**Crime vs Household Income**

**Team Members**

* Serafin Juarez
* 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: Correlation of household vs crime - Powerpoint Summary.

Danielle: Household income vs population correlation.

Alex: Under 18 vs household income visualization.

ALL: Assist with pseudocoding during team meetings outside of class. Working to merge and “pull” column from second data set.

All coding will be done during our team meetings outside of class as a collaborative effort.

**Other Notes**

* 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.
* **MAKE SURE WE USE THE SAME DATAFRAME REFERENCES**