This project aims to identify the effects of the COVID-19 pandemic on Capital Bikeshare ridership in Washington, DC.

The following steps are necessary for completing this analysis:

1. Download Capitabl Bikeshare (Cabi) data for January 2019- July 2020
   1. https://s3.amazonaws.com/capitalbikeshare-data/index.html
2. Download DC-VA-MD COVID-19 rates data
   1. Reformat into one comprehensive database
      1. DC: https://coronavirus.dc.gov/page/coronavirus-data
      2. VA: https://data.virginia.gov/Government/VDH-COVID-19-PublicUseDataset-Cases/bre9-aqqr
      3. MD: https://coronavirus.maryland.gov/datasets/mdcovid19-master-zip-code-cases
   2. Get only cases in DC suburbs, as defined by https://namecensus.com/igapo/zip\_codes/metropolitan-areas/metro-zip/Washington%20(DC-MD-VA)1.html
3. Compare year-over-year Cabi data for January – July (2019 to 2020)
4. Plot COVID data and Cabi data side by side
5. Conduct test for Grangers causality on COVID-Cabi data