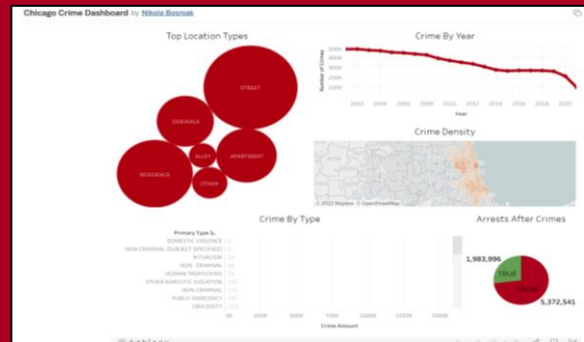


Data Visualization [AIDS-211]

Final Project Proposal

Team Members – Group 15

- Ahmed Raza Sharif (23PGAI0120)
- Akash Deshwani (23PGAI0035)
- Harshada Suresh Jadhav (23PGAI0101)
- Rohan Mehta (23PGAI0001)



Problem Objective

Our Initial step was to decide type of project we will be working on. We had two options (data analysis/explainer or Tableau dashboard improvement) as we have already worked on EDA in assignment 2 so we decided to look forward for dashboard improvement. After looking at multiple dataset we decided to work on Improve Tableau dashboards downloaded from Tableau Public. The [Chicago Crime Dashboard](#) lacks the inspiration of multiple heuristics which we discussed in Assignment 3, so here we look for to improve those heuristics.

DataSet Source : [Chicago Crimes, 2001–present \(click Export to download a CSV file\)](#)

(Taken from the links provided by Prof. Vidya Setlur 'Final+project.pdf'.)

Problem Formulation

- The current Dashboard doesn't have intuitive color encoding, we will improve it.
- Missed out on User interactive queries, we will write dynamic queries with option of radio buttons for filtering.
- Does not have text accompanying the charts which provide insights.
- We will define new derived heuristics such as crime type (violent/ non-violent), crime by time.
- The crime density chart is not readable, we will try to improve it as it will be the core defining chart of the dashboard
- We will try to simplify the design of the dashboard which is easy for the user to interact and derive insights.

Thank You!