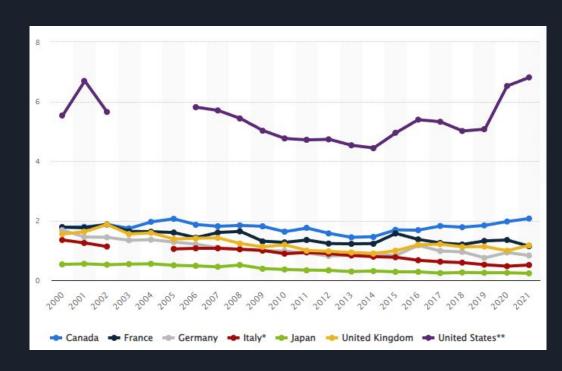
Effect of Education on Crime Rates

By: Aditya Madireddy

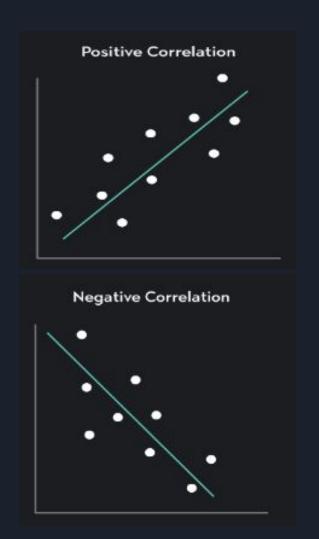
Overview

- One of the biggest problems in the United States is crime
- Almost 25 thousand people are murdered each year!
- One of the highest homicide rates compared to other developed countries (Statista.com)
- Hypothesis: This number can be reduced by improving education across the country



Methodology

- Measured correlation between educational attainment and crime rates
- Negative score implies crime rates decrease as educational attainment % increases
- Positive score implies the opposite



Limitations

- Certain states not included due to issues with merging population, education, and crime data
- Counties may also be missing for the same reason
- Only arrests for violent crimes (Murder, Rape, Robbery, Aggravated Assault) included in crime dataset
- Education dataset only includes people over the age of 25



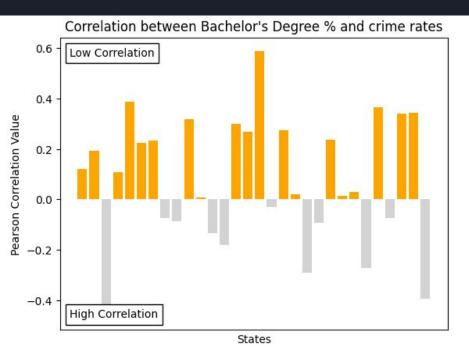
Sources

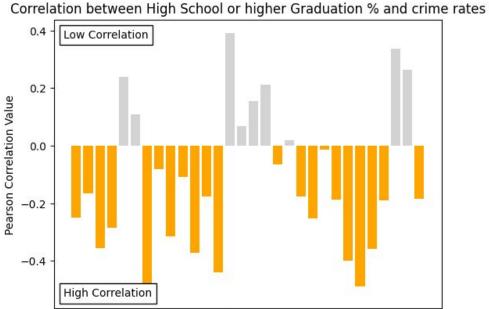
- Educational attainment data by Census.gov (Which got its data from the American Community Survey)
- Crime data by ICPSR (Inter-university Consortium for Political and Social Research) which was compiled from UCR (Uniform Crime Reporting Program), the FBI's crime data program
- Population data by Census.gov
- Florida crime data directly from UCR

About the Data

- Includes information such as percent of people with a high school diploma, or a bachelor's degree, etc
- Data from 690 counties across 30 states
- Crime Rates in the form of crimes committed per hundred thousand people

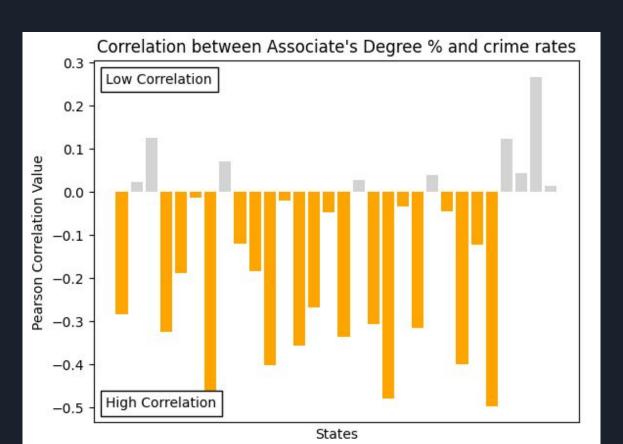
Correlation Results





States

Correlation Results



Thoughts

- Educational attainment seems to have a strong correlation with crime rates up to an Associates Degree
- However, higher levels of education seem to have little to no correlation with crime rates
- So, there is evidence of a strong relationship between educational attainment and crime rates up to a level of education

Future Work

• Further research could be done in order to help establish causality between education and crime, due to the evidence of correlation

 Establishing causality can help influence policies in the future, and help people understand what drives crime Thank You!