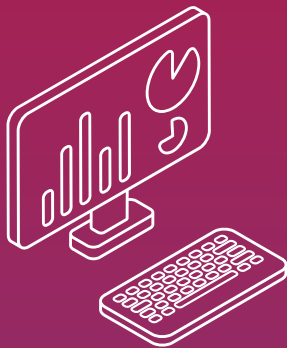


CRIME ANALYSIS IN USA (1975 – 2015)



By:
Anand Vandana
Fraser Jaime



WOZU



ENTITY ACADEMY

Vandana Anand



- I was born in India did my schooling there till 8th grade then I moved to the United States. I have completed my Diploma and after diploma I did Associates degree in Science at William Rainey Harper College in Illinois.
- I worked as a Cashier and Customer Service employee at Walmart for a year. Afterwards, I worked as a Medical Assistant at Advocate Hospital for 11 months. Thirdly, I worked as Administrative Assistant and Dental Assistant at a Dental office for 4 years. Currently, I am working as a Receptionist at a Nursing home been 6 months working there.
- I have been working with technology my past years but it is way different than the data science software.
- I feel like by now I am an expert in this Data science course journey. I can analyse big data. I have knowledge about all the languages like R, Python, Tableau, SQL, and many more.
- Recent data science graduate with 5+ years of medical experience seeking to advance skill set in a people-oriented company. Professional individual with strong organizational skills, oral communication and the ability to work individually or within a group. I am also a quick learner.

Jaime Fraser

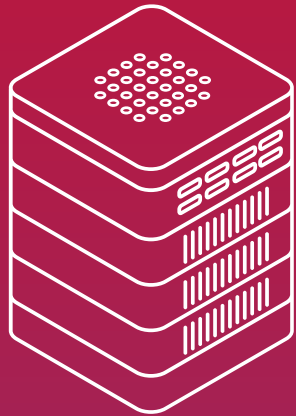


- I do not have any prior education other than graduating from high school in 1994.
- Prior to this program I did not have any computer experience.
- I worked as a catering manager for a high-end catering company prior to moving to Florida where I now work in an Orthopedic office.
- I do use a computer where I work now but it is their program and I am not utilizing any of the skills from this program.
- Who I am does not connect with the project. I grew up in a small town where there minimal to no crime.
- I do work a Full-Time job that I enjoy. This program will be a stepping stone for me to find a Part Time data entry job that I can work from home while keeping my Full Time job.

Project Intro

Is crime in America rising or falling? The answer is not as simple as politicians make it out to be because of how the FBI collects crime data from the country's more than 18,000 police agencies. National estimates can be inconsistent and out of date, as the FBI takes months or years to piece together reports from those agencies that choose to participate in the voluntary program. We did the project on total crimes in USA during the year 1975 - 2015. The top three cities that had the highest crime rates are Chicago, Los Angeles, and New York.





The audience needs to be more aware of the crimes in these top three cities from 1975 - 2015. That will give them the better understanding as to why the data is not accurate because there is so much data for the FBI to process.



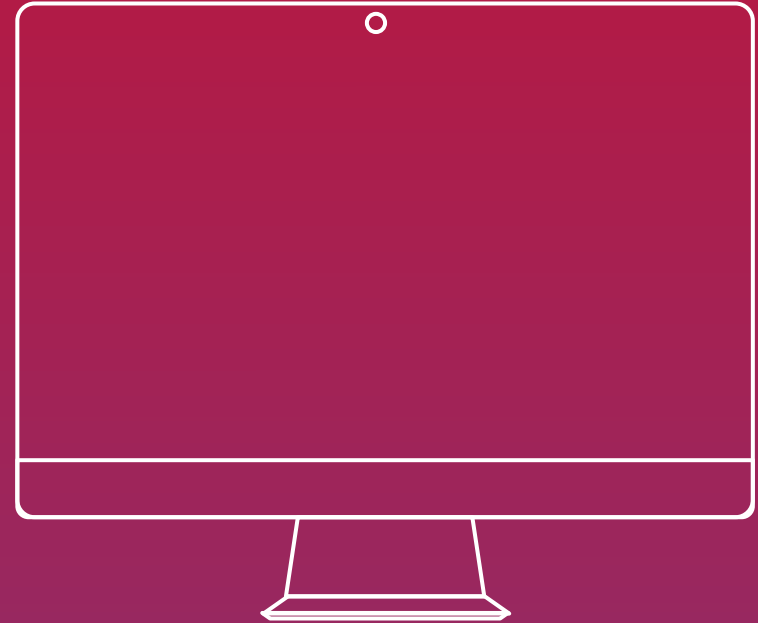
For example in 1976 there was a crime committed in New York City where a lady was raped, beaten, and left to die. The body was found in central park after two days. Once a month another same crime happened in central park another women was rapped and left to die. These crimes started a backlog of data for the FBI which caused the data to be inaccurate. The understanding to our findings is the more crime there is the more inaccurate data it will be.



