

Project: Sidewalks

Spring 2023 CS506 Data Science

Deliverable 0

Checklist Completed:

- Github invite accepted
- Trello invite accepted
- Slack invite accepted
- Form for availability for kick off meeting completed
- Added team member's information on the team information page of git

Scrum Report:

What is the Project Focus / Overall Goal?

- To develop an accessibility score for the sidewalk network in the City of Boston and use it to determine the most inaccessible sidewalk corridors, create accessible routes, and develop a proactive maintenance strategy.

Why is this project important?

- This project is important because it aims to improve the accessibility and safety of the sidewalk network in the City of Boston, which can have a significant impact on the quality of life and well-being of residents.
- By identifying the most inaccessible sidewalk corridors and creating accessible routes, more people will be able to access goods, services, and public transportation. Additionally, a proactive maintenance strategy can help prevent accidents and injuries caused by trip hazards and other sidewalk obstructions.
- Finally, by quantifying accessibility inequities, the project can inform policies and programs to ensure that all residents have equal access to public amenities and services.

What type of data will you collect or be analyzing?

- We will be conducting an analysis using multiple data sources, including 311 requests, construction projects in the city, the location of schools, bus routes, and shapefiles of ramps and sidewalks.

What are the potential limitations of the project?

- The project's success is dependent on the accuracy and comprehensiveness of the data used to create the accessibility score.

What are your next steps?

- Meet with the project manager for our weekly meeting.
- Create a work plan with the team and determine the breakdown of tasks into weekly sprints on the Trello board.