

Mass Incarceration

A Machine Learning Project by April Prospero Phil Quintanilla

1. *Project Description/Outline:*

- a. Visualizing trends in mass incarceration between federal and state, gender, and race from 2004 to 2014.
- b.
- c. Predicting future trends using machine learning
- d.

2. Questions

- a. Are there more men in prison than women?
- b. What kind of charges are men sent to prison for, and are they different from the crimes women are charged for?
- c. What is the racial spread of prison inmates?
- d. Is there a correlation between race and type of offense?

3. Datasets to be used

- a. <https://www.bjs.gov/index.cfm?ty=pbdetail&iid=5387>
- b.
- c. https://www.kaggle.com/christophercorrea/prisoners-and-crime-in-united-states?select=ucr_by_state.csv
- d. https://www.kaggle.com/christophercorrea/prisoners-and-crime-in-united-states?select=ucr_by_state.csv
- e. <https://github.com/vera-institute/incarceration-trends>
- f. <https://www.prisonpolicy.org/data/>

4. Tools to be used

- a. D3
- b. Leaflet
- c. Machine learning
- d. Pandas
- e. Html/css/bootstrap

5. Breakdown of tasks

- a. Together we will clean the data and prep for loading
- b. April will focus on Javascript/html/Leaflet
- c. Phil will focus on Machine learning