

Data Science Capstone Project

Mission :

The overall mission of this project is to identify homicide in Chicago. I came across an article on Forbes that sparked my interest in diving deep into this problem. (<https://www.forbes.com/sites/niallmccarthy/2017/06/21/is-chicago-really-america-s-most-dangerous-city-infographic/#3bbfd3dc50da>)

Chicago is well known as a hotspot for crime. The reputation of this city speaks for itself. When reading this article, I came across 2016 as being the worst year for homicides in Chicago in two decades. The city had more homicides than New York and Los Angeles combined.

This project sparked my interest in thinking about the venues that may be impacted by these sorts of crime. Homicide can have a major effect on venues such as lowering their value, reducing profitability and most importantly, a decreased investment in the community. Studies have shown homicides can also cause businesses to also downsize or discourage new businesses potential to open in the community.

Data :

The data I have extracted to perform this analysis comes from the Research & Development Division of the Chicago Police Department.

- Chicago Crime Data - <https://data.cityofchicago.org/Public-Safety/Chicago-Police-Department-Illinois-Uniform-Crime-R/c7ck-438e>

I will also be using Foursquare API Data which will be extracted directly from Foursquare to identify nearby venues that may be impacted by the homicides. Foursquare provides. I have chosen to use venues because the list will include businesses, restaurants, or places of interest people visit.

- Foursquare - <https://foursquare.com/>

