Write up for Module 18

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There are several findings to take away from the citibike data from April 2023. In Manhattan, a highly trafficked end station is at W 21st and 6th Ave, where 7,531 rides ended in April of 2023. Throughout the afternoon and evening, between 5:00 and 6:00PM is the most popular times for a ride, with 456,066 rides in the month of April, 2023 taking place during that time. Throughout the evening, average distance falls, perhaps implying people take more rides for leisure after 5:00 or 6:00PM. However, this amount climbs again between 10PM and 12PM, suggesting people ride for transportation over leisure at those hours.

Throughout the month, riders rode the farthest distances April 16th and April 22nd, which were both weekend days. The trend lines for amount of rides and distances are pretty similar by day between electric and classic bikes, suggesting that people do not adjust their plans very much based on whether they are on an electric bike or a classic bike. There is a big drop in classic or electric bike use at the end of the month, suggesting that there may have been poor weather the last week of the month,