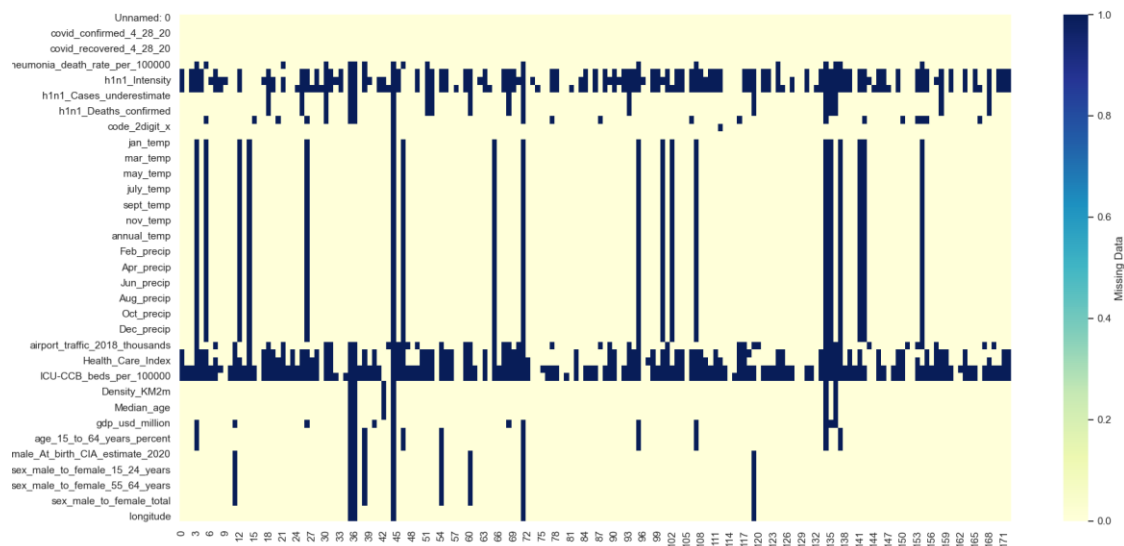


Sikandar Hayat Data science intern

Covid 19 data Preprocessing, Analysis & Visualization

1. Explore all the features of Matplotlib library explained in resources provided.
2. Plot various charts which will convey maximum information about the data set.
3. Use a minimum six different type of graphs to convey the information.
4. Label the x-axis, y-axis and give suitable titles, wherever applicable.
5. Change the color of graphs, don't use more than 6 different colors.
6. Annotate the graphs. Put at least 2 annotations.
7. You can use Seaborn library for plotting as well (Your Choice)
8. Explore the figure size change option. Change the figure sizes.
9. You can also display the information in the form of a dashboard(the one I showed you!).
10. If nor GridSpec function is used, copy paste all the charts, and make a report of those charts, conveying a kind of story about the data set.

