

Annotated Data Analysis

For this project, I analyzed the data in multiple ways.

First, I noticed the blanks that occur for every year. I added the totals for every state and compared to the blanks to make sure they were the same, therefore I could assume they equaled the totals for the United States. I also added columns to calculate the rates per 100,000 people for each violent and property crimes, so I could compare each of those much more easily.

For my first data visualization, I compared the rate of violent crimes per 100,000 people for each state over the last decade. To do this, I created a pivot table. In rows, I put state abbreviations. In values, I did the average of violent crime rates. In the filters, I only selected years at and between 2010-2020. Finally, I made sure to filter out Washington D.C. and the blank that represented the total for the entire United States.

For the second data visualization, I compared the number of rapes with the legacy and with the revised definitions over the past 10 years. Under rows, I put the years. I made sure to filter the years to show only at and between 2010-2020. Under values, I put the sums for rapes with the legacy definition and the sums for rapes with the revised definition.

For the third data visualization, I compared the sums for each crime (not including the totals for violent crime and property crimes) over the past ten years. For rows, I put the years. I made sure to filter the years to show only at and between 2010-2020. Under values, I put the sums for homicide, rape legacy, rape revised, robbery, aggravated assault, burglary, larceny, and motor vehicle theft.

To get individual numbers in my copy, I used pivot tables and filters in order to isolate numbers easily.