kilometers) of land within the census tract.
    b. Median age: The median age of census tract residents.
    c. Population density: The number of residents per square kilometer of land area in each census tract.

7. My categorical variable indicates whether the majority of households in the census tracts have incomes below the poverty level.

8. Data are compiled from the following sources:

    Vision Zero Boston (https://data.boston.gov/dataset/vision-zero-crash-records)
    Walker K (2022). _tigris: Load Census TIGER/Line Shapefiles_. R package version 1.6.1, <https://CRAN.R-project.org/package=tigris>.
    Walker K, Herman M (2022). _tidycensus: Load US Census Boundary and Attribute Data as 'tidyverse' and 'sf'-Ready Data Frames_. R package version 1.2.3, <https://CRAN.R-project.org/package=tidycensus>.