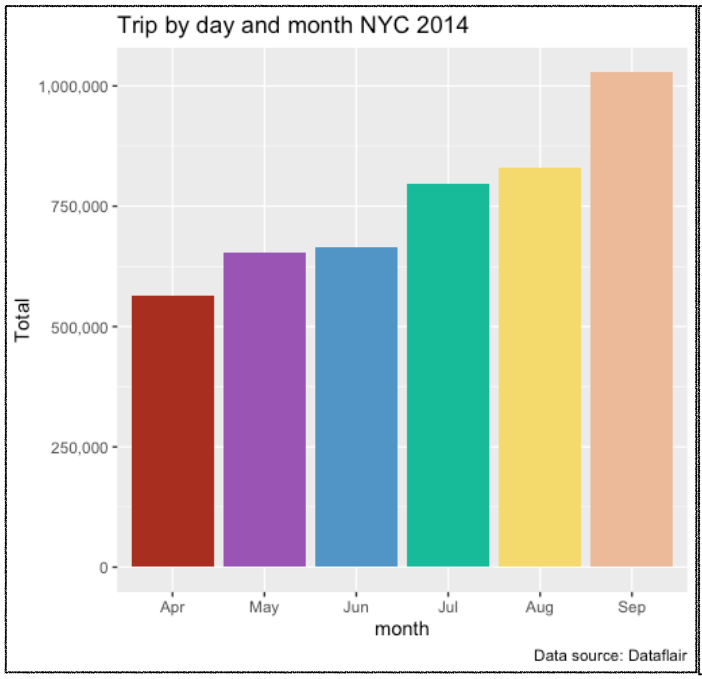
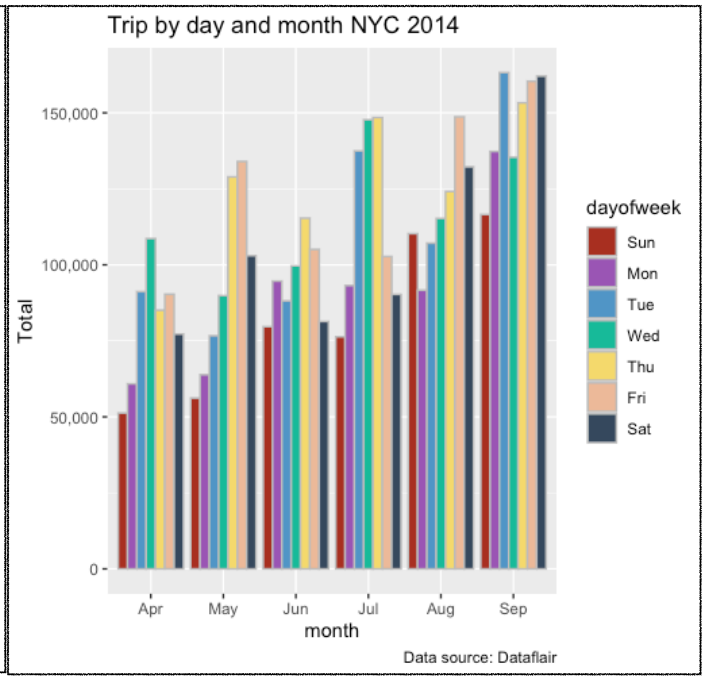
Uber Data Visualization

This project provides an understanding of the data visualization concept using libraries such as ggplot2, dplyr, tidyr, and DT. I will be using the Uber Pickups in New York City dataset that contains the Base, time, date of the Uber Pickups from April to September in 2014, New York City dataset.

Below is the analysis base on the result from generating the graphic representation of data

Figure 1: A histogram displays the total number of trips by month and day of the week





September has the highest number of trips compared to other months. Additionally, most of the trips were on Tuesday, Friday, and Saturday. Several factors may affect the total number of trips during September. For example, many universities open during early September, and the total number of Uber trips may increase as international and local students migrate around New York City to move back to colleges

