**Crime vs Household Income**

**Team Members**

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* Taylor Wolff
* Danielle Belliveau
* Alexandre Dessoliers
* Edward Chhun

**Project Description/Outline**

We are looking to investigate a correlation between crime rate and socioeconomic status. Our hypothesis is that lower socioeconomic status states have higher crime rates.

**Research Questions to Answer**

* Is the household income higher in more populated states?
* Is crime rate for Under 18, higher in states with a lower median household income?
* What crimes (if any) have any correlation to the household income?

**Datasets to be Used**

* <https://data.world/ucr/crime-in-us-2016-persons-arrested/workspace/file?filename=Table_22_Arrest_by_State_2016.xls>
* <https://data.world/skunkybeer2000/2016-median-household-income-by-us-state>

**Breakdown of Tasks**

Edward: Correlation of household vs crime visualization

Serafin: Household income vs population correlation

Taylor: Powerpoint Summary

Danielle: Create template

Alex: Under 18 vs household income

**Other Takeaways**

* 6-8 visualizations = “2 per question of your data”
* Approximately 3-4 questions
* Chris Example:
* “Does crime rate increase in the summer and decrease in the winter? This would require a full review of the whole year to see if there are any other contributing factors.”
* Can we add overlapping datasets for Crime in US vs Socioeconomic dataset? (Ask Chris)
* Grab a “column” and create a new DataFrame and add to current dataset – add column and rename data for reference.