



Covid 19 Dataset

By:

- 1- Sarah Emad Abass
- 2- Nada Mohammed Abdelrasoul
- 3- Gehad Waheed Mohammed
- 4- Ayman Ahmed Ewis
- 5- Eslam Sobhy Emam

Group : RS-2381 ALX1_DAT2_S1e

Supervised By : Eng Mohammed Abdullah

Week 1 : Data Cleaning and Preprocessing

Tasks:

Import the COVID-19 datasets into Power BI.

Clean and preprocess the data (handling missing values, normalizing fields, etc.).

Merge datasets if necessary (e.g., confirmed cases with other related data like deaths or recovered cases).

Validate the dataset to ensure it's ready for analysis.

Tools: Power BI, Power Query Editor.

Deliverables:

A cleaned and preprocessed dataset.

A report/notebook documenting data cleaning steps.

Week 2: Analysis Questions Phase

Tasks:

Determine key questions for analysis such as:

What is the trend of confirmed cases over time by country?

Which regions are most affected by COVID-19?

How did containment measures affect case numbers?

What's the recovery rate per country or globally?

Ensure questions align with potential insights for decision-making.

Tools: Power BI.

Deliverables:

A list of analysis questions that can be answered using the dataset.

Week 3: Dashboard Phase

Tasks:

Build a Power BI dashboard to visualize answers to the analysis questions. For example:

A line chart showing trends in confirmed cases over time.

A map visual to display country-wise cases.

Bar charts for comparison of cases, recoveries, and deaths.

Ensure the dashboard is interactive and provides clear insights.

Tools: Power BI.

Deliverables:

A fully functioning Power BI dashboard.

Week 4: Final Presentation

Tasks:

Prepare a report summarizing your project.

Include insights gained from the analysis.

Create a presentation with key findings and showcase the dashboard.

Deliverables:

Final report and presentation.