

### Expected Requirements:

#### **Step 1: Exploratory Data Analysis**

- Find the number of taxi rides for each company for November 15-16, 2017 and sort by descending order.
- Find the number of rides for companies containing "Yellow" or "Blue" for November 1-7, 2017 and group by company name.
- Find the number of rides for Flash Cab, Taxi Affiliation Services, and "Other" in November 2017, grouped by company name and sorted by descending order.

#### **Step 2: Analyze Ride Duration from Loop to O'Hare Airport**

- Retrieve neighborhood IDs for O'Hare and Loop from the neighborhoods table.
- For each hour, retrieve weather records with field: "Bad" for rain or storm, "Good" otherwise.
- Retrieve all Saturday rides starting in the Loop and ending at O'Hare, including weather conditions and durations