TASK 1
UNEMPLOYMENT IN INDIA

- Unemployment is measured by the unemployment rate which is the number of people who are unemployed as a percentage of the total labour force.

- We have seen a sharp increase in the unemployment rate during Covid-19,

- so analyzing the unemployment rate can be a good data science project.

- For dataset click here

TASK 2
80 CEREALS

- If you like to eat cereal, do yourself a favor and avoid this dataset at all costs. After seeing these data it will never be the same for me to eat Fruity Pebbles again.

- Do an explained data analysis

- For dataset click here

TASK 3
CUSTOMER PERSONALITY ANALYSIS

- Customer Personality Analysis is a detailed analysis of a company's ideal customers. It helps a business to better understand its customers and makes it easier for them to modify products according to the specific needs, behaviors and concerns of different types of customers.

- Customer personality analysis helps a business to modify its product based on its target customers from different types of customer segments. For example, instead of spending money to market a new product to every customer in the company's database, a company can analyze which customer segment is most likely to buy the product and then market the product only on that particular segment.

- For dataset click HERE

TASK 4
RED WINE QUALITY

- The two datasets are related to red and white variants of the Portuguese "Vinho Verde" wine. For more details, consult the reference [Cortez et al., 2009]. Due to privacy and logistic issues, only physicochemical (inputs) and sensory (the output) variables are available (e.g. there is no data about grape types, wine brand, wine selling price, etc.).

- These datasets can be viewed as classification or regression tasks. The classes are ordered and not balanced (e.g. there are much more normal wines than excellent or poor ones)

- For dataset-HERE

TASK 5
EMPLOYEE SALARIES FOR DIFFERENT JOB ROLS

- Welcome to the Employee Salaries for Different Job Roles Dataset! This dataset provides valuable insights into the compensation and job roles of employees across various industries and regions.

- Whether you're an HR analyst, data scientist, or someone interested in understanding salary trends, this dataset offers a wealth of information to explore and analyze.

- We encourage you to explore the data, perform insightful analyses, and share your findings with the Kaggle community. If you find any interesting patterns or make significant discoveries,

- For dataset-<u>HERE</u>

TASK 6
BIGMART SALES DATA

- BigMart Sales Data provides a detailed view of retail operations, including item specifics, outlet details, and sales labels. This dataset empowers businesses to strategically tailor product modifications and marketing efforts by understanding customer preferences and optimizing resources based on outlet types and sales trends.

- With insights into diverse factors such as outlet size, location, and establishment year, businesses can make informed decisions to enhance customer engagement and maximize the impact of their retail strategies.

- For dataset visit here.

TASK 7
CRIMES IN CHICAGO

- The Crimes in Chicago dataset, sourced from the Chicago Police Department's CLEAR system, spans incidents reported from 2001 to the present, excluding the latest seven days. With over 6 million records

- It offers key details like unique identifiers, case numbers, dates, and arrest indicators, providing a comprehensive resource for understanding crime trends and city area evolution. Gratitude to the City of Chicago and the Chicago Police Department for openly sharing this invaluable dataset, fostering insights into the dynamic landscape of crime in the city.

- For dataset visit here.

TASK 8
TOUR AND TRAVEL CUSTOMER CHURN PREDICTION

- The Tour & Travels Customer Churn Prediction dataset assists a travel company in predicting customer churn. It includes indicators such as age, frequent flyer status, annual income class, services opted frequency, social media account synchronization, and hotel bookings.

- The goal is to build predictive models to save company resources. The dataset, used for practice and in a hackathon, is freely available. Analysts can perform exploratory data analyses to reveal insights for effective churn prediction. The binary target variable distinguishes customers who churn (1) from those who don't (0), guiding the modeling process.

- For dataset visit here.