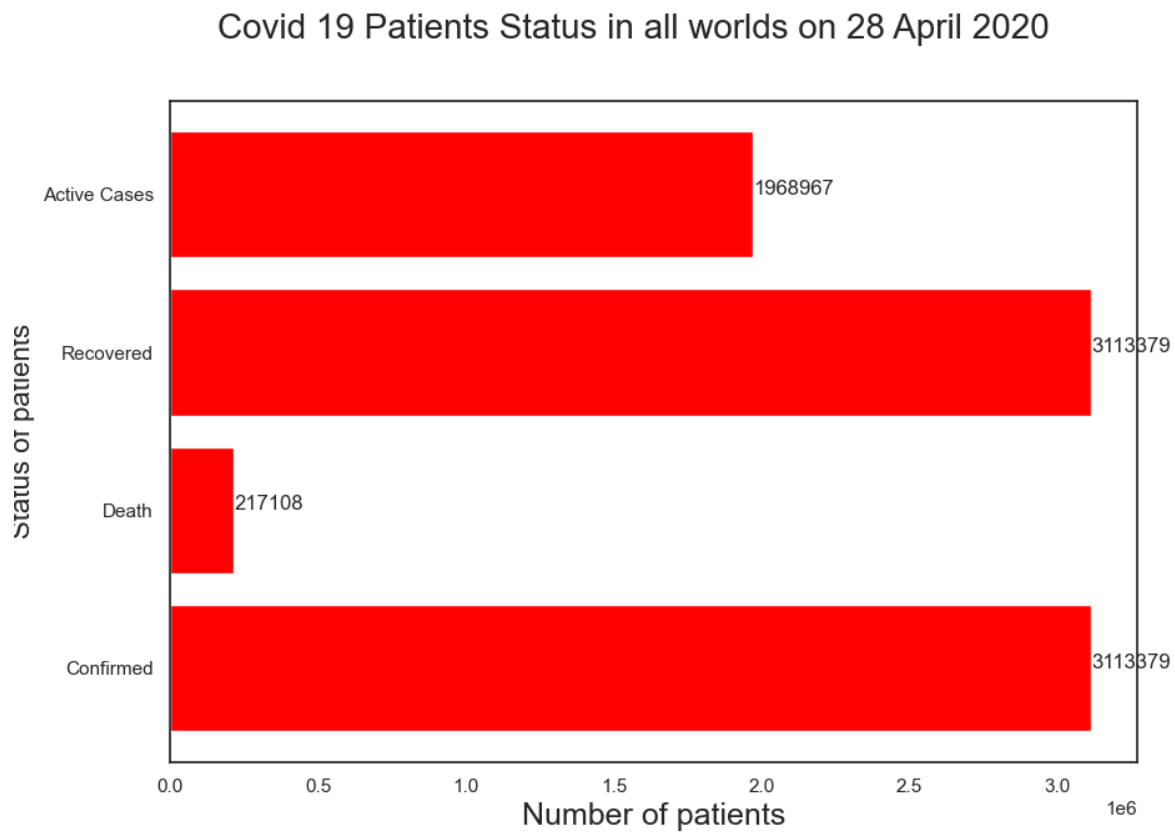
See the null values using heat map



After cleaning the data set:



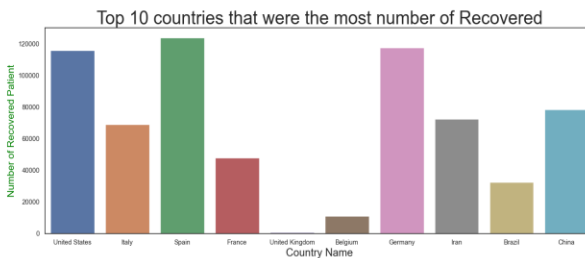
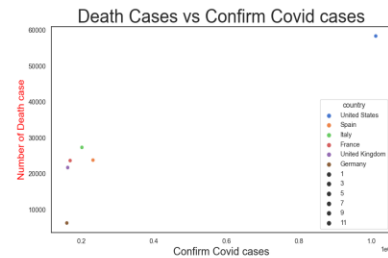
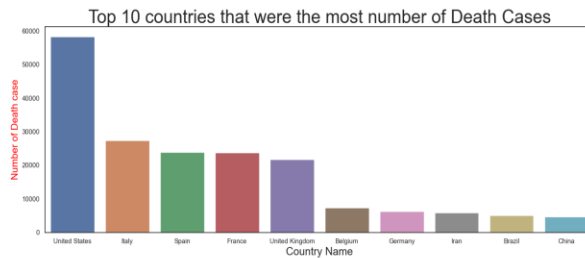
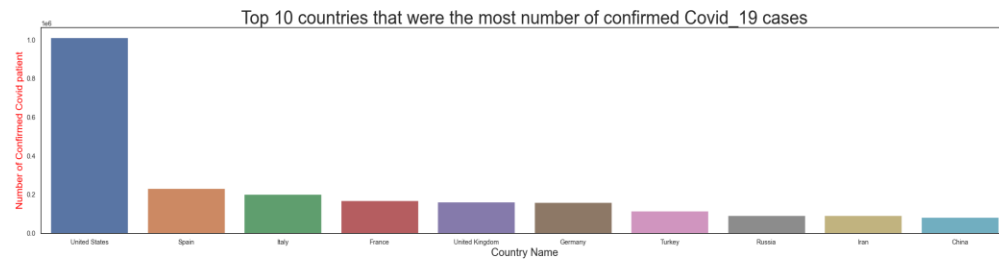
Covid 19 Patients Status in all worlds on 28 April 2020



