

Data Visualization Project 3. Creating dataviz

Use the following slides to collect the data visualizations that resulted from your exploratory data analysis. Note that this presentation does not need to be stylized in any way, it is simply a way to submit the visualizations. However, your visualizations should strictly adhere to the rule of good dataviz discussed in lecture: sophisticated use of contrast, clear meaning, and refined execution.

All the data vizzes are uploaded in the google drive.

Link: <https://drive.google.com/file/d/14QaAJDCHuRDwMCgDm1AzPOA3fjjq3vUX/view?usp=sharing>

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Distribution of Divvy Rides among Casual Riders and Members

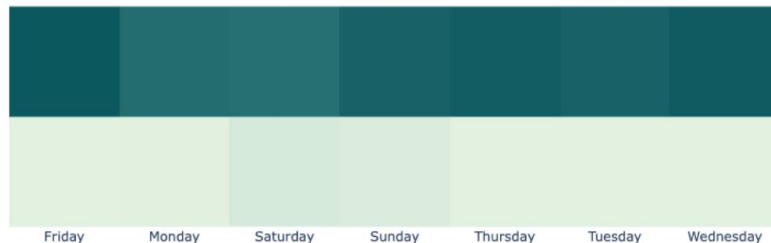
Average Weekly Divvy Rides for Casual Riders and Members



Divvy Rider Type (heat map)

Casual

Member



Casual Riders: Friday's and Wednesday's are the busiest - an average of 3773.835 miles and 3718.66 miles respectively

Member Riders:

Surprisingly, members use Divvy bikes more on Saturday's - on a average distance of 968.933 miles followed by 919.974616 miles in Sundays.

Source: divvy_station_master_data_201909-202108.csv

Ride Duration (color intensity)

3500

3000

2500

2000

1500

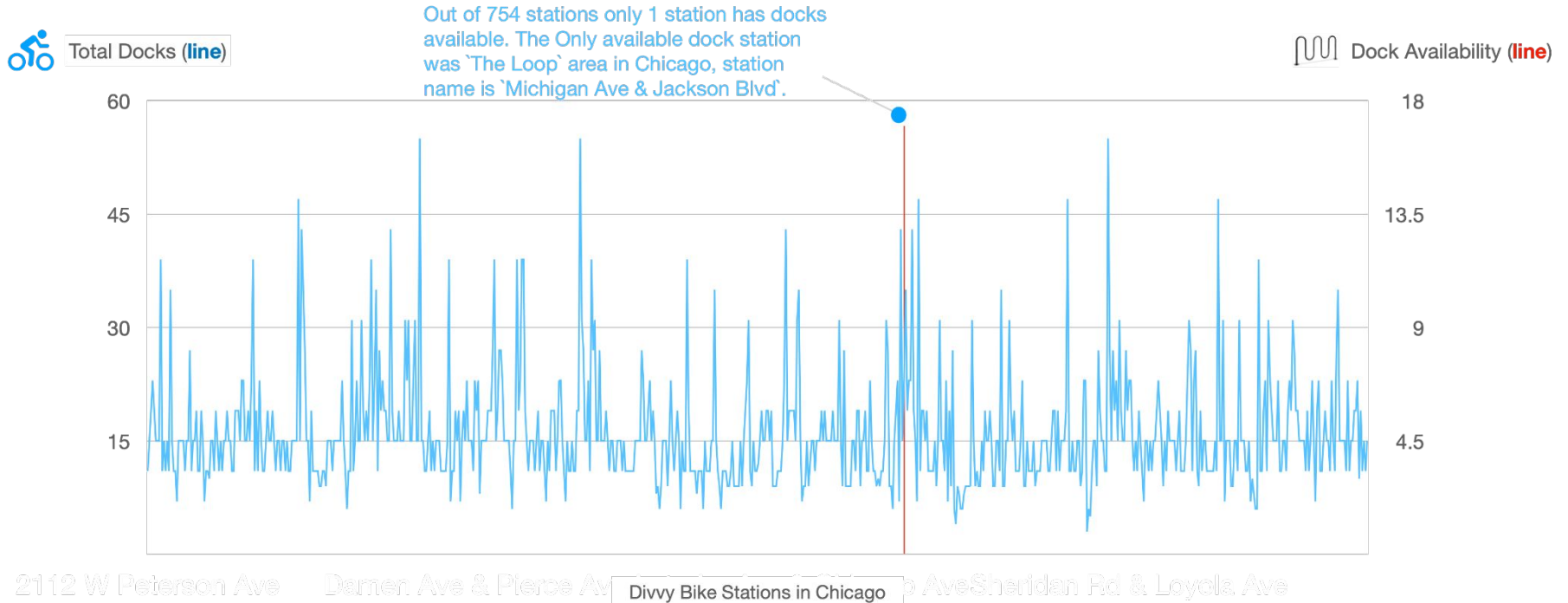
1000

Ride Duration (lowest)

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Shortage in Divvy Docks across Divvy Bike Stations

