Lab 3

Tuesday, 5:30

possible research question

**Ultimately, does an increase in tax revenue per capita, with a focus on increasing the number of police per capita have a direct impact on the reduction on the crime rate per capita?**

I’m interested in the average sentences in days and the impact on the crime rate…interesting side note.

Complete EDA

models

bulk is due next Monday

Peer Review Sheet

Demonstrate good thought process

Consistent

Conclusions need to make logical sense, they don’t have to be right

Outcome variable should be crime rate

explain crime rate based on other variables.

Research Question

Specific

Motivated

Actionable

EDA

Model Building Exercise

Three Models

1 - Variables of interest

2 or three variables that look

2nd model

add in explanatory variables

controlling for

3rd model

throw the kitchen sink

(why would you do it, why would you not do it)

6 assumptions of linear models