

Data608 Final Project Proposal

By Ritesh Lohiya

CRIMES IN THE CITY OF CHICAGO

Introduction:

I am going to present the crimes committed in the City of Chicago from 2012 to 2017.

My dashboard will show an overview of crimes committed in the City of Chicago from 2012 to 2017, including trends of crime over years, type of crimes committed most, geographic distribution of crimes committed categorized by types. In general, it will give a objective visual representation of crimes took place in past few years from different perspectives.

Data Source:

I have identified the data from Kaggle.

<https://www.kaggle.com/vic666/chicago-crimes-2012-to-2017>

Data Attributes:

ID
Case Number
Date Block
IUCR
Primary Type
Description
Location Description
Arrest
Domestic
Beat
District
Ward
Community Area
FBI Code
X Coordinate
Y Coordinate
Year
Updated On
Latitude
Longitude
Location

Visualization:

I will be using Python Plotly to create visualization for this project.

Crime trends based on type and month of the year:

This graph will give the readers a concept on the month of years when the number of certain type of crimes increased or decreased.

Crime Map:

Geographic data positioned in the map that will indicate the number of crimes happened near that position.

Domestic crime and non Domestic crimes:

Information about the proportion of how many crimes where domestic and non-domestic.

Overall Crime timelines:

Give users a clear view on how many crimes have been committed within that time period.