College code: 7177

Team members: Megavannan M D

Sheela Jemi L

Preethi G

Komathilakshmi D

**DATA ANALYTICS WITH COGNOS**

**Covid Vaccine Analysis Report**

**2.1 Short Explanation of the Question**

This analysis is aimed at comprehensively examining various facets of COVID-19 vaccinations. It encompasses factors such as vaccination rates, efficacy, distribution, and their impact on infection rates.

**2.2 Dataset and its details - source**

The dataset used in this analysis was sourced from Kaggle, a prominent platform for data science competitions and datasets. The specific dataset related to COVID-19 vaccines can be found at www.kaggle.com/data.

**2.3 Columns to be included**

1. Country
2. Date
3. Total vaccinations
4. Vaccinations per hundred
5. Total vaccinations percentage

**2.4 Details of libraries to be used and way to download**

The following libraries were employed for this analysis:

- Pandas for data manipulation

- Matplotlib for visualization

- Scikit-learn for machine learning

These libraries can be downloaded and installed using the `pip` package manager in the Python environment.

**2.5 Rest of the explanation**

Depending on the specific objectives of the analysis, various tasks will be undertaken. This will include data cleaning, exploratory data analysis (EDA), visualization, and, in certain cases, the application of machine learning techniques for predictions or classification.