

SI 206 Data-Oriented Programming

Project Name: APIs, SQL, and Visualizations

Project Objective:

Demonstrate the ability to:

- Create a fully-working program without any scaffolding (starter code)
- Create and modify tables in an SQLite Database
- Utilize APIs (including researching methods)
- Utilize visualization software (including researching options)
- Document your code
- Work in teams of 2 to 3 people
 - Working in groups is a skill that is highly valued

In this project you will gather data from one or more APIs and optionally a website (with Beautiful Soup) to answer questions such as what is the effect of weather on crime or is there a correlation between the average yelp review and the average income in an area.

Deliverables and Submission Process:

1. **You must submit a project plan by Thursday Nov 17th!** See the details below. The submitted plan will be graded, but you can change what you plan to do without letting us know.
2. Students who present their fully completed project by **Wednesday December 8th** (during the last lecture) will receive 15 points of extra credit. They will still have till Dec 12th to complete the report and submit the project. We have a limited number of slots for teams to present during the last lecture.
3. **You must submit a report on your project and a zipped copy of all of your code on canvas by December 12th 11:59pm.** Absolutely no late assignments will be accepted.

4. You can report attendances online on Zoom on December 12th or 14th if you