Data608 Final Project Proposal

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CRIMES IN THE CITY OF CHICAGO

Introduction:

My visualization presents the crimes committed in the City of Chicago from 2012 to 2016.

My visualization shows an overview of crimes committed in the City of Chicago from 2012 to 2016, including trends of crime over years, type of crimes committed most, geographic distribution of crimes committed categorized by types. In general, it gives a objective visual representation of crimes took place in past few years from different perspectives.

Data Source:
I have used 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 used JavaScript and libraries to create visualization for this project.

Total crimes by year:

This graph will give the readers a concept on the total crimes happened in each year from 2012 till 2016.

Crimes by AM and PM:

This graph will give the readers total crimes happened in AM and PM for each year from 2012 till 2016.

Crimes by weekdays and weekends:

This graph will give the readers total crimes happened in weekdays and weekends for each year from 2012 till 2016.

Arrested and Not Arrested:

Information about the proportion of how many were arrested and not-arrested.

Domestic crime and non Domestic crimes:

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

Crime types per year:

This graph will give the readers a concept on the types of crimes for each year from 2012 till 2016.

Crime by location:

This visualization will indicate the number of crimes happened at that location.

Overall Crime per months:

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