

Lab 3: Reducing Crime

Stage 1: Draft Report

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Abstract

This is our study on crime. Crime does not pay. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Introduction

More background. How the report is laid out. What we are researching and who it is for.

For paper specifications, download the 5 input files — `paper.rmd`, `header.tex`, `references.bib`, `data.csv` and `american-sociological-association.csl` — from this folder. Ignore the other files.

Exploratory Data Analysis (EDA)

Variables

The `crime_v2` dataset provided by () for this study includes 25 variables of interest..

These variables include..

Data Dictionary

Category	Variable
Crime Rate	crmrte
Crime Type	mix
Crime Data	prbarr, prbconv, prbpris, avgsen
Population Data	density, pctmin80, pctymle
Economic Data	taxpc
Geographic Data	county, west, central, urban
Wage Data	wcon, wtuc, wtrd, wfir, wser, wmfg, wfed, wsta, wloc
Police Enforcement Data	polpc
Time Data	year

Table 1: Data Dictionary

Data Prep

Description of what we did to clean the data...

```
dfCrime <- read.csv('crime_v2.csv')
```

Observations about our data as we were cleaning it up...

Boxplots, scatterplots, crosstables, correlation map to show what we have...

Justify removal of outliers, transformations, etc.

Summary and result of the data prep work

The models we propose