What were top
three cities
in the united
States with
the highest
crime rates
from 1975 -
2015.

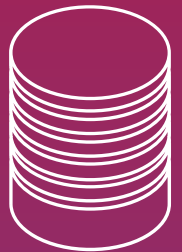


We gathered the data from various websites to bring us to the conclusion that the top cities were Chicago, Las Angeles, and New York. We installed the proper libraries in order to wrangled the data. We wrangled our data using Python in Jupyter lab notebook. We gathered a lot of data. We visualized our data statistics with bar graph and line graph. It turned out that in the year 1990 there was the highest crime rates in new york city.





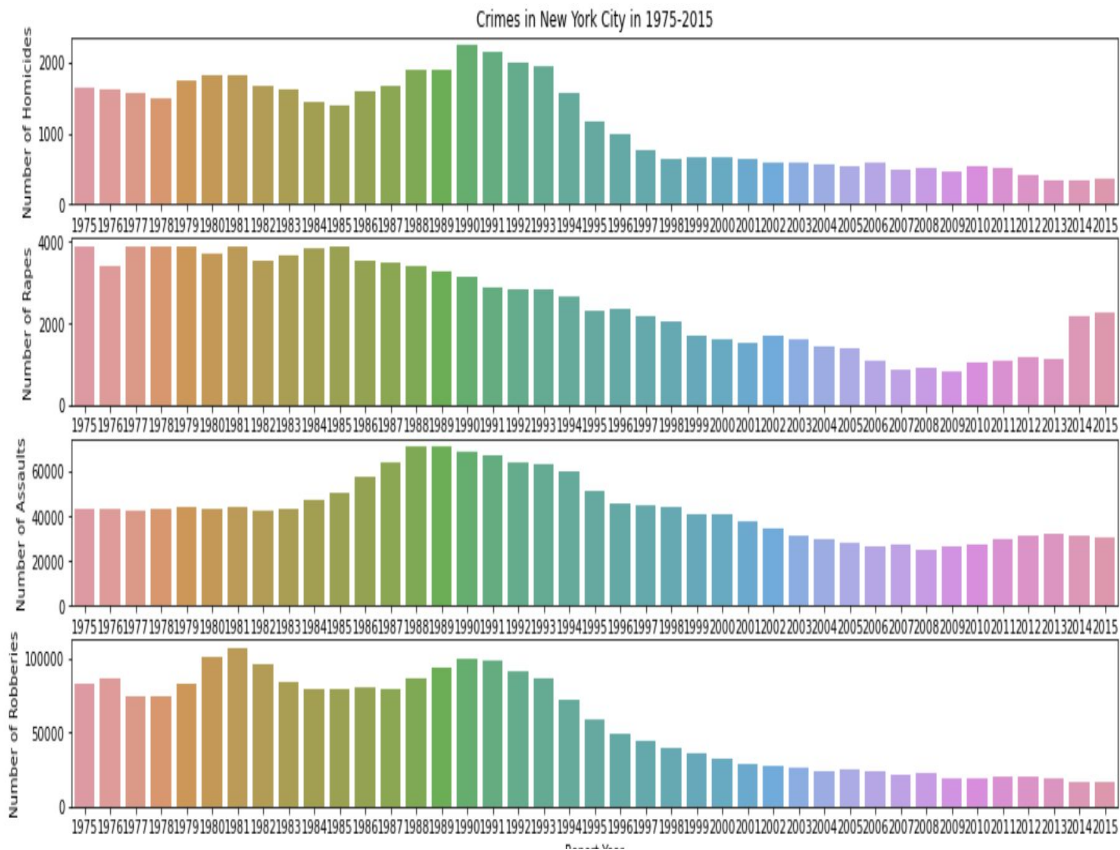
Different types of crimes in New City from
1975 - 2015 and which political party it was
led by.

