**DATA DASHBOARDING USING POWERBI**

**Summary on Zomato Bangalore Restaurant Dataset**

**Objective**

To create a comprehensive sales dashboard for analyzing sales, Zomato Restaurant Dataset to gain actionable insights through key metrics analysis and for making data-driven decisions.

**Data Collection**

The dataset of Zomato Bangalore Restaurant has been collected from an open-source platform, Kaggle.   
The dataset: - <https://www.kaggle.com/datasets/himanshupoddar/zomato-bangalore-restaurants>

**Data Loading, Cleaning, Data Error Removing**

The collected dataset has been imported into PowerBI, then for doing analysis, only the relevant and necessary columns has been taken, empty entries and error has been removed from the datasets. Some missing values has been handled as well as data types has been changed as needed.

**Data Analysis**

Calculated different columns for creating Dashboard and several visualization insights on Restaurant wise sales as shown in the project file(24166002\_SunandaBiswas\_\_POWERBI\_IndividualAssignment.pbix).

**Key Metrics Analyzed and Data Insights on the Dashboard (Restaurant wise Sales insights dashboard):**

* Clustered out the top 10 restaurant types in Bangalore according to the dataset.
* Bangalore people spend around 603 Rupees as average cost on food item bills.
* For filtering the dashboard with interactive visualization purpose, took top 10 cuisines types, locations of Bangalore, and availability of the online orders and table booking systems.
* Counted the total votes and the average ratings for the restaurants
* Through the overall dashboard it has been investigated, according to the key parameters, the cuisine type, locations, restaurant types, we can define the key metrics such as the average sales, total votes, total rate as well as can find out the availability of the online orders and table booking systems.

Other data insights:

In the project, I have added few more data visualizations, the summary of the data analysis as follows:

* The total cost has been calculated location wise and for top 20 restaurants.
* For each of the restaurant the total cost has been reported.
* Total cost by order types has been shown.
* An insight of location wise total cost by cuisines and online orders has been provided.