

Data Scraping Report:

To collect the data for the data scraping module we first had to use the requests library to get access to the websites URL. Once we had access, we used the BeautifulSoup library to convert the websites HTML to an easy to ready tree of Python objects. We then looped through the worldometers website table of information to find all the headers and we used the pandas library to create a data frame. Once we had the data frame with the headers, we looped through the website to fill the data frame with all the statistics for every country. We then dropped all the unnecessary statistics from the data frame and we retrieve the data for the country of interest. We then save the data for the specific country with the current days date as a json file.

The json file is formatted with 5 main keys. "Country,Other", "TotalDeaths", "NewDeaths", "Deaths\1M pop", and "New Deaths\1M pop". After these main keys there is a sub key to access the remaining information. That subkey is a number that corresponds to the index of the specific country from the total list of countries. The sub key changes depending on the country chosen in the function.