Alex Khater, Cora Martin, Rajeev Koneru

DATS 6101

Final Project

**FINAL SMART QUESTION**

Directly following from the conclusions of our Midterm’s SMART Question, we ask our second SMART Question:

For the years 2021 and 2022, do

-US Region,

-Law Enforcement Officers per capita,

-Law Enforcement spending per capita,

-body camera mandate laws

-2020 presidential election leaning

have any large influence on a state's proportion of body camera usage ?

**S:** This question is using a specific type of model to measure a specific numeric quantity (state body cam proportion) over a specific period of time (2021-2022).

**M:** We can use basic modeling metrics such as R^2 and coefficient estimates to determine how effective certain variables are at predicting state body camera proportion

**A:** This question is totally aligned with the techniques we were taught in class and is within the programming capabilities of this group.

**R:** This issue is deeply relevant as concerns about police misconduct are higher than ever and anyway to increase the accountability afforded by body cameras is a valuable conclusion.

**T:** Because we did so much of the work before for our midterm, modeling this data should be easily doable within the timeframe.

NOTE: Our dataset has to be reduced from ~6000 observations to ~2000 observations in order for a critical piece of analysis to be rigorous, which was approved by Professor Faruqe