Judd.world

Easy access to New York State's conviction and sentencing data

Contents of this template

You can delete this slide when you're done editing the presentation

Fonts	To view this template correctly in PowerPoint, download and install the fonts we used
Used and **alternative resources**	An assortment of graphic resources that are suitable for use in this presentation
Thanks slide	You must keep it so that proper credits for our design are given
Colors	All the colors used in this presentation
Icons and **infographic resources**	These can be used in the template, and their size and color can be edited
Editable presentation theme	You can edit the master slides easily. For more info, click **here**

For more info:
SLIDESGO | **BLOG** | **FAQs**

You can visit our sister projects:
FREEPIK | **FLATICON** | **STORYSET** | **WEPIK** | **VIDEVO**

Table of contents

01

Introducti
on

Stack

- **Data Collection and Scraping:** Python, Selenium, Pandas
- **Data Processing:** JavaScript
- **Database:** Supabase
- **Webstack**: React, Node, Vite
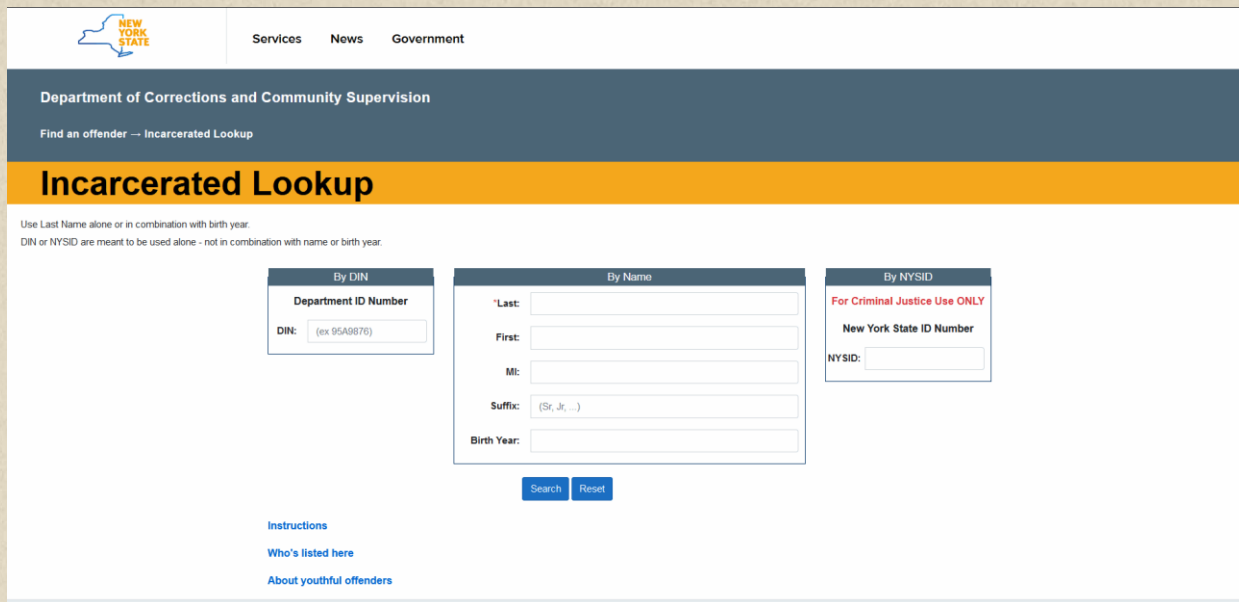- **Data Visualization:** React-chartjs

Data Collection

Due to the nature of the way the New York State Corrections And Community Supervision website presents the data, I had to interact with elements on the web page and then scrape the data. This meant that I had to use a dynamic web scraper, and so I built one using Selenium.

Data Preprocessing

After getting the data from the html elements using selenium, I used a pandas dataframe to normalize the data and handle missing data. And as each page was scraped, I appended it to a csv file. After scraping approximately 300,000 pages I wrote another script to remove duplicates from the csv and added each unique entry into another csv file.

Demonstation

Average Sentences

Crime(s) Selection

Note that unspecified degree(s) will be defaulted to 1ST

Note that an unspecified filter will default to AGE

Crime 1

Select Crime(s) ⌄ | Select a Degree ⌄

Crime 2 (optional)

Select Crime(s) ⌄ | Select a Degree ⌄

Crime 3 (optional)

Select Crime(s) ⌄ | Select a Degree ⌄

Crime 4 (optional)

Select Crime(s) ⌄ | Select a Degree ⌄

Select Filter

Select Filter ⌄

Next Steps

- Work on design

- Transition from supabase to postgres database

- Bug fixes

Thanks

Do you have any questions?
LinkedIn: Mubarak Odufade
Github: mao-99