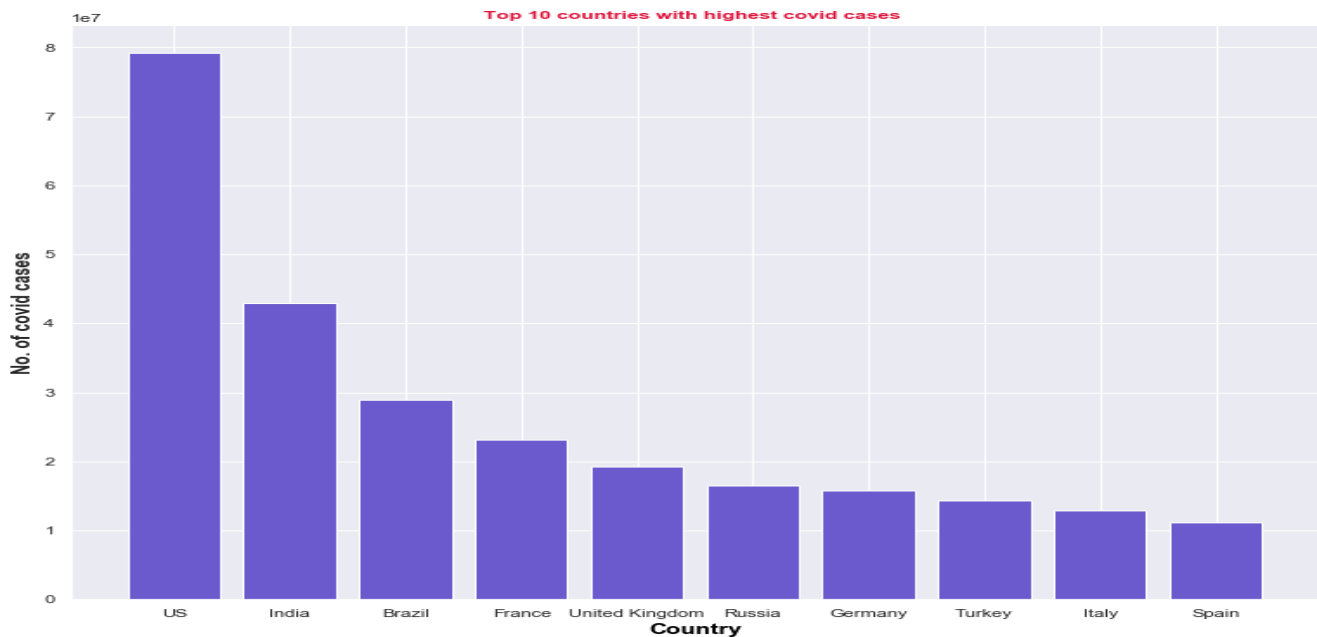


# Analysis of Covid-19 Global Data

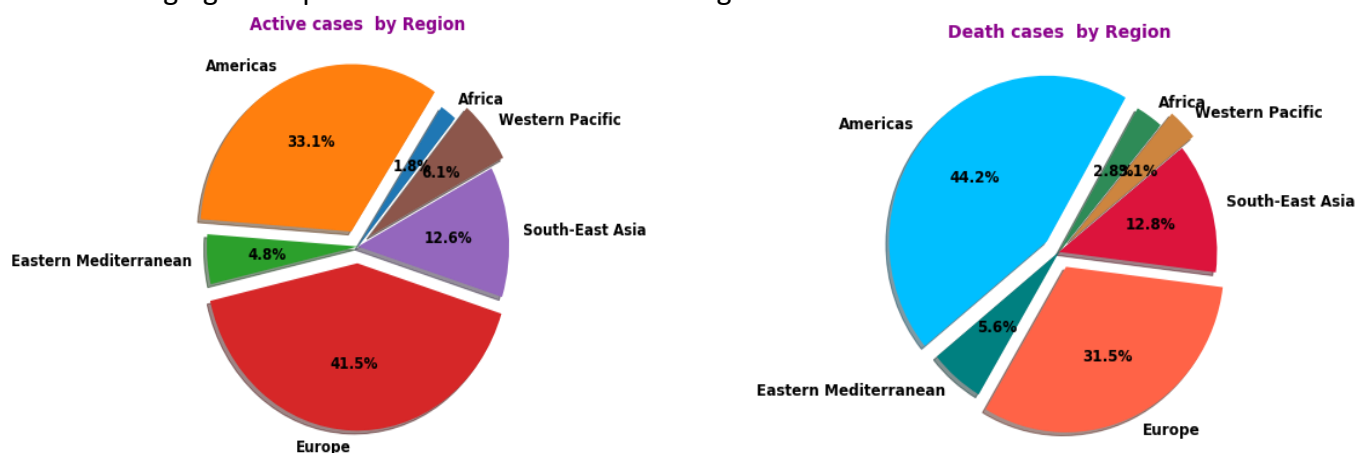
A new virus designated as SARS-COV-2(covid-19) was first identified in Wuhan,China.This new virus has spread very rapidly through human to human transmission.Transmission rate has started to escalate by end of Jan 2020.In this report I analyzed the global covid cases starting from 22<sup>nd</sup> January 2020 to 4<sup>th</sup> March 2022.The dataset used contains cumulative count of confirmed , active and death cases of all countries.

