# Untitled

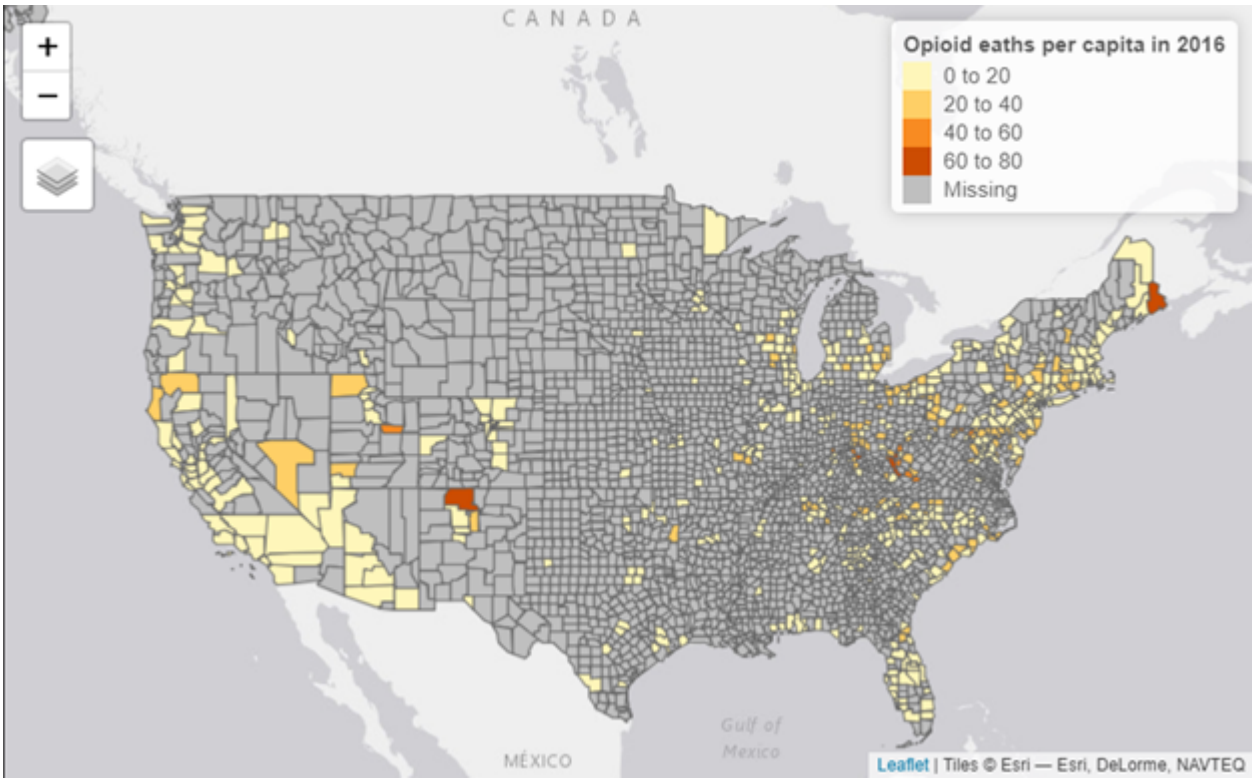
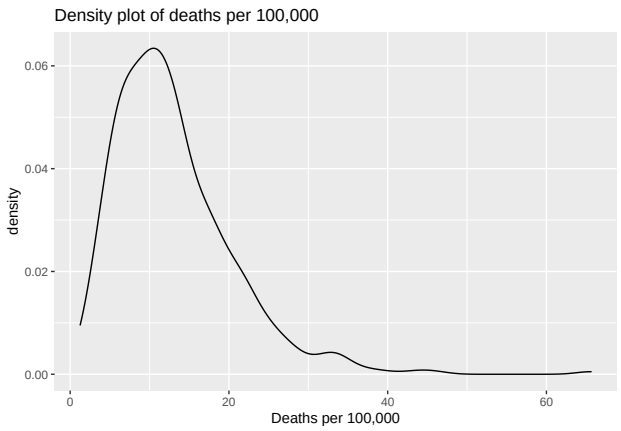
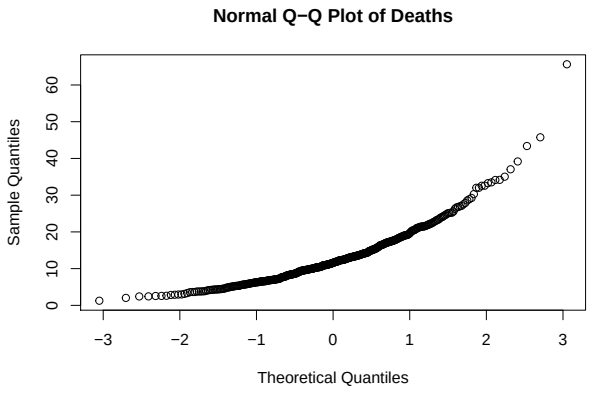
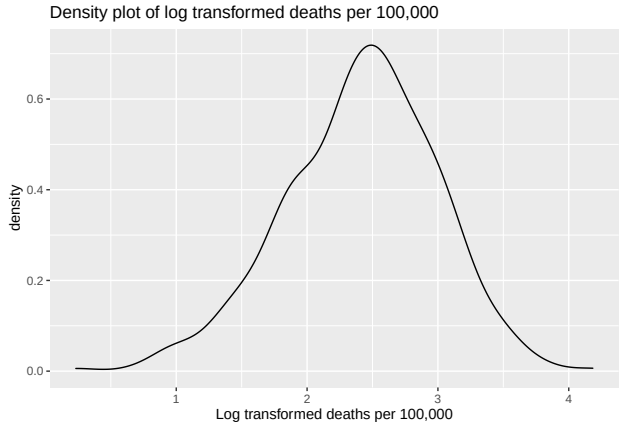



