

Group Name: Analytics Avengers

Project Title: Mapping Using ggspatial

Members Duty:

Isabel: proposal, research about ggspatial, data wrangling, slides

Sophia: mapping, slides

Charles: clean data, mapping, slides

Kumassi: mapping, slides

Description of Data Set: [https://data.milwaukee.gov/dataset/wibr/resource/87843297-](https://data.milwaukee.gov/dataset/wibr/resource/87843297-a6fa-46d4-ba5d-cb342fb2d3bb)

[a6fa-46d4-ba5d-cb342fb2d3bb](https://data.milwaukee.gov/dataset/wibr/resource/87843297-a6fa-46d4-ba5d-cb342fb2d3bb) This data set contains all of the crimes committed in Milwaukee area beginning on January 1, 2025, to today (April 23rd). It has 8283 observations and 24 variables. We will be adding two variables to the data frame, longitude and latitude, so that when we map the data, we have exact points. Some of the variables include, date/time of report, location, zip code, and all the different types of offenses.

Goal: Our goal is to learn about ggspatial and show its uses by mapping Milwaukee crime data. We will attempt to create static maps, choropleth maps (if applicable), thematic maps, and interactive maps.