The first insight that is found from data is ,finding top 10 countries with most number of confirmed covid cases.



From the above figure we can see the barchart showing top 10 countries with highest covid cases. **US** has most number of covid cases followed by India ,Brazil,France and United Kingdom.

The following figure depicts the cases from different regions:

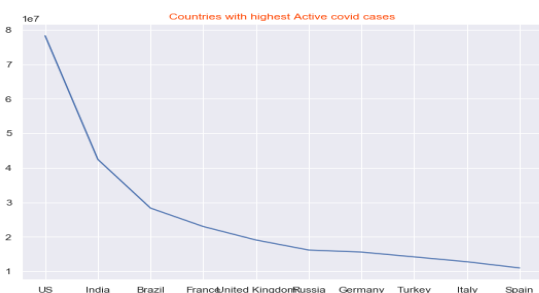
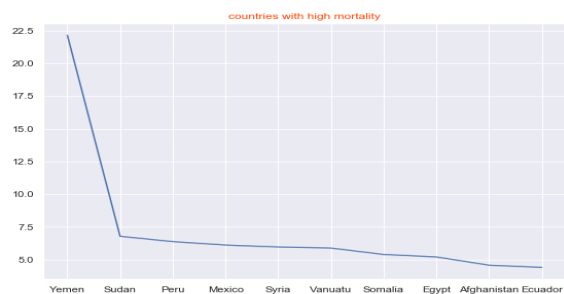
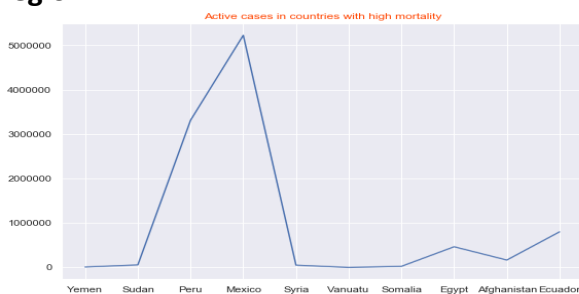


From the pie chart named Active cases by Region we can observe that **Europe** has most percentage of confirmed cases followed by **America**, whereas from the other pie chart named Death cases by Region we can see that **America** has more deaths followed by **Europe**.The African region and Eastern Mediterranean regions have less covid cases.The reason for more amount of covid cases in Europe and America is more Population, due to this the transmission rate is high and the covid cases are more in these two regions compared to others.

**Mortality rate** is the measure of number of deaths .In this data, Mortality rate is calculated using number of deaths and active cases.

	Country	Region	Confirmed	Deaths	Active	Mortality Rate%
1	Yemen	Eastern Mediterranean	11774	2135	9639	22.15
2	Sudan	Eastern Mediterranean	61569	3912	57657	6.78
3	Peru	Americas	3522484	210907	3311577	6.37
4	Mexico	Americas	5544644	319296	5225348	6.11
5	Syria	Eastern Mediterranean	54894	3089	51805	5.96
6	Vanuatu	Western Pacific	18	1	17	5.88
7	Somalia	Eastern Mediterranean	26351	1348	25003	5.39
8	Egypt	Eastern Mediterranean	488763	24162	464601	5.20
9	Afghanistan	Eastern Mediterranean	174214	7619	166595	4.57
10	Ecuador	Americas	836216	35264	800952	4.40

From the above table we can see that **yemen has high mortality rate** followed by **Sudan and Peru**.It is also notable that most of the countries having high mortality rate are from **Eastern Mediterranean region**.



Comparing Mortality rate of countries with top and least Active cases

From the above subplot we can clearly see that ,the countries with **high mortality rate** have **less covid cases** and the countries with **high covid cases** have **less mortality rate**.From this we can infer that mortality rate doesn't depend upon number of cases and rate of transmission.

All the global countries have been effected by covid.From the analysis we can see **USA and European region** are most effected in terms of number of **Covid cases** and **Deaths**.**Yemen and Eastern Mediterranean region** are most effected in terms of **high mortality rate**.

Reference: <https://www.worldometers.info/>