

README

Purpose of Each File:

covidFunctionJP.py - Author (JAY) - Function that displays a graph of deaths per Maryland county in relation to COVID-19.

covidFunctionJP2.py - Author (JAY) - Function that displays a graph of positive cases per Maryland county in relation to COVID-19.

Maryland-covid.csv: Contains data of COVID-19 in relation to Maryland counties, used in covidFunctionJP.py and covidFunctionJP2.py

Covid_graphs.py - Author (Terrell) - Function that displays a graph comparing the relationship between people that have recovered from covid and people that have died from covid in Maryland

Maryland-covid.csv (Terrell) - Contains maryland covid data used in covid_graphs.py

Covid_death.py - Author (Gerald) - First class contains a function to read in the data file, creates a new dataframe and plot for deaths per state, and the second class parses the number of deaths by county by using regular expression and creates a new list containing deaths per county.

umdCounty.txt - Author (Gerald) - contains data for the number of covid deaths for each County in Maryland.

Covid-states.py - Author (Alan) - File that contains the State class and the functions/methods to generate a bar graph depicting the total number of COVID-19 cases for each state, and display a Dataframe of the states with the most cases. The file is ran directly without any command line arguments, as long as the us-states.csv file is in the same directory.

us-states.csv (Alan) : Contains the COVID-19 data for all U.S. states that is passed as an argument into the bar_graph and top_state_cases functions.