

Crimes in NYC: Readme File

Brief Description

This project focuses on analyzing three key datasets related to crimes in New York City (NYC). The datasets used are:

1. **NYC Hate Crime Data:** Obtained from NYC Open Data.
2. **NYC Arrest Data:** Retrieved from NYC Open Data.
3. **ACS 2020 Data:** Acquired from the US Census Bureau.

The primary hypotheses explored are:

1. Blacks face a higher incidence of racism through hate crimes.
2. There is a higher rate of arrests among Blacks compared to Whites.

Libraries

Ensure you have the following Python libraries installed to run this program:

- Geopandas
- Seaborn
- Contextily
- Shapely
- Folium
- Numpy

- Pandas

- Matplotlib

To install the required libraries, you can use the following command:

```
pip install geopandas seaborn contextily shapely folium numpy pandas matplotlib
```

Getting Started

Prerequisites

Before running the project, make sure you have Python installed on your machine. You can download it from <https://www.python.org/downloads/>.

Installation

Follow the instructions given on the website for smooth installation on your system

Usage

This project is designed for anyone interested in learning about crime in NYC and performing data analysis. Users can explore the datasets and draw insights into hate crimes, arrests, and demographic data.

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