

## Scrum Report 2 - groupD of bus performance topic

1. What have we worked on?

Working on Data collection step which Implement the MBTA API to collect information of bus routes. And gather insight for some base questions for analysis like What are end-to-end travel times for different bus routes and which line always occur more latency than other lines which leads to disparities of data? etc .

2. What will we be working on next?

Continue on data processing and analysis base questions.

3. Have we run into any issues? Do we need help?

None so far.

4. Team Lead: Have I talked to the client recently? When are we meeting with them next?

At the lab, I discussed with the TPMs on our team's current status and what our next steps should look like. Here are the main takeaways.



**James Xiao** 3:12 下午

Hi let's aim to answer these questions before the next deliverable is due:

1. What are the end-to-end travel times for different bus routes
2. Are there disparities in the service levels of different routes? (which lines are late more often than others)
3. What are the population sizes and characteristics of the communities serviced by different bus routes (e.g. race, ethnicity, age, people with disabilities/ vulnerabilities)? (this can be an extension to #2)



**James Xiao** 3:53 下午

What types of graphs do you need from the data. What insights could the data provide us

EDA - exploratory data analysis (without manipulating or changing)

for CSV and API data