Analyzing the Total Docks and the Availability of Docks across Divvy Stations

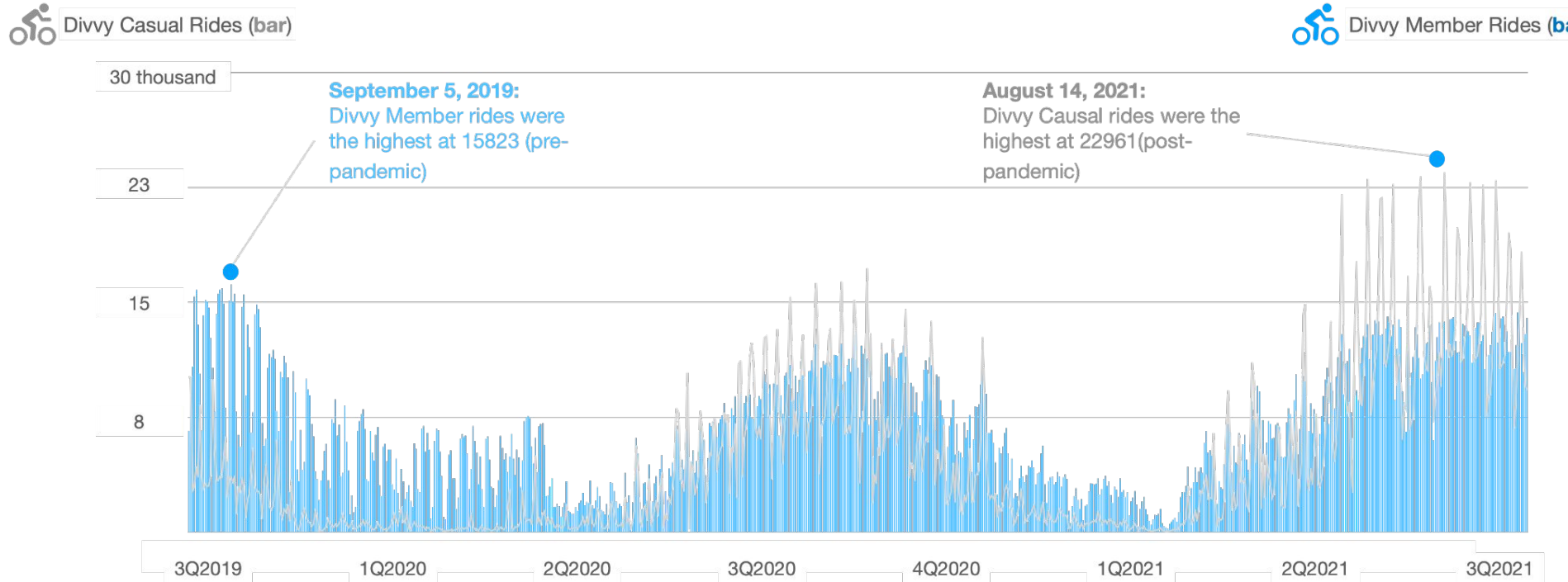


Source: divvy_station_master_data_201909-202108

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Impact of pandemic over Divvy riders - Casual vs Member Riders

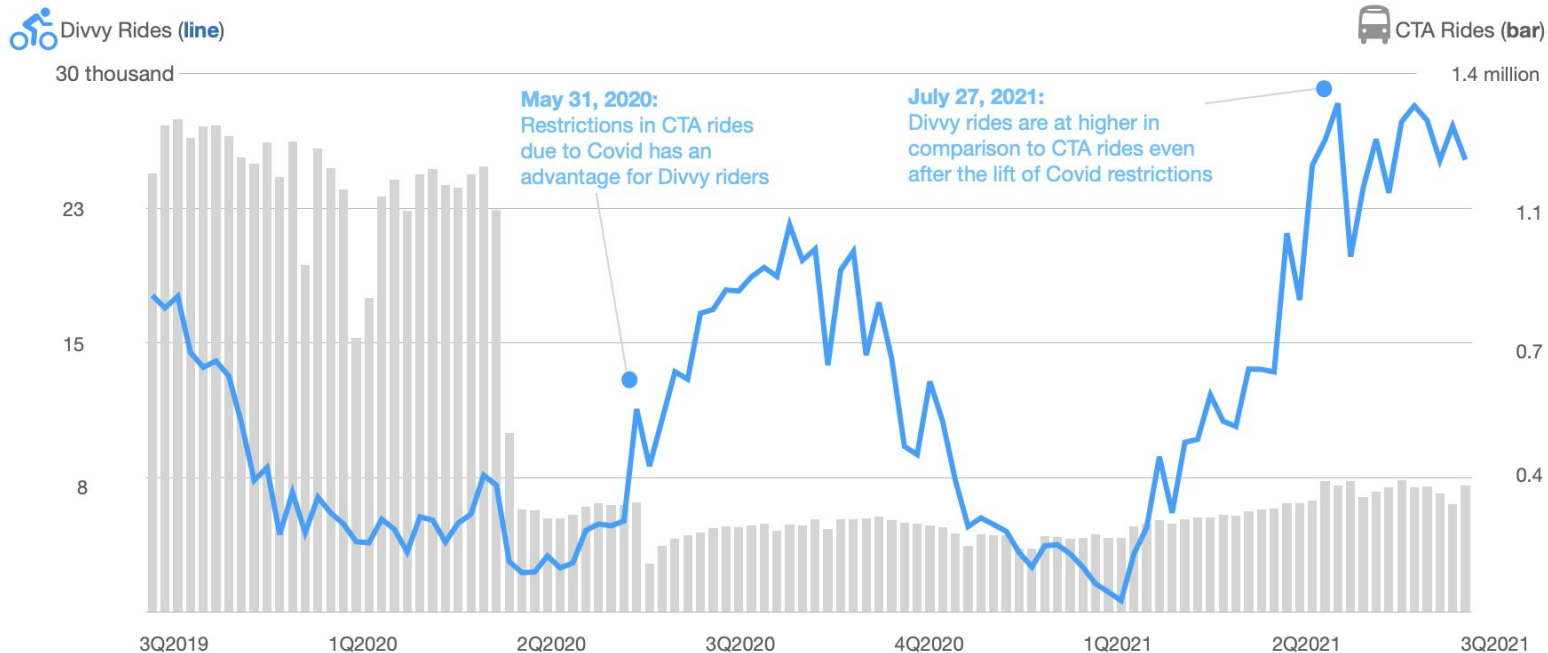
Average Yearly Divvy Casual Riders vs Divvy Member Riders