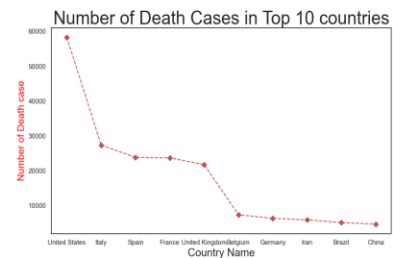
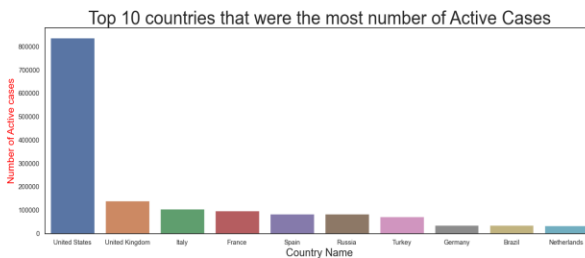
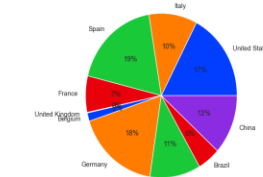
	country	covid_confirmed_4_28_20	covid_deaths_4_28_20	covid_recovered_4_28_20	Active Cases
0	United States	1012582	58355	115936	838291
1	Spain	232128	23822	123903	84403
2	Italy	201505	27359	68941	105205
3	France	169053	23694	47775	97584
4	United Kingdom	162350	21745	813	139792
5	Germany	159912	6314	117400	36198

Dash board of 10 Countries that are Most affected by Covid 19 in all worlds on 28 April 2020

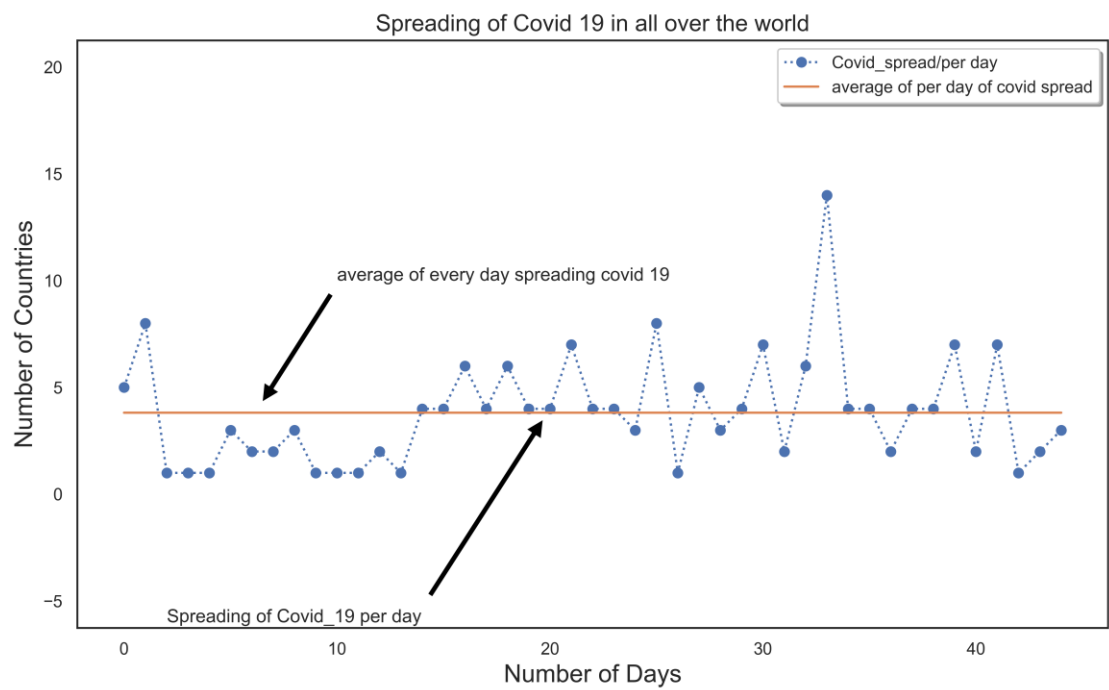
Dash borad of 10 Countries that are Most affected by Covid 19 in all worlds on 28 April 2020



Percentage of recovered patient in top countries.