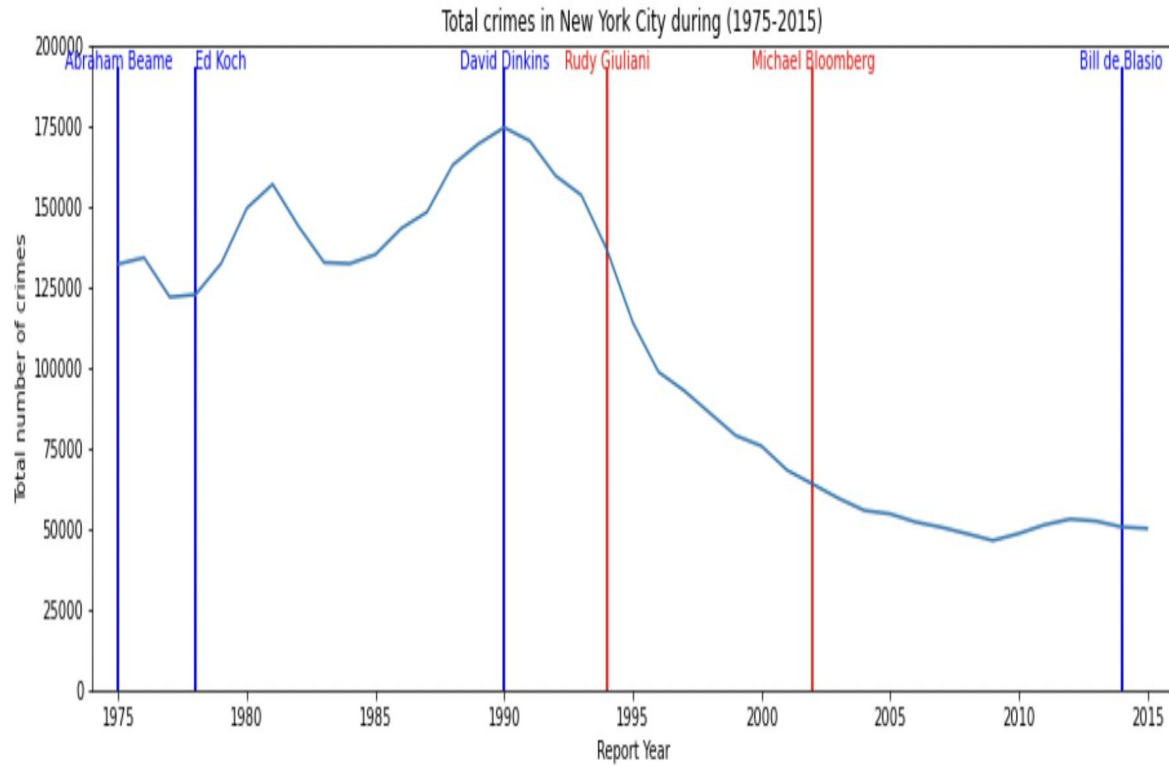




1. The number of homicides in New York city in the early 1990's almost reached 2000.
2. The number of rapes in New York city in the mid 70's and the early 80's almost reached 4000.
3. The number of assaults in New York city in the year 1988 and 1989 almost reached 7000.
4. In 1981 the number of robberies in New York city reached almost 10,000.
5. The number of crimes in New York city was highest on the peak *when it was* led by a democratic mayor. In the year 1995 to 2000 the crime rates took dramatic drop when it was led by a back to back republican mayor.





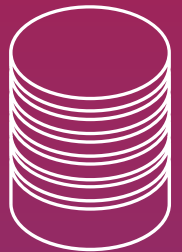




In conclusion New York city is the city with the most crimes in the US. During the 90's there is a striking reduction in crimes in new York city. Most of these crimes are robberies.

In the 90's in New York City, the 'zero tolerance'(-aggressive enforcement of minor offences), has begun its effect and resulted a huge reduction in the number of crimes.

This affected the total amount of crimes in US.



Credits

<https://towardsdatascience.com/crime-location-analysis-and-prediction-using-python-and-machine-learning-1d8db9c8b6e6>

<https://crime-data-explorer.fr.cloud.gov/pages/home>

<https://www.fbi.gov/services/cjis/ucr>

<https://www.fbi.gov/services/cjis/ucr/publications>

<https://www.kaggle.com>

<https://nij.ojp.gov/topics/articles/sources-crime-data-uniform-crime-reports-and-national-incident-based-reporting>

<https://bjs.ojp.gov/data-collection/ncvs>

<https://ojdp.ojp.gov/research-statistics>