

Team Members:

Yuankai Wang yw2504

Luyao Chen lc3442

Yalin Zhuang yz2833

Background

The yellow taxi in New York City is very famous, and it can be regarded as one of the landscapes in New York City. However, it is just a part of New Yorker's life. We always want to take a taxi as soon as possible when we need it especially in the raining days.

Project Objective

In this project, we try to use the big data technology to explore the relation of taxi trips to weather, time and location. After the first step, we also can explore the effects, caused by Citibank bikes and Uber, on the taxi trips. At last, we may implement a recommendation system for people who need advice about where to take taxi.

Project Key phases

1. Clean the dataset about yellow taxi and green taxi in NYC and do some statics.
2. Collect data about NYC weather and explore the relationship between the taxi trips and weather.
3. Clean the dataset about Citibank bikes and Uber and explore the relationship between the taxi trips and them.
4. Implement a recommendation system bases on several inputs such as time, location, weather to provide the best place to take taxi.