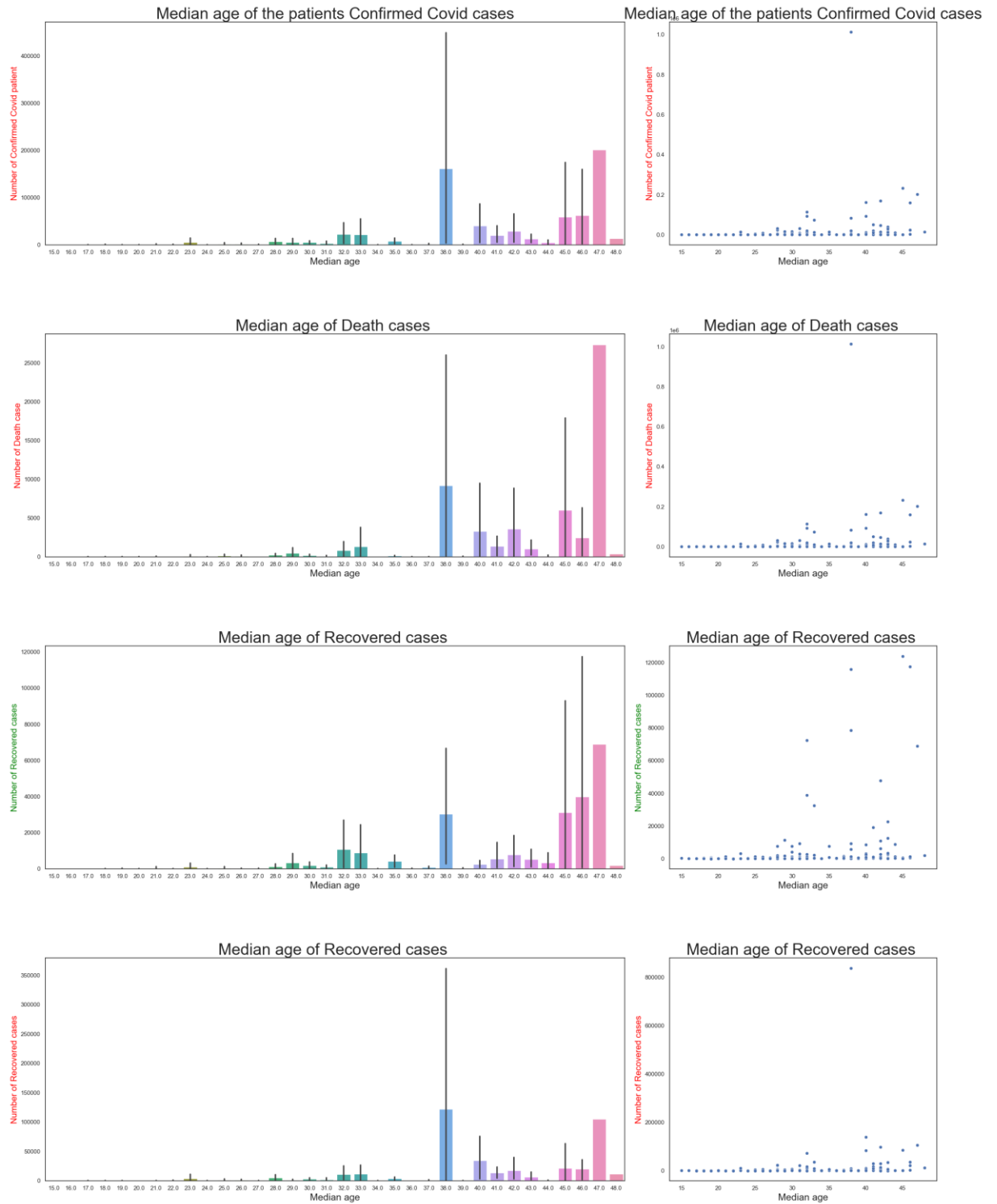


Analyzing of Spreading of Covid 19 in all over the world



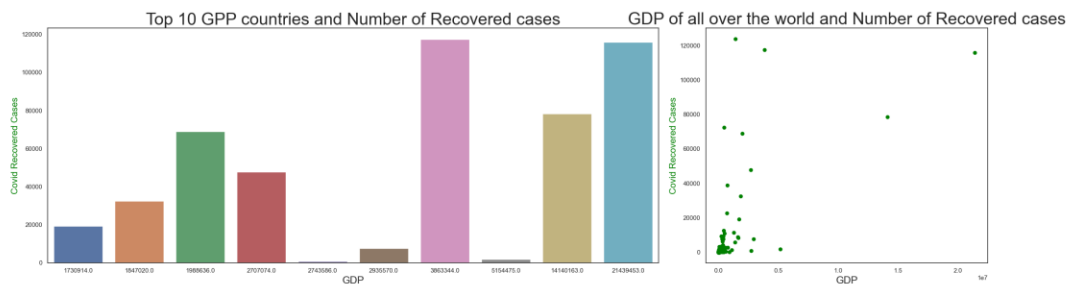