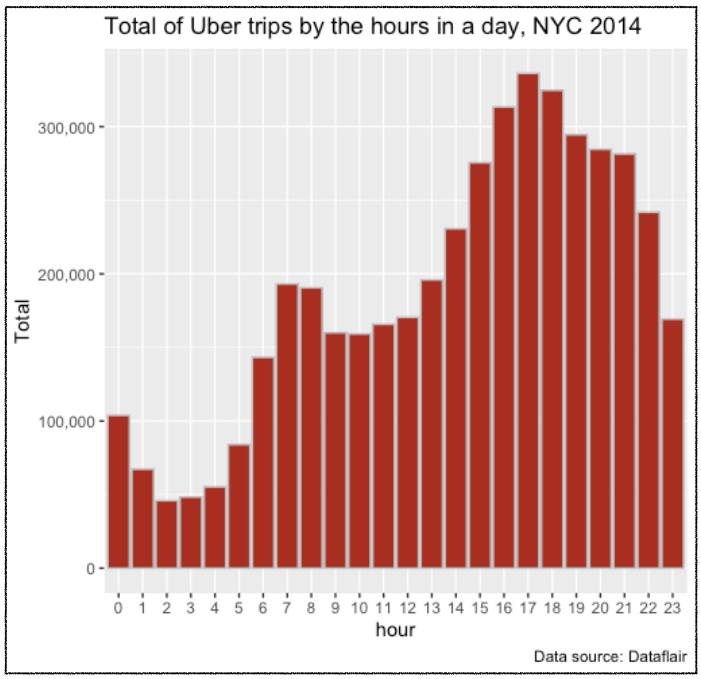
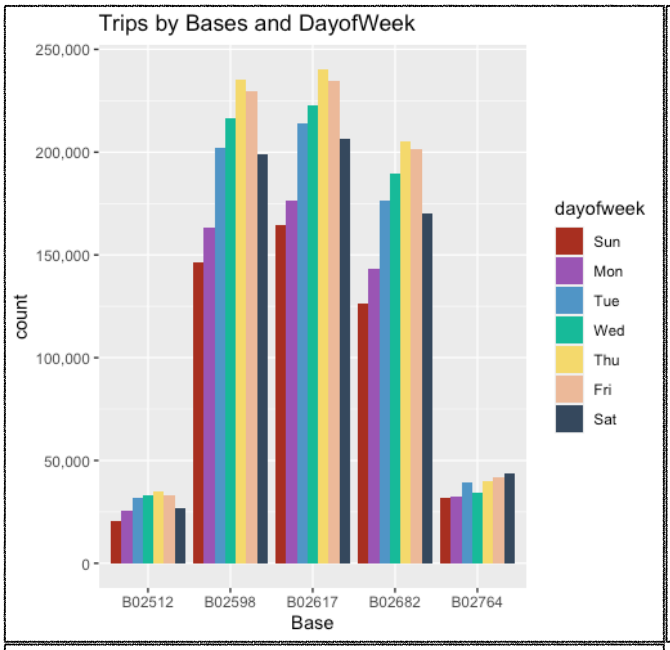


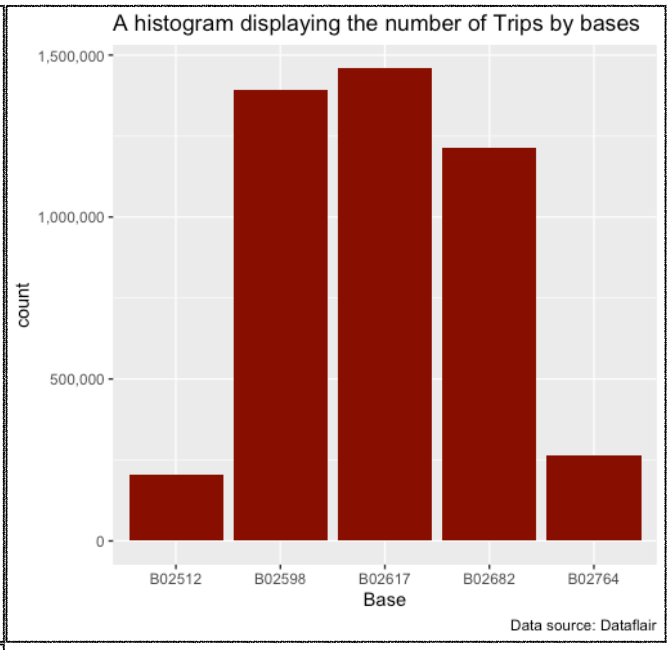
Figure 2: A histogram displays the total number of trips by hours

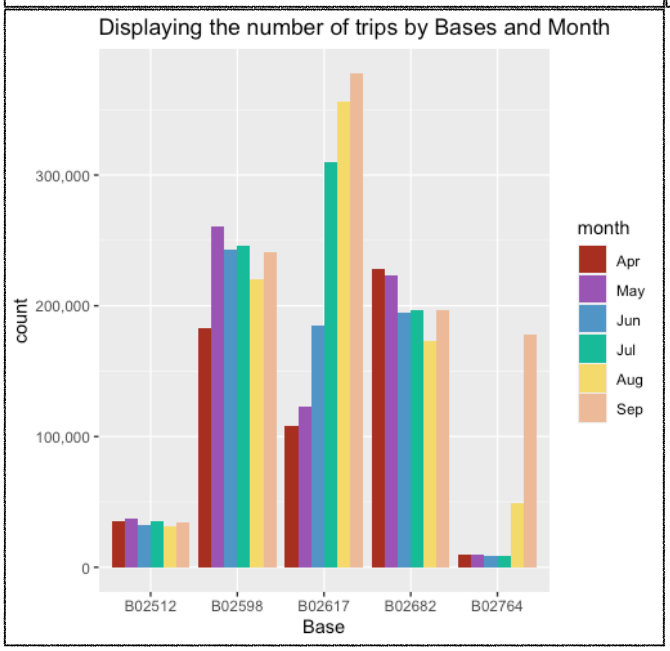
Figure 2 illustrates most of the trips occurred during the busy hours around 5 to 6 pm. Many workers often off work and commute back home during these hours, and many increase the total trips. Moreover, the

hour around 7 to 8 am has the highest total number of trips during the early morning hours. This high number of trips may also link to the fact that many works are commuting to work

Figure 3: A histogram displays the total number of trips by bases







There are five bases in the dataset, and base B02617 has the highest total number of trips. This base operates at the Lower Eastside neighborhood. Base B02764 has the lowest number of trips, and this base operates at the Chelsea and Clinton neighborhood.

References:

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