

This is the “**Dock Availability Chart**” at different Divvy stations across Chicago. That is, we’re going to explore the data provided to see if Divvy needs to increase it’s inventory at any stations or Divvy already has surplus number of docks across stations. Let’s find out!

I used the the Divvy station master data from 2019 September - 2021 August. The blue lines represent the Divvy ‘Total docks’ and the red lines represent ‘available docks’.

From the chart, it is evident that there is a shortage in Divvy docks across stations. It is hard to find such minute details when just analyzing the reports across multiple spreadsheets.

Let me walkthrough some interesting findings:

We’ve analyzed data from 2019 September - 2021 August and there were 754 rows.

Out of 754 stations, only 1 station has docks available. The only station where the dock station was available was ‘The Loop’ area in Chicago, station name is ‘Michigan Ave & Jackson Blvd’.

There were a total of **17 docks available**. Do we have enough traffic of Divvy bikers in “The Loop’ area? Can we transport some of these docks to some other locations where the traffic is more to address re-balancing. These are some of the factors we, as a team needs to evaluate and take necessary action.

We also need to note that, this is data under consideration is before, during & after pandemic and the dock inavailability in many stations are due to the fact that Divvy rides have increased significantly during/post pandemic.

By exploring this visualization, we see that surge in Divvy rides has led to shortage in Divvy docks availability across Chicago and this needs to addressed promptly to reduce customer churn.