

# CITI BIKE SYSTEM IN NEWYORK CITY 2013

## **Brief about dataset:**

Citi Bike is New York City's bike share system, and the largest in the nation. Citi Bike launched in May 2013 and has become an essential part of transportation network. They make commute fun, efficient and affordable – not to mention healthy and good for the environment.

## **Variables in dataset:**

- Trip duration: Duration of the trip in seconds.
- Start time: Start timestamps of each trip.
- Stop time: End timestamps of each trip.
- Start station id: Unique identifiers for starting station
- Start station name: Names of the stations where trips start
- Start station latitude: Geographic coordinates for start Station
- Start station longitude: Geographic coordinates for start Station
- End station id: Unique identifiers for ending station
- End station name: Names of the stations where trips end
- End station latitude: Geographic coordinates for end Station
- End station longitude: Geographic coordinates for end Station
- Bikeid: Unique identifier for each bike.
- Birth year: ser's birth year, for age estimation.
- User type: Type of user (Customer = 24-hour pass or 3-day pass user; Subscriber = Annual Member)
- Gender: User's gender (Zero=unknown; 1=male; 2=female)

## **Questions:**

1. Which are the top 10 busiest start stations for Citi Bike trips in New York City (2013)?
2. What is the average trip duration in minutes for each user type in New York City (2013)?
3. How many trips were taken by each gender using Citi Bike in New York City (2013)?
4. What are the peak hours for Citi Bike usage on each weekday in New York City (2013)?
5. What is the average trip duration by weekday for each user type using Citi Bike in New York City (2013)?