

Client meeting notes November 3, 2017

Questions and Challenges?

Approval to use the [verifone?] API - will be shared with us soon.

Productivity for routes

We were late x minutes (not relevant to this project)

Looking at the travel behavior.

Travel behavior - does this person go to the same place every day? Is this a regular trip over time? Where are the hot spots? Where do most people go/are dropped off?

NICE flexibility to simulate

Basic metrics to enter in - peak of time window. What is the availability of the vehicle - cost of the hour, ability to simulate that and change basic parameters given a set of trips - that is valid! Check policy change. Change policies in the system to make it better. Might not help make the system efficient.

Busy days vs not busy days - part of the prob. How many vehicles for a low ridership day? Does it make sense to open for same day requests since we have the capacity

Play with the data set and increase or decrease and might find some good insights on the optimization problem

Weekend trips - lowest number, hardest to handle because just random trips.

Speed of trips > better on weekend

Lower trips, less traffic

Verifone API - API to their curb app. Curb app is similar to Uber and Lyft. can push trips to their api. Create trip manifests for the Ride. work on something that auto push those trips to them. On the API can run "test" scenarios and pull

Use a short data set

Avg trip time/traffic

More recent historical data.

Try to use something that takes more into account real data and real info.

.50 for every 1000 req. Over 2500.

PCA = personal care assistant, mandated by law that they must travel with someone that requires a PCA - if it has a 1, takes two seats in the vehicle, must travel with the rider

A lot of the things we are thinking is based on geographic/demographic - zip codes. That is where we think that ride sharing is based on density area and the time that you are willing to stay in the vehicle for us to share trips

Dont have density = hard to make the system efficient, share rides.

Find ways to differentiate areas - any metrics or visualization that will pop up - these trips in these zip codes are ... ridership is low. Ride sharing geek map. Take a diff look and say - do we look at this region and think about how we serve these trips and how to serve these areas

1.2 trips per hour if we have an 8 seat van - not doing a good job.

Have an 8 seat van, needs to run that at least at peak hour close to capacity. Need to share more trips. One thought of how to do that and take in some trips in the outskirts - density not enough. Make the core service more concentrated in a certain area.

NEEDED FROM OUTPUT

Ride ID, Request time, pick up address, drop off address. Provider of each route.

If route 1 = vehicle 1.

If its taxi trip, instead of saying route - it will say taxi uber lyft etc.