**Executive Summary**

A year over year analysis from 6 major Bike Share Markets in the US from January 2019 to April 2021 to study the impact of COVID overall bike share riders. This analysis will also consider changes in weather during this time period.

**Motivation**

My main form of transportation during my 11 years spent in Chicago from 2004 to 2015 was a bicycle. Having read articles on how DIVVY ridership was up due to COVID, I was curious about how COVID effected other bike share markets as well

**Data Question**

How has COVID impacted bikeshare ridership overall

Is weather impacting these results?

What other factors may have lead to a change in ridership

**Minimum Viable Product (MVP)**

The final capstone should include:

* Bar charts showing rider ship for each major
* Comparisons of each major city as effected by the COVID outbreak

The audience is anyone who is interested in bikeshare or those interested in COVID’s overall economic impat

**Schedule (through June 29th)**

1. Get the Data (May 14th)
2. Clean & Explore the Data (May 26th)
3. Create Presentation of your Analysis (June 28th)

* Should be a presentation, but could include a Jupyter Notebook or dashboard in Excel, Tableau, or PowerBI

1. Internal demos (June 26th)
2. Demo Day!! (June 29th)

**Data Sources**

[LA Metro Trip Data](http://bikeshare.metro.net/about/data)

[Chicago Divvy Trip Data](http://divvy-tripdata.s3.amazonaws.com/index.html)

[San Francisco Bay Wheels Trip Data](http://s3.amazonaws.com/baywheels-data/index.html)

[Portland PDX Biketown Trip Data](http://s3.amazonaws.com/biketown-tripdata-public/index.html)

[NYC Citi Bike Trip Data](http://s3.amazonaws.com/tripdata/index.html)

[Washington DC Capital Bikeshare Trip Data](http://s3.amazonaws.com/capitalbikeshare-data/index.html)

**Known Issues and Challenges**

Too narrow a focus.