

My Report

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Investigation Overview

Goals of the presentation

To answer:

- When are most trips taken in terms of time of day, day of the week, or month of the year?
- How long does the average triptake?
- Does the above depend on if a user is a subscriber or customer?

Key Insights



Dataset Overview

This data set includes information about individual rides made in a bike-sharing system covering the greater San Francisco Bay area.

Ford GoBike operates similarly to other bike share programs in that it has a fleet of bicycles that may be unlocked in one station and returned in any other station. This makes one-way excursions perfect. Riders have access to all of the network's bikes, and these bikes are available for use all year round.



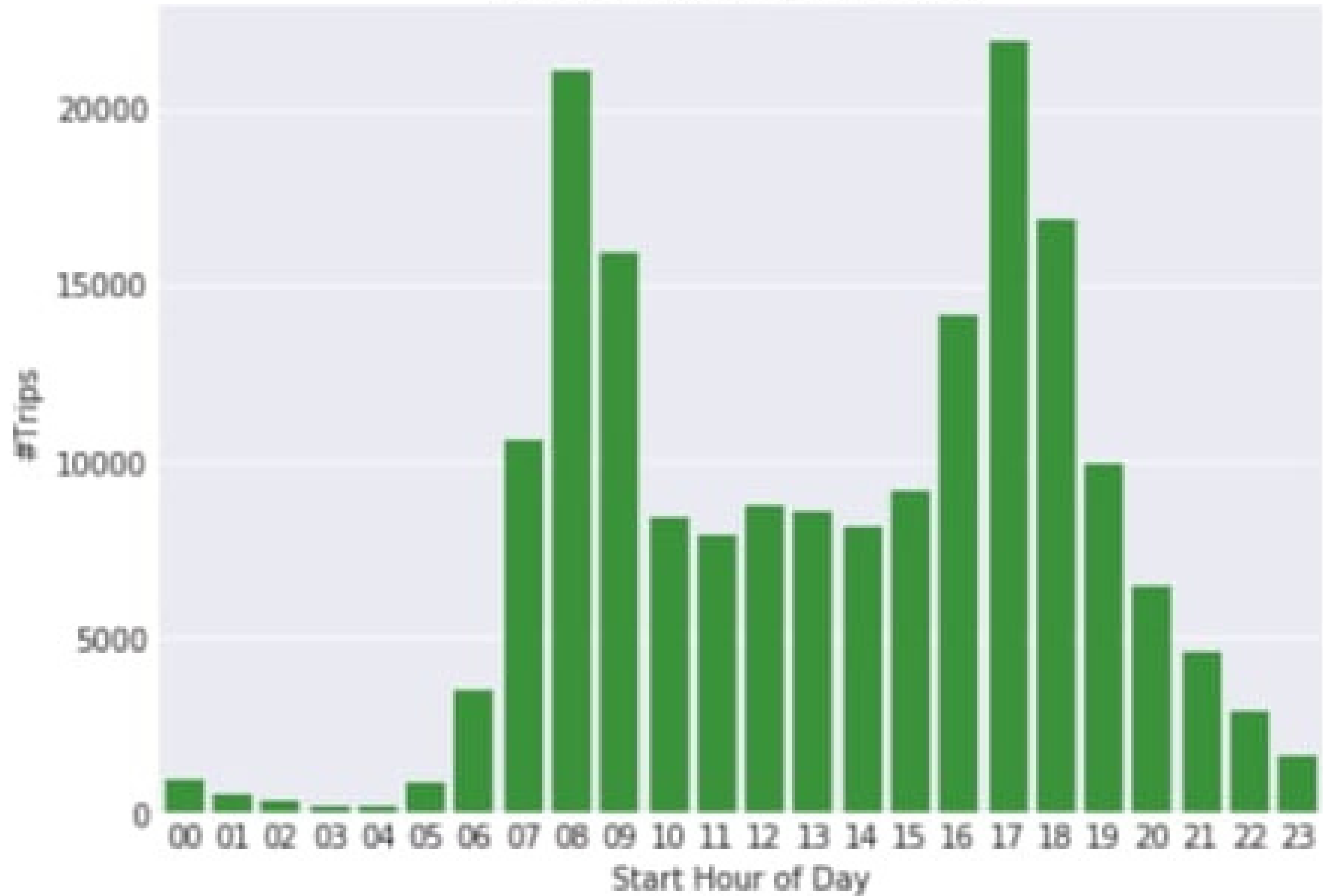
Visualization on Univariate Exploration

Univariate exploration deals with the distributions of individual variables.

