**COVID-19 Data Project – What I Plan to Do**

So basically, I want to look at how COVID-19 spread around the world and how it affected different countries. I’ll try to find some trends and patterns using real data, and I’ll make some charts to explain what I find. I'm doing this for my data analyst bootcamp portfolio project.

<https://www.kaggle.com/imdevskp/corona-virus-report>

I downloaded a dataset from Kaggle called “Corona Virus Report.” It has a bunch of different files, not just one. I’ll be using all of these:

* covid\_19\_clean\_complete.csv
* country\_wise\_latest.csv
* day\_wise.csv
* full\_grouped.csv
* usa\_county\_wise.csv
* worldometer\_data.csv

Each file has something different—like total cases, daily numbers, or U.S.-only data. I’ll pick what I need from each one. i will first transfer all these files into xlxs format so that i can make changes in excel n they can be saved.

I’ll work mostly in **Excel, my SQL** and **Power BI**. First, I’ll clean and understand the data in Excel, and then I’ll move to my SQL to further analyse my data and then Power BI to make better visuals.

Here’s what I plan to do:

* Clean up the files (dates, missing data, etc.)
* Create new columns (like Active Cases, Recovery Rate)
* Use Pivot Tables in Excel
* Then connect the clean data to Power BI
* Make some cool interactive dashboards and visuals

**🧹 Cleaning the Data**

Before I analyse anything, I’ll clean the data. Things I’ll do:

* Fix date formats
* Fill or remove missing data
* Standardize country names if needed
* Add new columns like:
  + **Active Cases = Confirmed - Deaths - Recovered**
  + **Recovery Rate = Recovered / Confirmed**
  + **Fatality Rate = Deaths / Confirmed**

**🔍 What I Want to Find Out**

I’m hoping to figure out things like:

* Which countries had the most cases and deaths?
* How the cases grew or dropped over time?
* Which countries had good recovery rates?
* Did the virus come in waves? Were there peaks?

**In Excel:**

* Pivot tables to summarize data by country and date

**In Power BI:**

* Dashboard with total cases, recoveries, deaths
* Filters by country and date
* Interactive visuals to explore the data easily