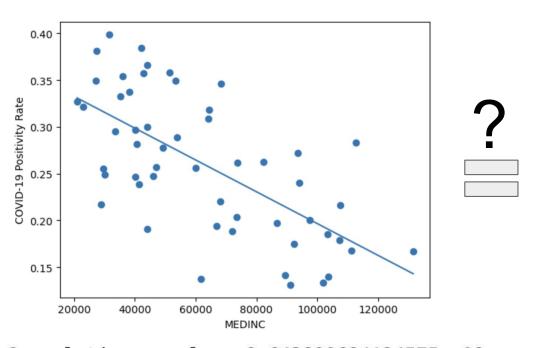
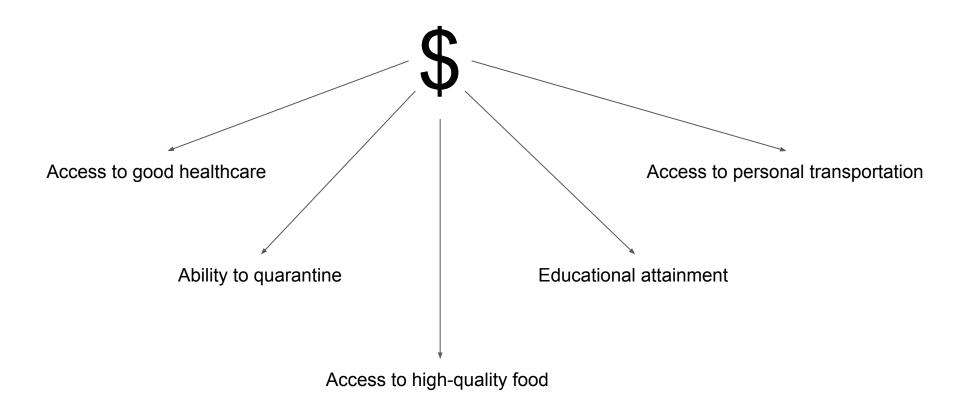


Correlation p-value: 8.643899684124575e-08



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# Median Income is a "Proxy" Variable

 Sometimes good: can be used in the place of a variable that you cannot measure

 Sometimes bad: hides the true causal factors, can be used to generalize and promote stereotypes

## Which are the proxy variables?

| Po | pu | lati | or |
|----|----|------|----|
|    |    |      |    |

POP: Total population

P0\_44: Number of people ages 0 to 44

P45\_64: Number of people ages 45 to 64:

P65\_: Number of people ages 65 and older

#### Socio-economic status

MEDINC: Median household income

PERNOINS: Percent without health insurance

## Racial/Ethnic neighbourhood types

PERBLK: Percent of population that is Black

PERHISP: Percent of population that is Hispanic

PERW: Percent of population that is White

PERASN: Percent of population that is Asian

## Occupations

PER0FFTC : Percent office and telecommute workers

PERHSRV : Percent healthcare service workers

PERPSRV : Percent public service workers

PERF00D: Percent food service workers

PERCLEAN: Percent cleaning service workers

## How people get to work

PERAUT0 : Percent personal automobile commuters

PERTRAN : Percent public transportation commuters

PERPEDB: Percent pedestrian and bike commuters

PERTELE: Percent telecommuters (work from home)

### **Built environments**

FDTRTPER: Percent food desert tracts

WS\_5 : Hospital accessibility score (lower score = hospitals are farther away)

POPDENS: Population density (per square meter)

PERCROWD: Percent housing units w/ > 1 person per room

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## In your groups...

1. Develop proposed explanation for the question:

## "Why has Covid affected some communities more than others?"

2. Choose one explanatory variable that will help you test your proposed explanation.