

CS560

State Crime Data Visualization

<https://goo.gl/wKCij2>
(Firefox Recommended)

Alec Hsu, Fu Tan

Motivation

- Crime is a threat to our safety.
- Make it easy for researchers to see the crime trend and research for the reasons.
- Better decision on policy regarding how to improve our society and make our community safer.

Goal

- Is there any sharp increase or decrease for the crime rate?
- Which states or areas have much higher or lower crime rates?
- What are the proportions of crimes in different types in each state?
- What may be the reasons behind them?

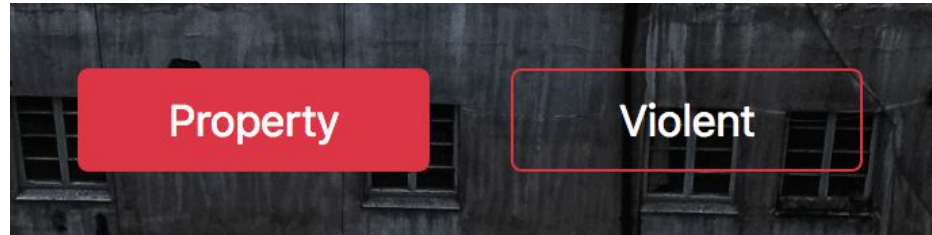
Data

Crime report from U.S. Department of Justice and the Federal Bureau of Investigation from 1960 to 2012.

- Property
 - Burglary
 - Larceny
 - Motor
- Violent
 - Assault
 - Murder
 - Rape
 - Robbery

