

Documentation for load_explore.ipynb

This notebook covers **Lab 9 Task** and focuses on **Data Loading / Reading** and **Data Exploration** of a dataset.

Data Loading

- A CSV file (a dataset of Michelin Star Restaurants) is read into a pandas DataFrame.
- The dataset includes columns such as Restaurant_Name, City, Country, Cuisine_Type, Michelin_Stars, Average_Price_USD, and more.

Data Exploration

The following steps were performed to understand the dataset:

- Displaying the first few rows of the DataFrame (`df.head()`).
- Checking the number of **null/missing values** for every column using `df.isnull().sum()`. The output confirmed that there were **no null values** in the dataset.
- Reviewing the **data types** and non-null counts using `df.info()`.
- Generating **statistical summaries** of numerical columns using `df.describe()`.
- Calculating the number of **unique values** per column (`df.nunique()`).
- Exploring the unique categories and their counts in categorical columns like Price_Category, Star_Category, Continent, Cuisine_Type, and Country.