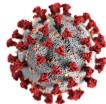




SCIENCE of MATHEMATICS CHALLENGE

About Data:



The provided data about COVID-19 in Pakistan is collected from the source provided below. There are three datasets provided on three different worksheets. You are expected to plot the data on first two worksheets (Cumulative Cases, Total Discharged Expired) and formulate the mathematical equations that fit the data. For the third worksheet (Cumulative Discharged Expired), you need to convert the data into percentages (Cumulative Discharge %, Cumulative Expired %). Plot the percentages and formulate the related mathematical equation for the plots. Afterwards, you need to explain all the three datasets based on the formulated mathematical relationships.

Final Output:

Mathematical equation that best fit each dataset along with creative, intuitive, and relatable interpretation of the data.

Submission Requirements:

Everything should be uploaded in the Dropbox folder of your team ID assigned to your team. Following items should be uploaded.

- Up to **seven-minutes** video with above mentioned (and your own) analyses along-with their interpretation. The size of the video should not exceed 100MB.
- A ReadMe file with the required explanation

Evaluation criteria:

- Correctness of data fitting.
- Creativity explanation of the results in the submitted video.

Submission deadline: May 28 (11:59 pm Pakistan Standard Time)

Reference

- “Mesum Raza Hemani, Corona Virus Pakistan Dataset 2020, Kaggle Dataset Repository”

Disclaimer:

We are not claiming the validity of data. The data is to challenge the analysis and interpretation abilities of the participants and the results will not be used for any scientific evidence/conclusion.