

Data Visualization Assignment 3. R / Python visualization

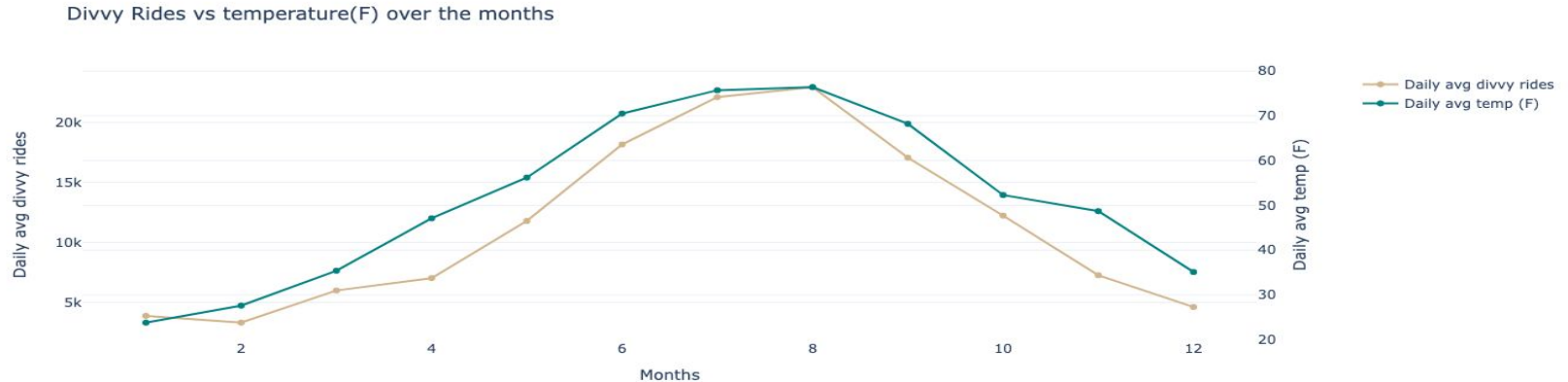
The below visualization shows a trend in the casual and members of Divvy over the duration Oct 2019 through Jul 2021. We have 2 types of casual riders - single day and hourly riders.

Trend - Casual Vs Member Divvy Rides (2019-2021)



The below visualization shows a Divvy rides over the months

There is a strong `positive correlation` between temperature and the Divvy rides. `August` seems to be the popular month for bikers and `January` being the least favorite months for Divvy bikers in Chicago. With the adverse weather in Chicago, the data clearly communicates the trend in the Divvy bike usage over the months.



The below visualization shows that over the years bus & rail rides are widely used than Divvy rides. We see that until 2019, the bus/rail transportation was widely used and the Divvy rides were less in usage in comparison. We see a huge shift from April 2020 through 2021. This seems to be the effect of pandemic where public transportation was avoided or preferred for safety.

