

Client Meeting on Friday, 10/20/17. (3rd client meeting)

Ridership volume

- Wednesday has the most bookings, while Saturday and Sunday have the least. The week spread can be thought of as an upside down U curve

What is the difference between an Admin & End User?

- Admin: used if we are building different routes and comparing. For example, you might want to play around with different parameters.
 - Example parameters could be things like pickup time, pickup time window, how much extra time a person can drive in a vehicle
 - This allows MBTA to simulate multiple scenarios if rules change
 - This allows MBTA to use program in the future
- Admin should also be able to control & access accounts or any other login information.

Questions About Data

- Ancor: a/p: “a” means arrival, and “p” means pickup at that time. This tells the system whether the person wanted to be picked up or dropped off at the given time.
- Determining if someone is best suited for uber: is there any way that we can dispatch an uber from the app?

Uber/Lyft:

- Some trips can go to uber and lyft (creates scheduled set of rides, and the way that works, it sits on the platform and then before the request time estimate, it calls and uber)
- Based on cost to split uber lyft and taxis. Uber and lyft use surge price and don't guarantee price on day.
- If we have outputted routes, we can send to Diogo and compare costs
- Load data into a webservice - load data into cloud, and we can setup a webserver (it has an external website) and then you can upload data and then download data
- Identify the tripID per vehicle, as this indicates what vehicle will complete each trip.

Output should be in the form of:

pickup request time, address, tripID

Pickup request time, address, tripID

Drop off trip ID, address

Pickup trip ID at address...

Where the bus vendors start & end → those materials will be provided to us

Driving to and from the garage is not included in the cost. Time starts when first passenger gets in the bus.

For the project, we can treat as if the drivers can be cut off day to day (we allocate as many drivers per day as we need, we don't need to worry about driver's shifts)

Vehicles that need to wait between trips are still being paid for.