

## Group Information for Draft 0

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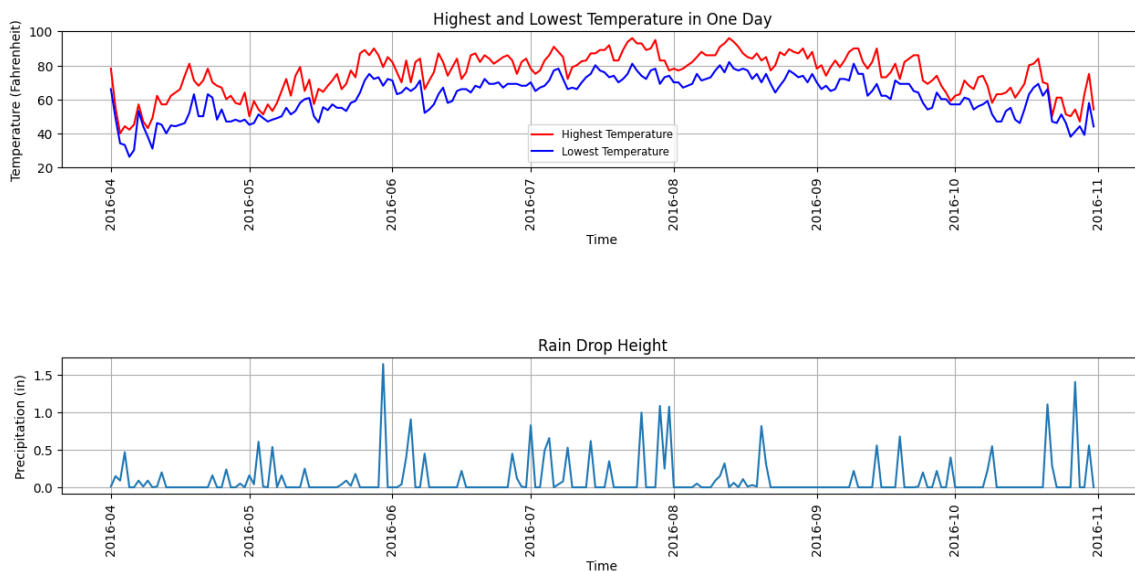
**Path:** Path 1 Bike Traffic

### Description of the Dataset:

The dataset that we will be working with includes various variables that provide specific details on the bike usage across four bridges in New York City. We will be using variables for the date, the day, the highest and lowest temperature in Fahrenheit, the amount of precipitation in inches, and the bike usage at each bridge. The dates and day will help us keep track of a timeline of events. The temperatures can identify the weather and determine if it was a warm, cold, or neutral day. The amount of precipitation signifies whether it was rainy or not, which can help determine the amount of bike usage at the bridges. The usage at each bridge varies from each other, but the Williamsburg Bridge stands out from the others due to its significantly larger usage.

**Figure 1**

Temperature and Precipitation



The top graph labeled 'Highest and Lowest Temperature in One Day' displays the difference in the temperature variables in the city of New York based on a time scale between April 2016 to November 2016. The lower graph labeled 'Rain Drop Height' measures the amount of precipitation in a day and represents the rain variable. The temperature rises during the Summer

and settles down in the Fall. Somehow, there's a significant amount of precipitation during the month of June.

## Figure 2

New York City Bridges Bike Usage

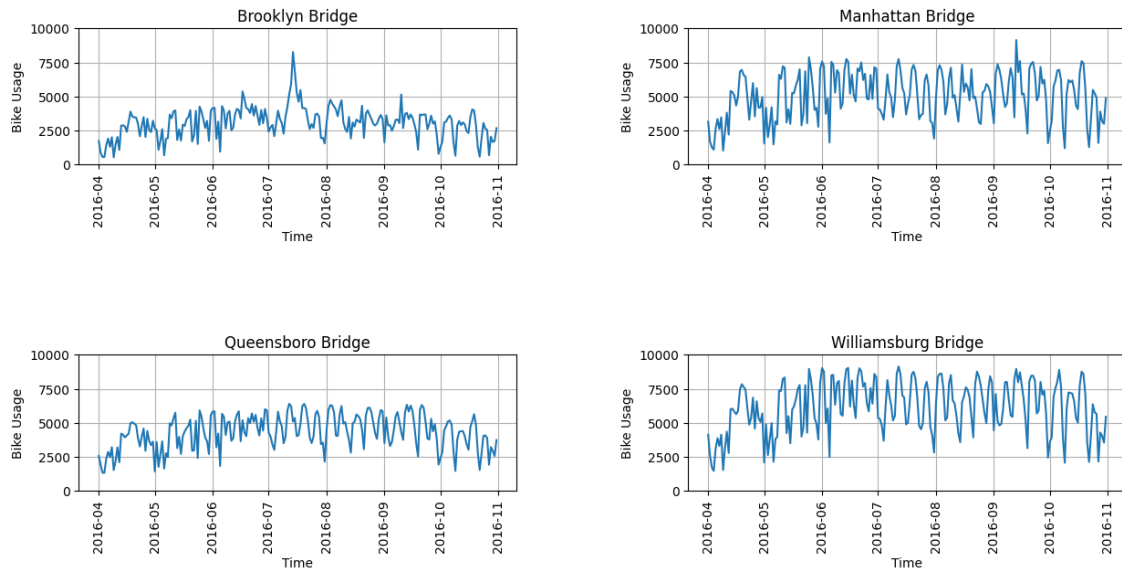


Figure 2 displays the bike usage across four bridges that are located in different areas. Each graph represents a variable according to its name. The Williamsburg Bridge appears to have the largest amount of bike usage with consistency over the 7-month period. The Brooklyn Bridge shows the lowest amount of bike usage amongst the other bridges, but spikes up during the months of July and August, perhaps due to traveling visitors. Manhattan and Queensboro Bridge are both consistent with its bike usage, however, Manhattan does have slightly more usage than Queensboro.