

Assignment 7PAM2000 Applied Data Science 1

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Introduction : The coronavirus disease 2019 (COVID-19) pandemic started in late 2019. Coronaviruses are a large family of viruses that are known to cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). A novel coronavirus (COVID-19) was identified in 2019 in Wuhan, China. People developed pneumonia without a clear cause and for which existing vaccines or treatments were not effective. Transmission rate (rate of infection) appeared to escalate in mid-January 2020.

In this report, a public data set, Covid 19 will be used. Trends and many other relevant information will be examined.

1.1 figure 1: This bar chart displays the total covid information grouped by the World health organization regions.

Observation: America region had the highest confirmed cases and the highest recovered cases.

1.2 Figure 2: This plot shows the covid data of all African countries in the data set.

Observation: South Africa suffered the hit most, while in Mali, the difference of confirmed cases is slightly greater than recovered cases hence, the virus was well managed.

1.3 Figure 3: It displays the Plot choropleth map showing the recovered cases by WHO Regions. When the map is played, it shows the information by country.