The example cited in the next slide answers the question: What hour of the day do the riders commute the most?

The answer is the most active hours are between the rush hours i.e. 7am - 9am and 4pm - 6pm.

Trips every hour of the day

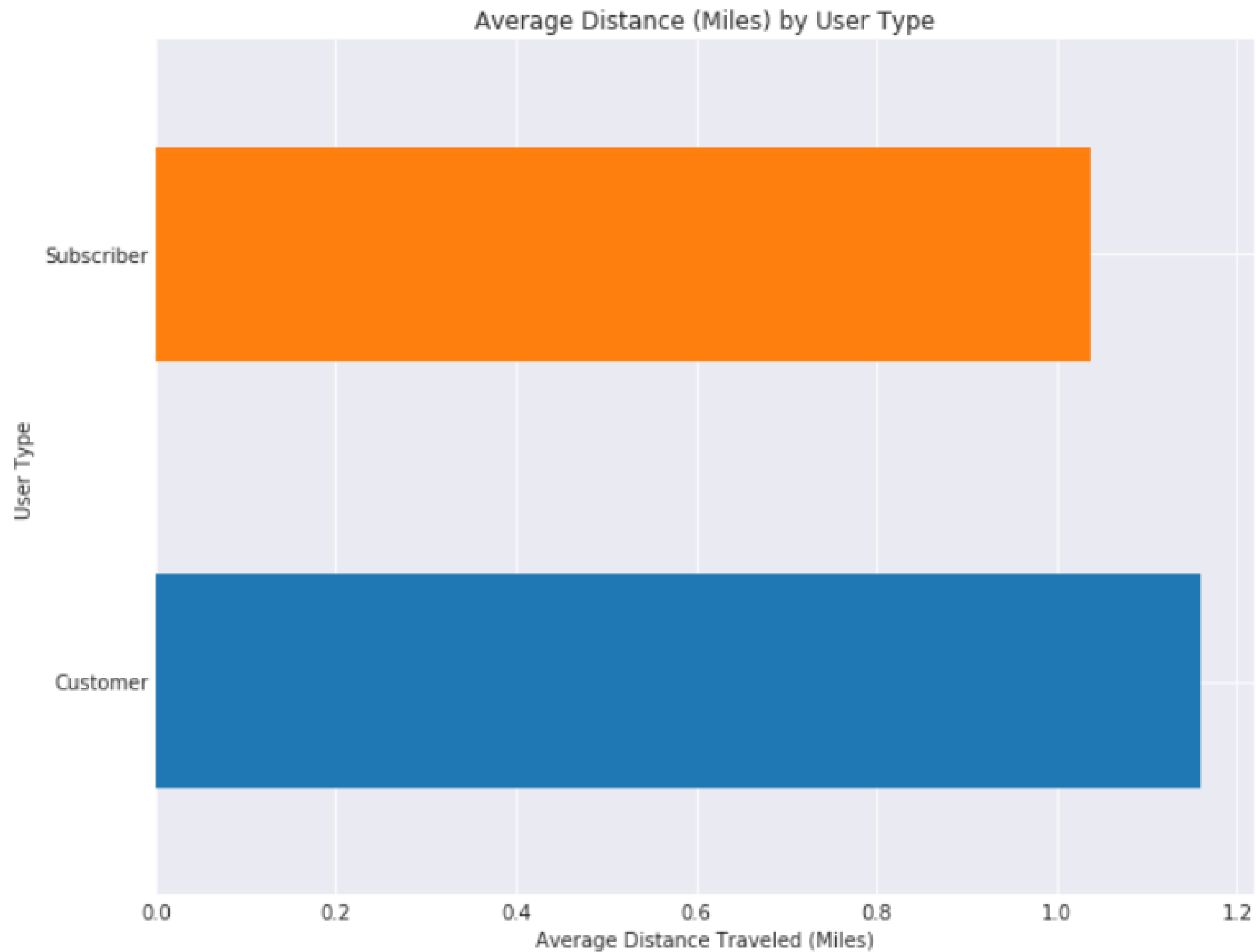


Visualization on Bivariate Exploration

Bivariate exploration deals with the distributions between two variables.