Figure 1: Screenshot of Leaflet map of opioid deaths per capita in 2016





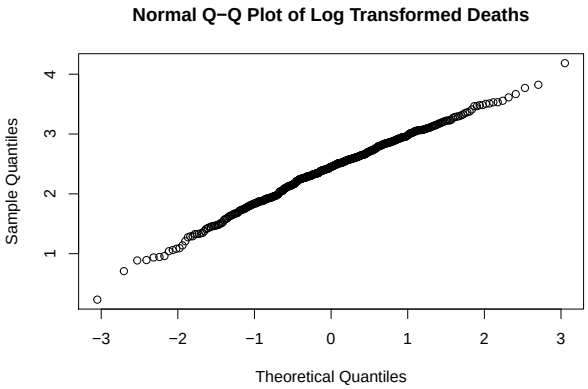




Table 1: Backwords Elimination Process

| Model | Adjusted R Squared | Variable with Highest P Value | Highest P Value in the Model |
|---|---|---|---|
| full | 0.2657630 | PopDensity | 0.95600 |
| Partial model 1 | 0.2674693 | Population | 0.91510 |
| Partial model 2 | 0.2691534 | Unemployment | 0.31540 |
| Partial model 3 | 0.2691359 | GDP | 0.01349 |

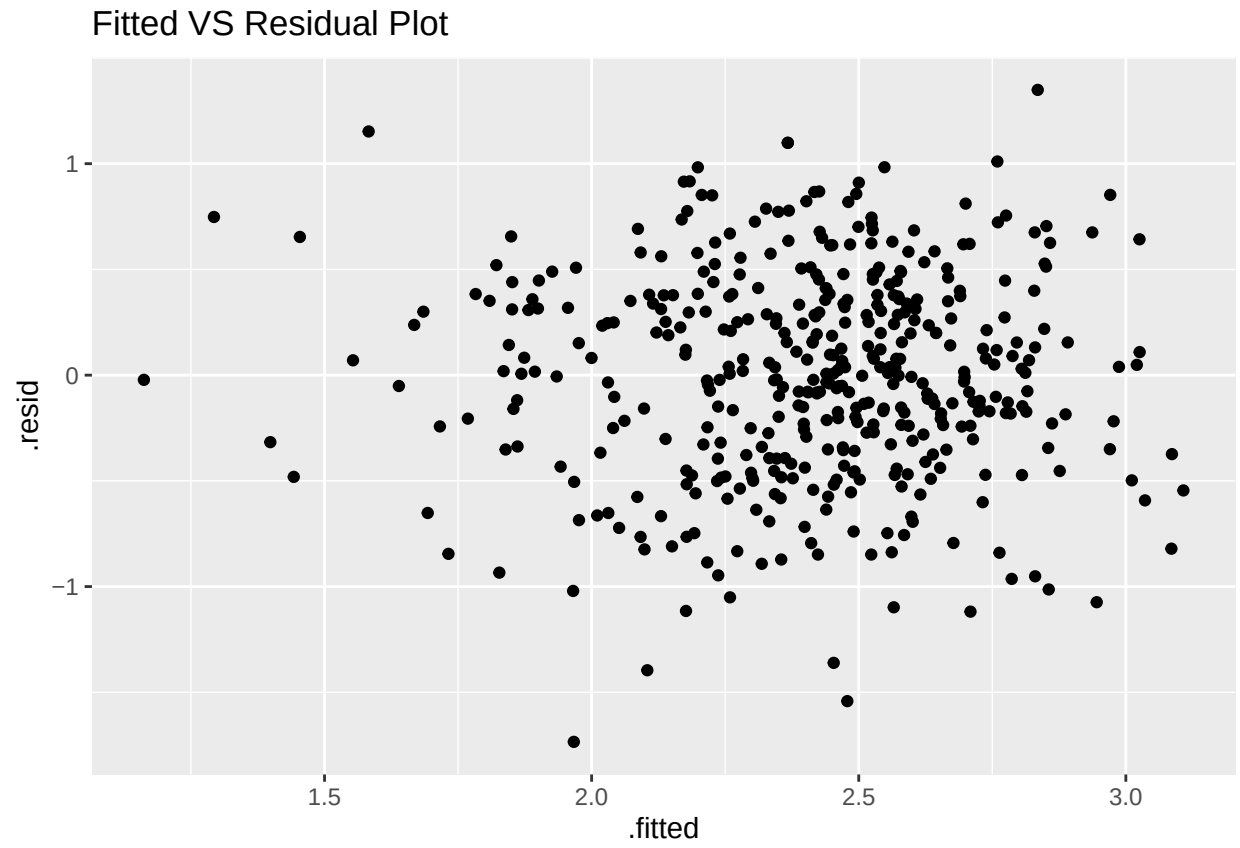



FIG 7 this should go in the exact spot I mention it in the paper DELETE THIS LINE SO ITS NOT IN THE FINAL THING

$$log(Y) = .8872 + 2.023x_1 + 2.411x_2 + .8.969 * 10^{-6}x_3 - 5.171x_4 - 3.741 * 10^{-3}x_5 + 3.617 * 10^{-2}x_6$$

where

$Y$ = The number of opioid deaths per 100,000 in a given county

$x_1$ = Proportion of county that uses social transportation

$x_2$ = Proportion highest educational attainment is high school or less

$x_3$ = Income

$x_4$ = Proportion of citizens in a county no born in the U.S.

$x_5$ = GDP per capita

$x_6$ = EHSA GDP per capita