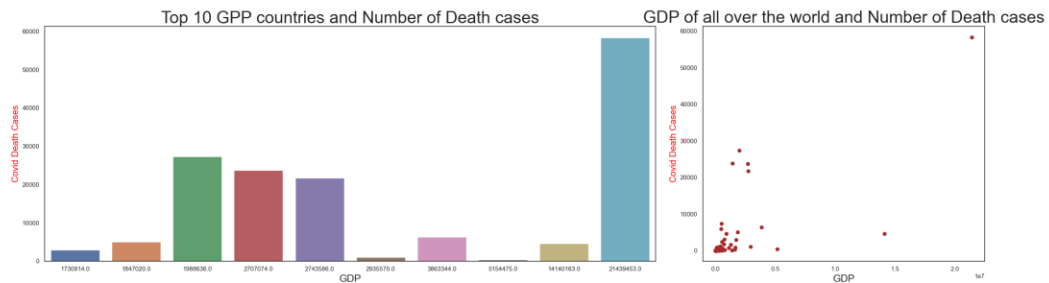
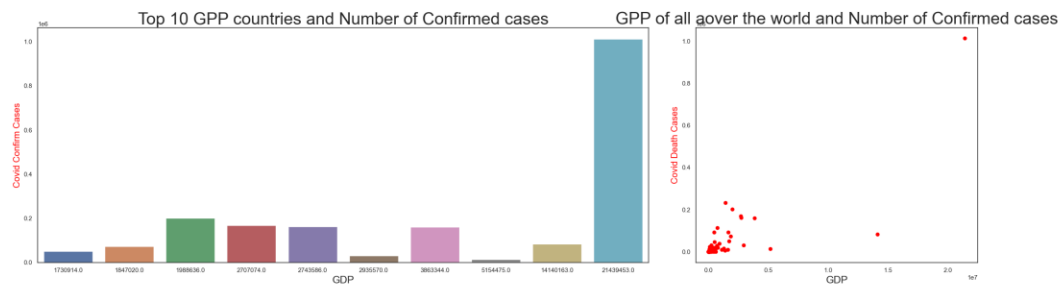
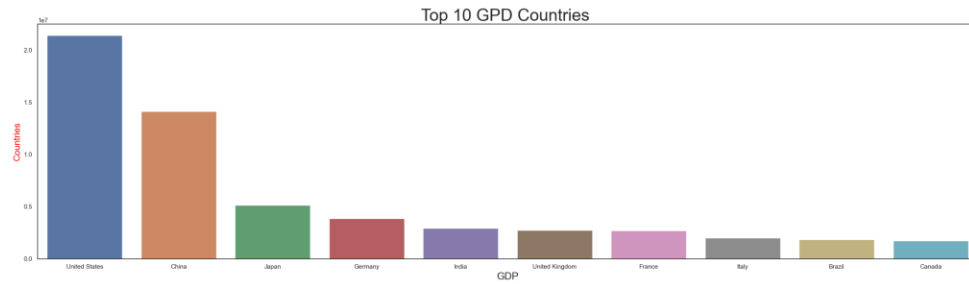
Median age of the patients was affected by covid 19

