

VR3 Assignment 4

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Project description

Over the course of the past several years, statistics involving crime have been made publically available for a variety of locations. There are many sites aggregating data; one such site is <http://us-city.census.okfn.org/dataset/crime-stats>.

Using publically available data, provide an overview of murder statistics and grand theft auto statistics for Raleigh, North Carolina and San Francisco, California, for as many years as possible.

Your report should

1. Provide a measure of incident frequency and incident location for both cities.
2. Provide a brief overview of any similarities between the observed crime patterns for both cities.
3. Employ visualization techniques which support your conclusions.

There are a number of packages available for addressing a problem such as this. You should not feel constrained to use those techniques discussed to date.

Required submissions

Create an R Markdown document or iPython notebook which provides an analysis of the data. The report should:

1. Discuss the quality of the data and any data cleaning/munging you have done.
2. Carefully explain what calculations were done and why.
3. Include supporting graphics.
4. Be reproducible.

A pdf should be submitted via moodle and the document source code should be pushed to your github.