Our Work

Option to choose the category of crime



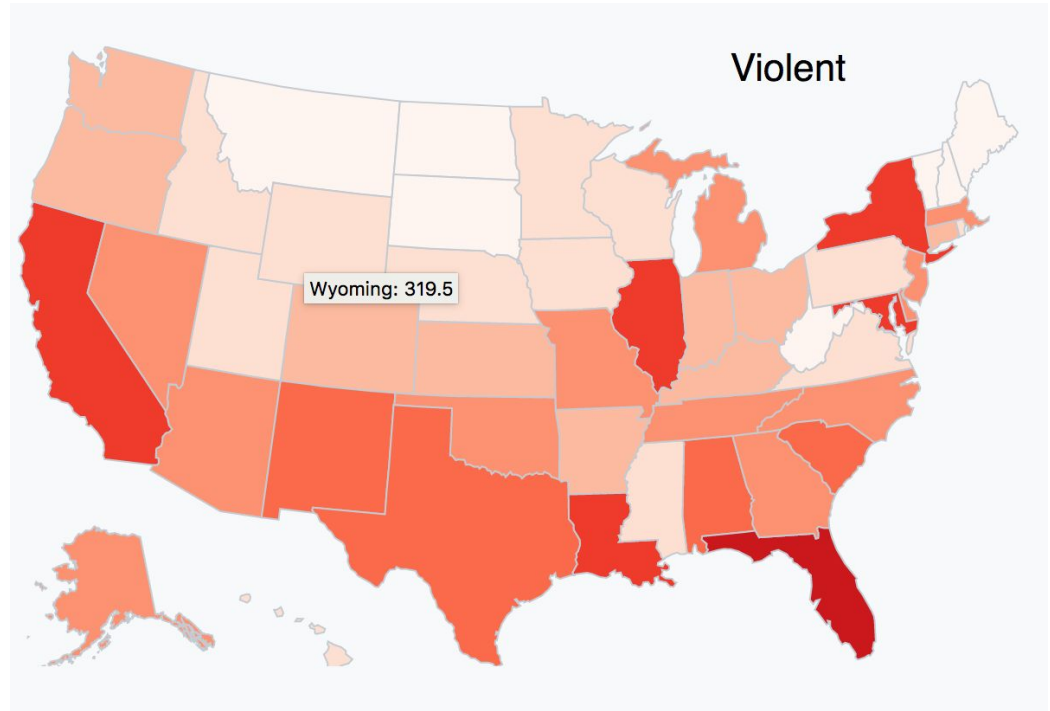
Our Work

Slider to view charts through the years



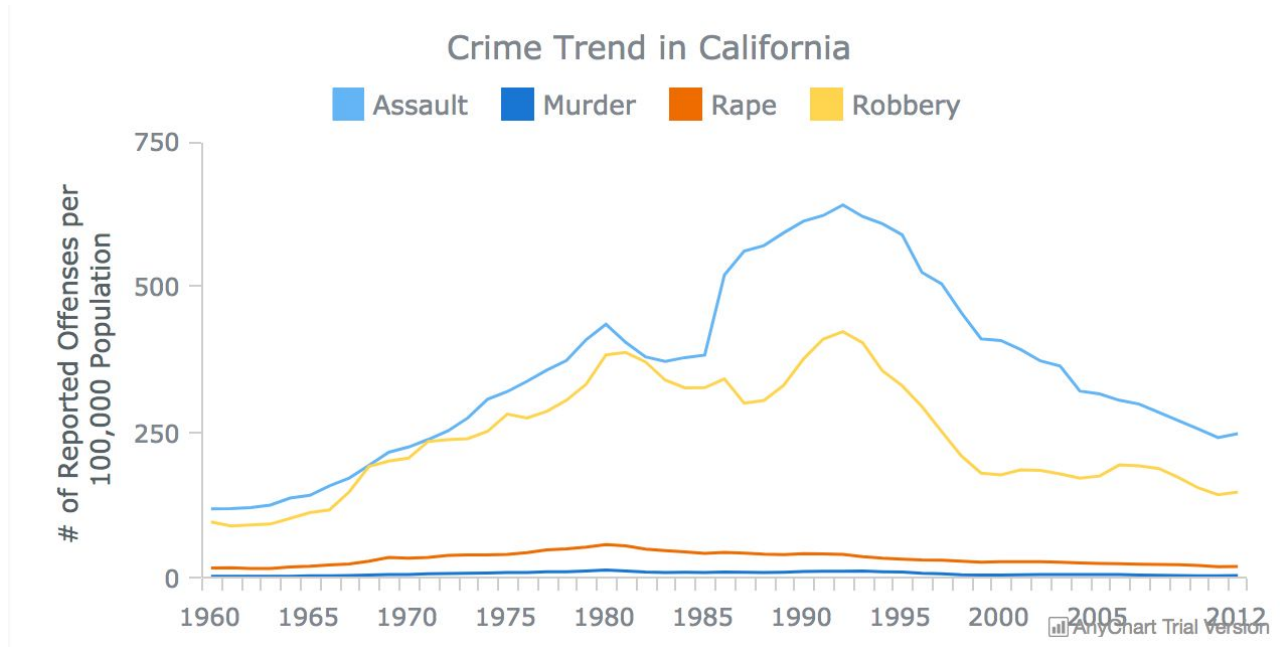
Our Work

Choropleth Map of USA



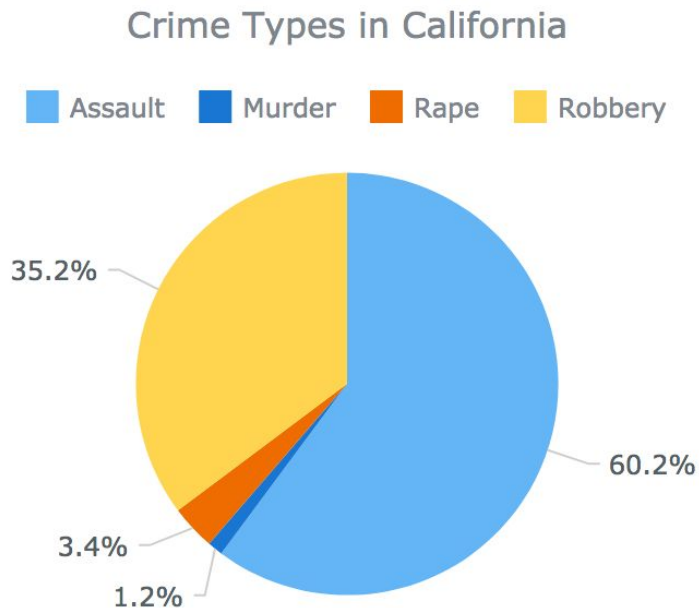
Our Work

Line chart to show the trend of different types of crime of USA or a state.



Our Work

Pie chart to show the proportion of each type of crime of USA or a state.



Demo

Demo Time !

Special Facts

The rate of violent crime in country began to increase from mid-80s, went its peak in early-90s, then dropped in late-90s.

- The crack-cocaine epidemic in the mid-1980s added fuel to the fire.
- Huge drop in New York, specific "get-tough" policies carried out by former Mayor Rudolph Giuliani's administration.

Special Facts

In 1992, the rate of violent crime peaked in California.

