

Ian Mbaya

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CIS 635 Term Project

Project Title: Crime Forecasting

Progress so far

Completed Tasks: We have been able to meet up and develop a framework for the tasks we are going to undertake, who will do the tasks, and when we will complete them. In addition, we were able to upload the data and attempt basic exploration and visualization to get a clearer understanding of what is in the data and how best we can utilize it.

Data: Since we are only doing primary exploration and pipeline building, we decided to only use the Jan to July 2016 data. The reasoning behind this decision was that we would apply less computing power to process the data. Once we have built our pipeline, we may then decide to include more data depending on the performance of our models.

Challenges

The primary challenge we have encountered with this data is regarding our understanding of geospatial data in Python. We have not worked with this type of data before and thus it has been very difficult to move forward with our project.

To solve this problem, we decided to take a moment to learn more about the geopandas library. So far, we have been able to gain some level of mastery of the library and feel confident to proceed with our project.

Collaboration

We meet every Saturday from 1:00 pm to 6:00 pm and overall, our efforts in contribution have been incredible despite our lack of prior knowledge. We hope to use the Thanksgiving break for a couple more meetings that will set us on course with our schedule.

Next Steps:

We expect that the next two meetings that we will have over the Thanksgiving break will help us develop a more tangible framework for what we can do for the project.