* + **Project Title**

The Effect of Opioid Prescription Rate on Overdose Deaths

* + **Team Members**

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* + **Project Description/Outline**

By taking a look at a set of data showing the prescription rate of opiods by a large selection of doctors and their locations, and matching that up with the locations and rates of overdose deaths , we hope to see the correlations between prescription rates of opioids and the effects of opioid proliferation.

* + **Research Questions to Answer**

1. Does the amount of opiates prescribed have a direct correlation to the amount of drug overdoses by state? We believe legal prescription of drugs have a direct correlation with OD death.

2. Is there a correlation between highest opioid prescribers and ratings? Potential of monetary incentives with prescribers?

3. potential correlation with crime? pg3 and 4

https://www.bjs.gov/content/pub/pdf/DRRC.PDF

4. overdose more prominent in a certain socioeconomic class?

* + **Data Sets to be Used**

1) Vital Statistics Rapid Release - Provisional Drug Overdose Data:

https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm

2) Medicare Part D Opioid Prescriber Summary File

https://www.kaggle.com/cms/medicare-part-d-opioid-prescriber-summary-file#medicare-part-d-opioid-prescriber-summary-file-

3) Medicare's Doctor Comparison Scores

https://www.kaggle.com/cms/medicares-doctor-comparison-scores

* + **Rough Breakdown of Tasks**

Collect data relating to overdose deaths, crime and prescription rates

Extract the necessary elements from the data such as location, affected population, etc.

graphics:

-highest concentration of prescribers

-high rate of OD deaths, analyze high