Iteration 2

Colin Johnson

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1 Project Kickoff

1. I want to query using SQLite3 to look at certain sections of data like the type of crime, where, when, and gender. By doing this, I can build a model using machine learning for certain sections like building a model to predict the likelihood of a crime being committed in a certain area, by gender, and more.

2. I will only be looking at columns of importance and ignoring columns like the coordinates/longitude and latitude, columns without clear info like the district, and more. Mainly will be looking at the location, the type of crime, gender, age, and type of area like if it was a street, house, etc.

3. Certain deliverables like datasets, project objectives, and timelines should be completed before starting specific tasks. The first phase should be getting the dataset and objectives should be first. Then after building a timeline and finalizing the objectives. Finally, finish off by working on those objectives following the timeline you made.

2 Team Discussions

4. This topic is just me so using my knowledge of model building and machine learning from previous classes is important for the task I have in mind. Using SQL to query is a weakness that could cause potential challenges in finishing this project. Languages are mainly SQLite3 and Python as those are the main programming languages I am familiar with.

3 Skills and Tools Assessment

5. It is important for the project to use pandas for clean data storage. Sklearn and SciPy can be used to use machine learning to create a model and make regression/predictions.

4   Initial Setup

6. Using Python, Git, SQlite3, and Overleaf

5   Progress Review

7. I have created the repository for GitHub as well as figured out the dataset that I will be using for my project. Progress aligns with objectives as I need to make sure to follow a timeline to get to the next steps. In order to start analyzing I need the data prior.

6   Plan Revision

8. No delays in the project. Need to ensure goal is very clear and achievable

7   Submission

9. https://catalog.data.gov/dataset/crime-data-from-2020-to-present