KIIT Data Science Group

Case Study Round

Instructions

- *This round contains **one case study**.*
- *Use your **logical thinking abilities** and **mathematical knowledge** to get through.*
- ***Answer all the questions** in a word file with correct answer labelling. Also, do not forget to paste the graphs and images to some questions wherever required.*
- *Submit the **PDF file** of your answer document to the case study in this google form **here***
- *All the best...!!*

Case study Description:

Coronavirus is a family of viruses that can cause illness, which can vary from *common cold* and *cough* to sometimes more severe disease. Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV) were such severe cases the world already has faced.
COVID-19 is the new virus of the coronavirus family, which was first *discovered* in 2019, which has not been identified in humans before. It is a *contiguous* virus which started from Wuhan in December 2019. Which was later declared as Pandemic by WHO due to high rate spreads throughout the world.
Below is a small dataset about the cases of covid 19 from some countries.

Country/Region	Confirmed	Deaths	Recovered	New Cases
Argentina	111146	2050	47298	4236
Belgium	62872	9788	17242	91
Brazil	1966748	75366	1350098	39924
Ecuador	70329	5158	30641	759
Germany	200890	9080	186000	434
India	968857	24914	612768	32676
Iran	264561	13410	227561	23590
Italy	243506	34997	196016	162
USA	3498902	137415	1075882	67328
Russia	745197	11753	522375	6410

Q1. Find the country with the highest recovery rate in the above table given.

Q2. How can we derive the active cases and how the new cases depend on it?

Q3. From the above data what conclusion can you get about countries on how they handle Covid 19 cases?

Q4. Can we get only satisfied with the recovery rates or we need another measurement about the specific countries if yes, then give which feature can be added and why?

Q5. What insights about the condition health system of the countries you can get from the data ?