**SYPNOSIS**

**Title: Covid 19 Analysis**

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**PROJECT DESCRIPTION :**

Aimed to analyse data and created Power BI Dashboard .

**Overview: -**

 The provided context consists of a dataset detailing the COVID-19 situation across various countries and regions as of January 22 and January 23, 2020. Each entry includes information such as the province/state, country/region, geographical coordinates (latitude and longitude), date, and the number of confirmed cases, deaths, and recoveries.

On January 22, 2020, the dataset indicates that many regions reported zero confirmed cases, deaths, and recoveries, with notable exceptions being China, where specific regions like Hubei had significant numbers (444 confirmed cases and 17 deaths). By January 23, 2020, the situation remained largely unchanged for most regions, but some areas in China saw increases in confirmed cases, such as Anhui (9 confirmed cases) and Beijing (22 confirmed cases).

Overall, the dataset illustrates the early stages of the COVID-19 pandemic, highlighting the initial spread of the virus primarily in China, while most other countries reported no cases at that time.

* **Features**

Interactive Visualizations: The dashboard includes a variety of interactive charts, maps, and tables, allowing users to drill down into specific data points and gain deeper insights.

* **Trend Analysis:**

Observe the dynamic trends of confirmed cases, deaths, and recoveries over time, enabling a deeper understanding of the pandemic's progression.

* **Geographical Distribution:**

Visualize the geographic distribution of COVID-19 cases across different countries and regions, providing a clear overview of highly affected areas.

* **Key Performance Indicators (KPIs):**

Monitor critical KPIs such as Case Fatality Rate (CFR), Recovery Rate, and Active Cases, helping to assess the severity and response to the pandemic.

* **Technologies:** Python [pandas, matplotlib, NumPy], Excel, Power BI

# Software Requirements:

* **OS:** Windows
* **Code Editor:** Visual Studio Code
* **Hardware Requirements:** min 4GB RAM (recommended 8GB), min Intel i5 (recommended i7+), SSD recommended (256GB for faster management)
* **Visualizations**

The following report was successfully created in Microsoft Power BI.

[DASHBOARD PART 1]

(<https://github.com/Ratansri221/anudip/blob/main/png1.png>)

[DASHBOARD PART 2]

(<https://github.com/Ratansri221/anudip/blob/main/png2.png>)

[DASHBOARD PART 3]

(<https://github.com/Ratansri221/anudip/blob/main/png3.png>)

* **Limitations/Challenges**

- The project proceeded smoothly without any significant challenges.

- The only thing was it was a quite lengthy project to work on.

- It provided an excellent learning opportunity, allowing me to enhance my skills and gain valuable insights along the way.