Dash board of Median age of the patients that was affected by covid 19



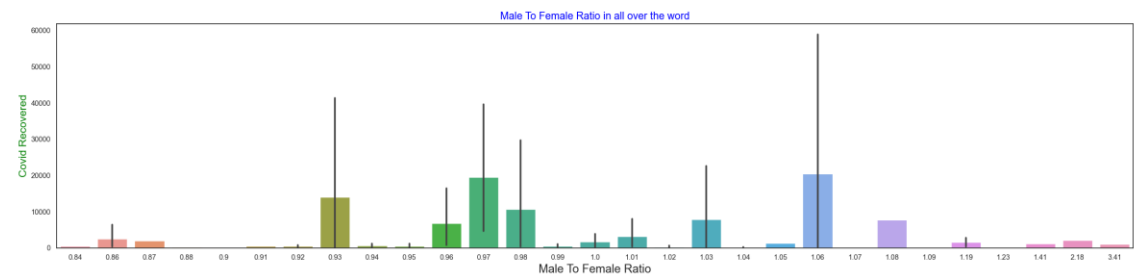
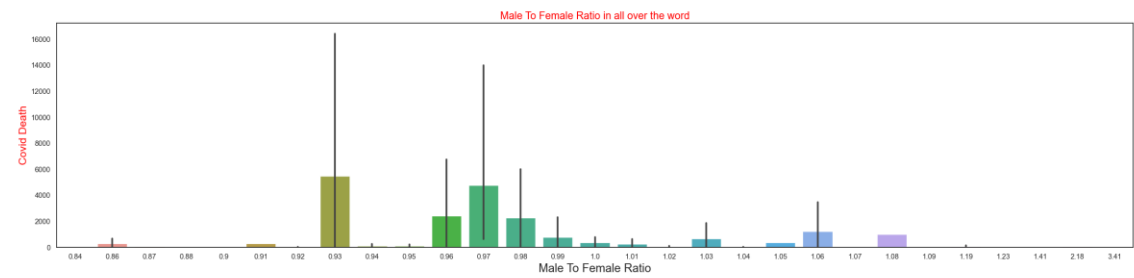
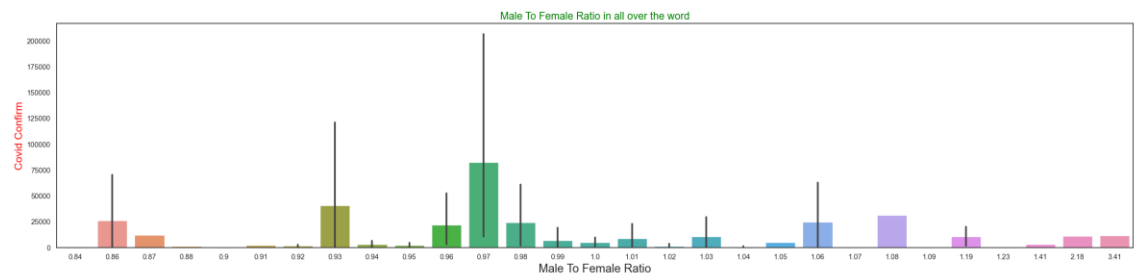
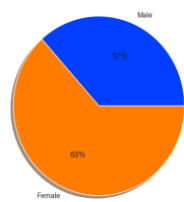
Top 10 GDP countries in their Covid 19 Patient

Dash board of countries GDP and covid 19 Patient

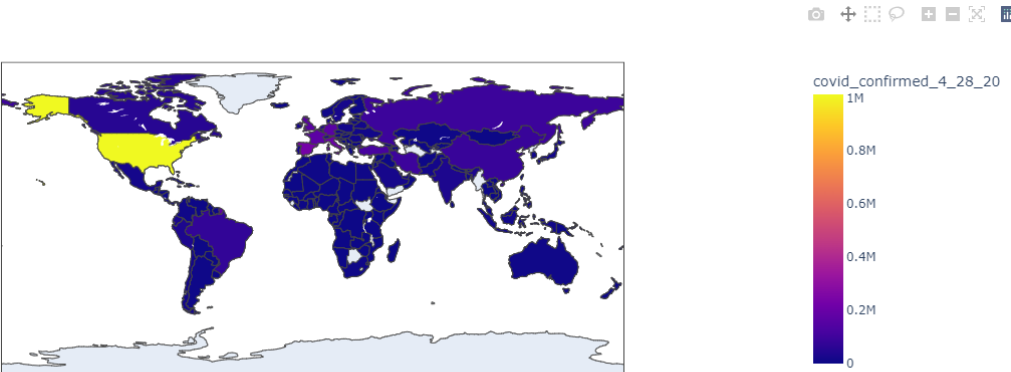


Male to Female Ratio

Male To Female Ratio in all over the word



Two Map of the word of Covid Confirmed cases



Word Map of Covid 19