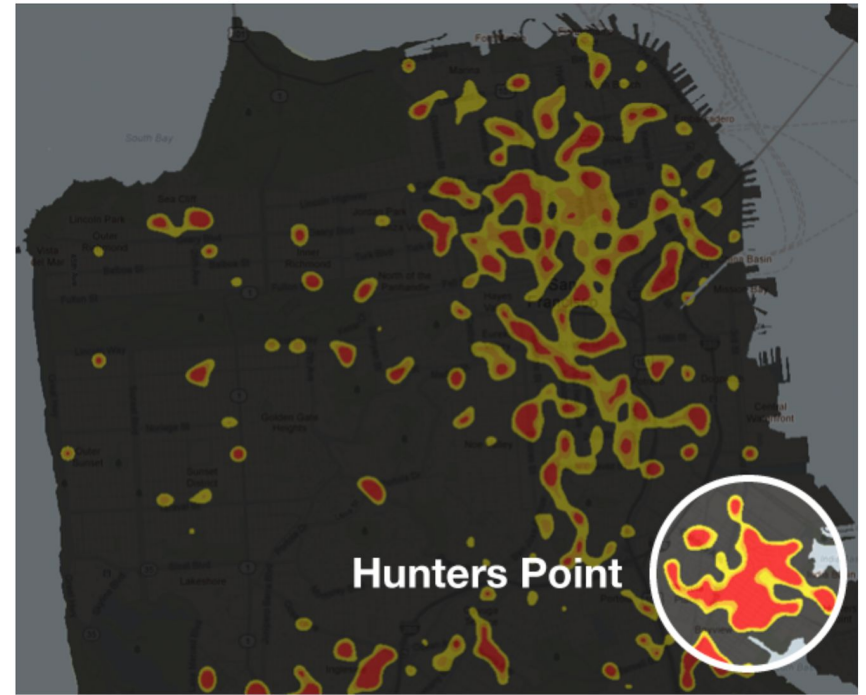
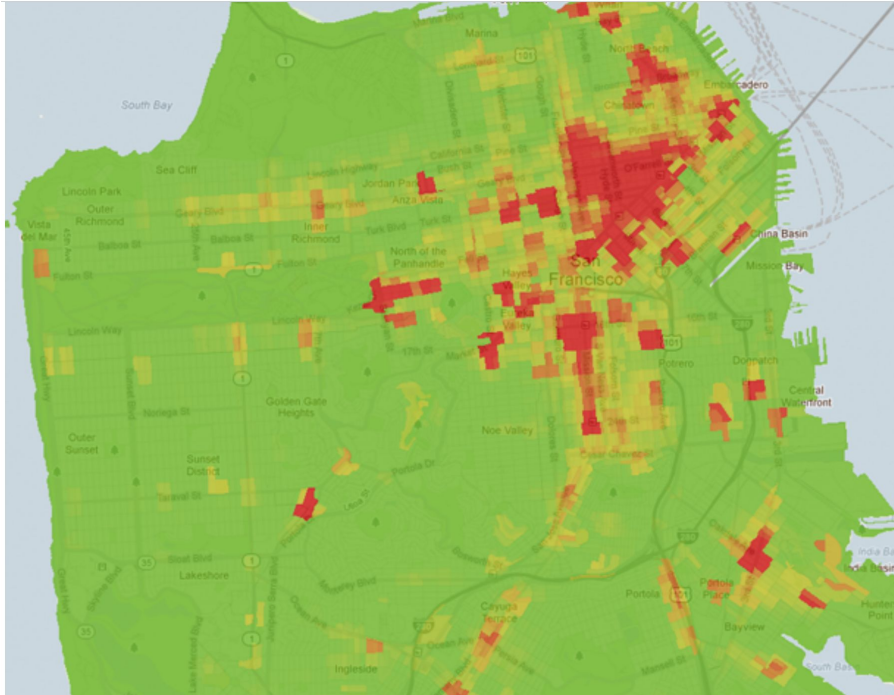
- The 1992 Los Angeles riots, also known as the Rodney King riots.
- The riots stemmed from the acquittal of four white Los Angeles Police Department officers in the beating of black motorist Rodney King in 1991.
- Over five days in the spring of 1992 left more than 50 people dead, and more than 2,000 injured.

Related Work - Hate Crime

Hate Crime



Related Work - SF Crime Map



Related Work - Crime in Context

Crime In Context

Future Work

- Crime data for each city
- Make the cities to be selectable for filtering

Reference

- What Caused the Great Crime Decline in the U.S.?
- What reduced crime in New York City
- Los Angeles Riots Fast Facts

Questions?