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Post pandemic behavior affect Divvy demand and CTA Rides

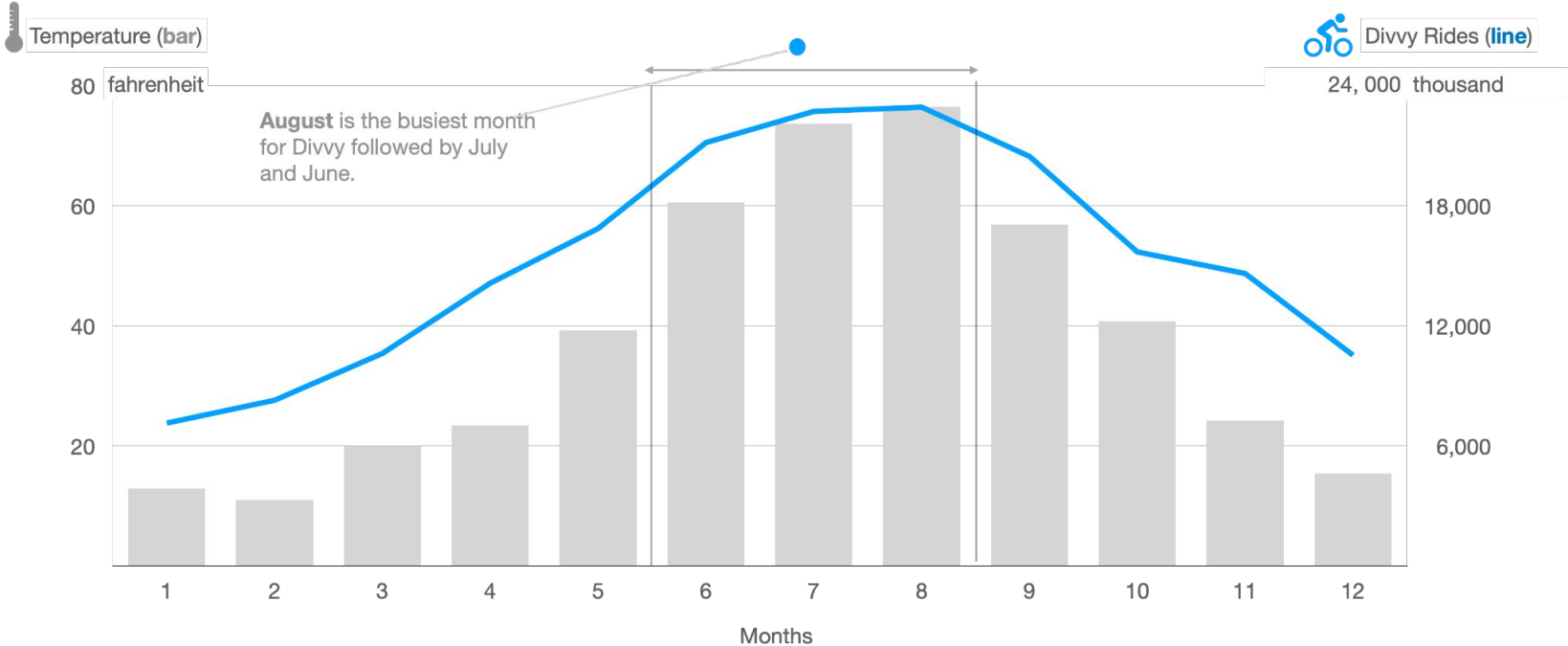
Average Weekly Divvy and Chicago Transit Authority (CTA) Rides



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Effect of weather on Divvy Rides over the Months

Average Monthly Divvy Rides vs Temperature in Fahrenheit



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Possible outcome of park events over Divvy rides

Average Yearly Divvy rides and Park Events



Divvy Rides (line)



Park Events (bar)

