Ash Issam

Project Summary:

* Statistical Question
  + For my project I decided to look at the relationship between poverty and crime in the US and I used a high school survey that reported crime victimization. I hypothesize that there will be higher crime incidents when the income level is lower.
* Outcome of your EDA.
  + Based on this survey there is no relationship between the reported income of the respondents and the number of crime incidents that the respondents claimed to have been victimized by.
  + This is may be because this survey looked at high school students and at a younger age the household income does not have as high impact on crime victimization as it would at an older age or when these students move out and are living alone.
* What do you feel was missed during the analysis?
  + Older respondents beyond high school students are definitely missing
  + There could also be a larger sample size as this survey only had around 10,000 respondents

* Were there any variables you felt could have helped in the analysis?
  + The income of the neighborhood the students lived in might have shown a higher correlation
  + As mentioned previously looking at older people as well would give us different results. The older you are the more likely you are to fall victim to some crime unfortunately.
* Were there any assumptions made you felt were incorrect?
  + Started analysis with the assumption that higher poverty equals higher crime. But after analyzing the sample data unable to draw the conclusion. There are definitely other factors influencing higher crime.
  + Urban location will have higher crimes when compared to Rural. This may be partially true.
* What challenges did you face, what did you not fully understand?
  + I mostly used code from the exercises and think stats I would struggle to do this with other python packages I do not have experience with.

<https://github.com/aozan48/530Final>