The example cited in the next slide answers the question:
What is the ratio of customers to subscribers in relation to the average distance of the trips.

The answer is there are more customers than subscribers.

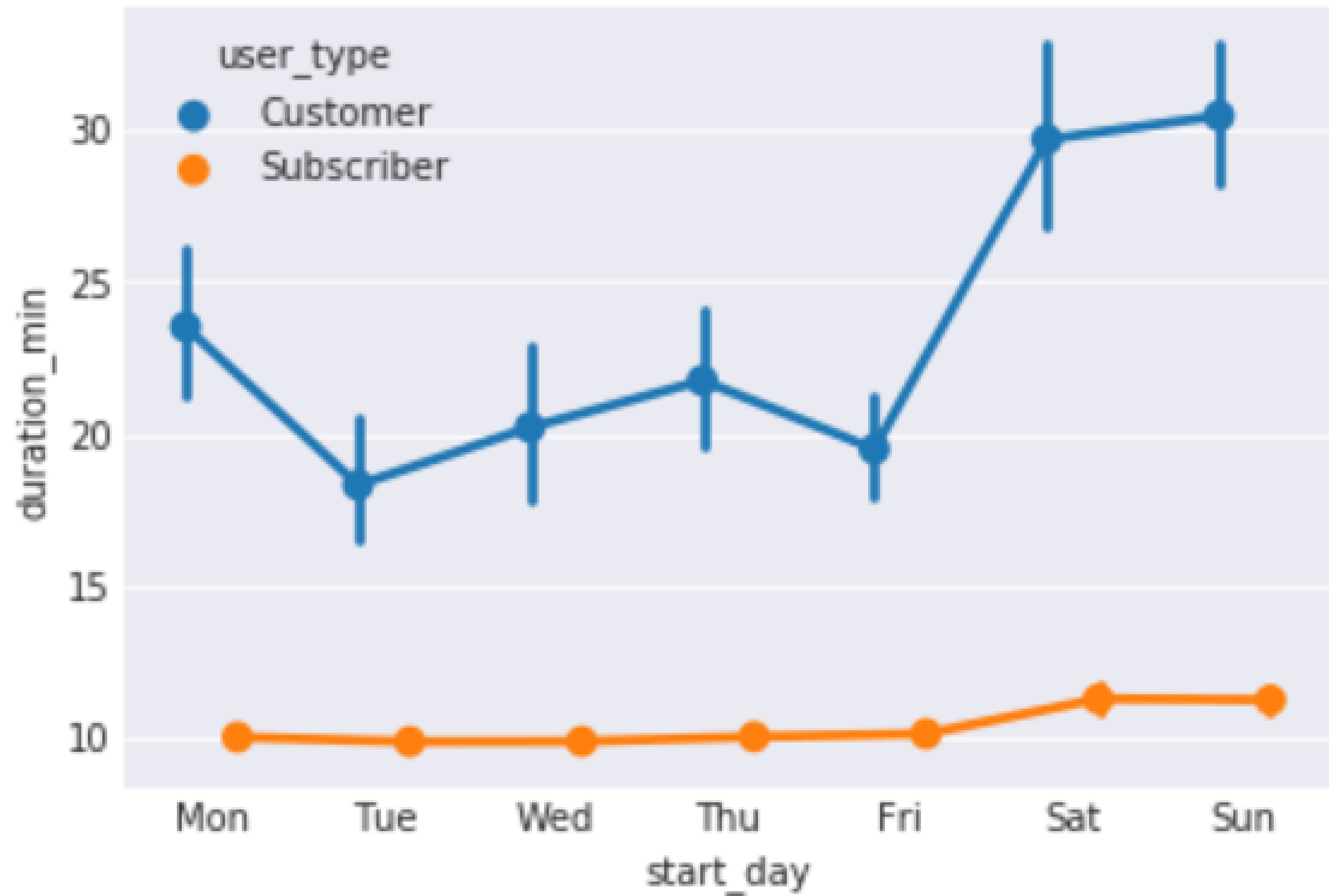


Visualization on Multivariate Exploration

Multivariate exploration deals with the distributions of three or more variables.

The example cited in the next slide answers the question:

The answer is





Thank you!