

PM566 Final Project

Kim S

This is my PM566 Final Project website.

[Link to my pdf](#)

Lab setup

```
source("process_COVID_data.R")
p1_scatter <- cv_states_today %>%
  plot_ly(x = ~pop_density, y = ~deathspers100k,
    type = 'scatter', mode = 'markers', color = ~state,
    size = ~population, sizes = c(5, 70), marker = list(sizemode='diameter', opacity=0.5),
    hoverinfo = 'text',
    text = ~paste( paste(state, ":", sep=""), paste(" Cases per 100k: ", per100k, sep="") , paste
      deathspers100k, sep=""), sep = "<br>")) %>%
  layout(title = "Population-normalized COVID-19 deaths vs. population density",
    yaxis = list(title = "Deaths per 100k"), xaxis = list(title = "Population Density"),
    hovermode = "compare")

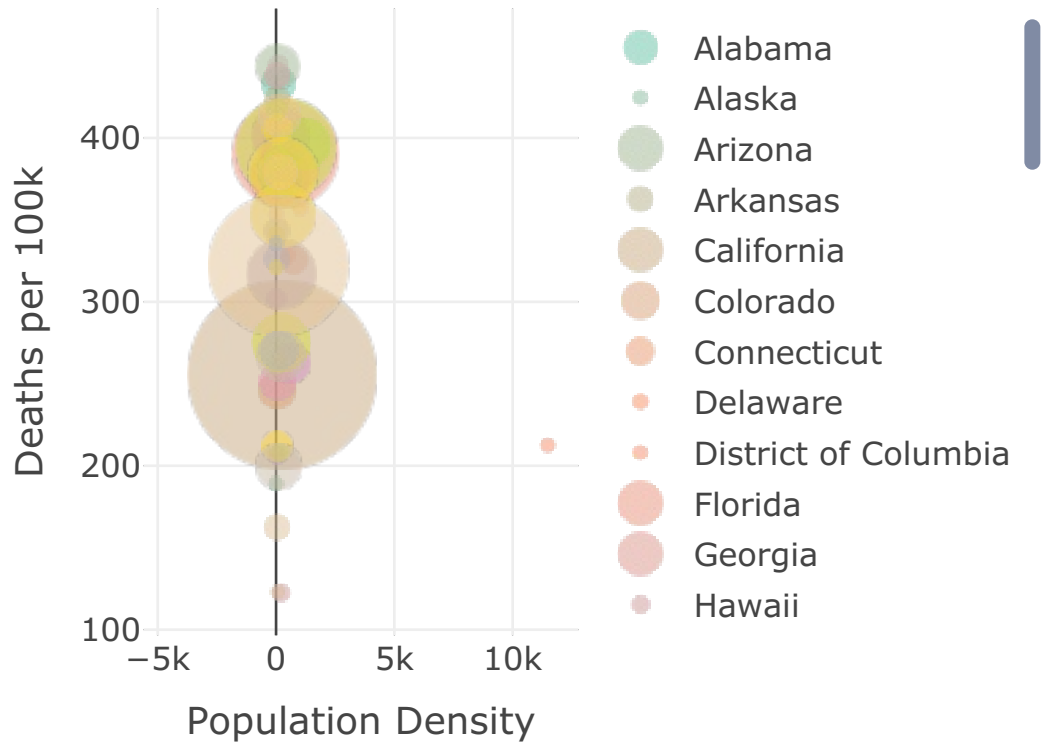
# filter out "District of Columbia"
cv_states_today_scatter <- cv_states_today %>% filter(state!="District of Columbia")

p2_scatter <- cv_states_today_scatter %>%
  plot_ly(x = ~pop_density, y = ~deathspers100k,
    type = 'scatter', mode = 'markers', color = ~state,
    size = ~population, sizes = c(5, 70), marker = list(sizemode='diameter', opacity=0.5),
    hoverinfo = 'text',
    text = ~paste( paste(state, ":", sep=""), paste(" Cases per 100k: ", per100k, sep="") , paste
      deathspers100k, sep=""), sep = "<br>")) %>%
  layout(title = "Population-normalized COVID-19 deaths vs. population density",
    yaxis = list(title = "Deaths per 100k"), xaxis = list(title = "Population Density"),
    hovermode = "compare")
```

Showcasing plots

Tab 1

on-normalized COVID-19 deaths vs. population



Tab 2

on-normalized COVID-19 deaths vs. population

