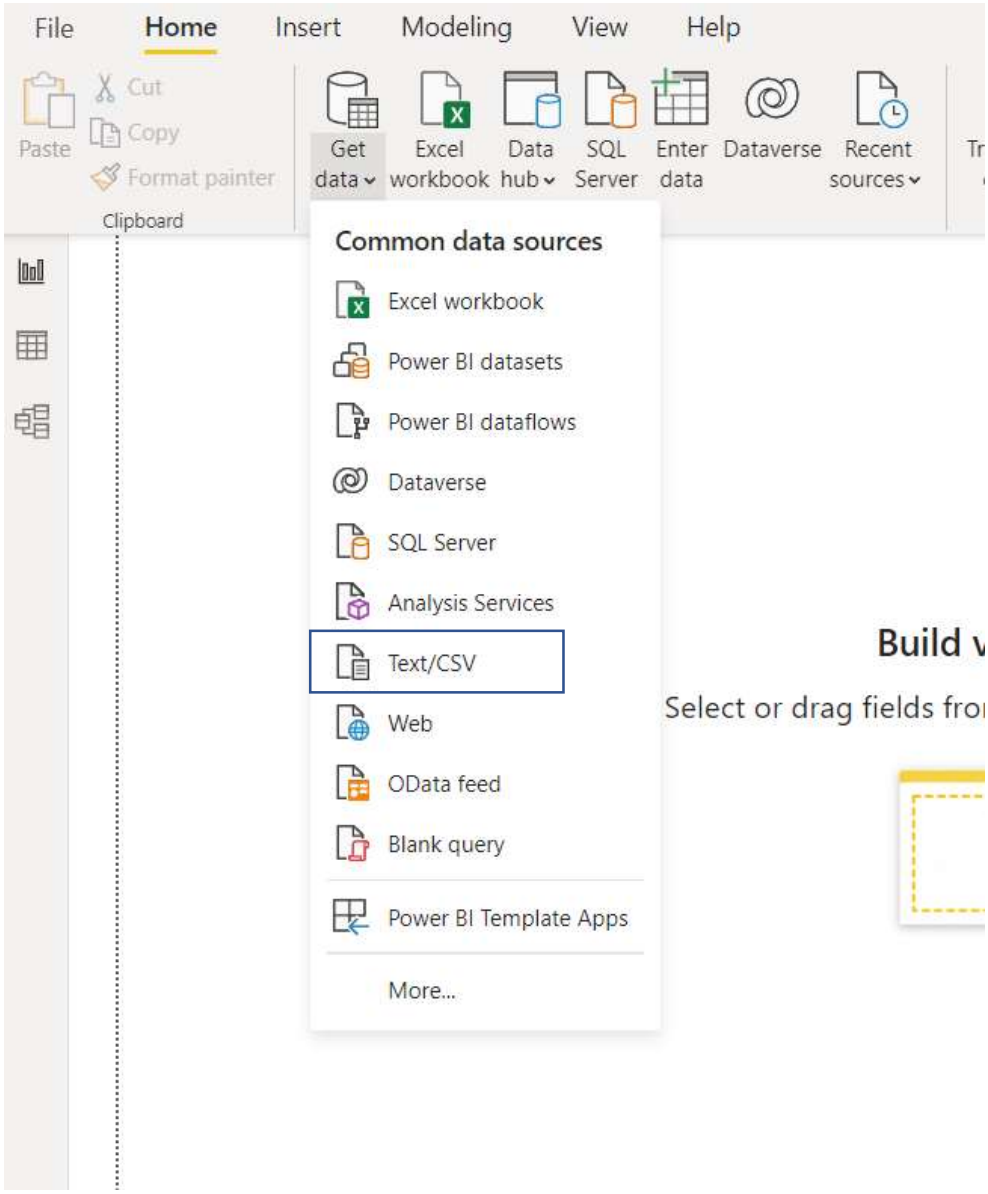
Contents

Case Study for Zomato User Ratings

Data set: Eatery_TrainingData.csv

1. Load Data

Load data into power bi:



2. ETL process:

Cleaning the data in our case. Usually, ETL processes are performed by different teams. The structure defers from organization to organization.

We need to clean columns in data view of power bi for our better understanding of the data

- user_rating__rating_text
- Zomato_user_rating
- Id

We need to create new columns based existing column

1. book_url_present(based on pattern https://)
2. number_of_cuisines(using new col as)

```
number_of_cuisines = LEN('Eatery_TrainingData - Copy'[cuisines])-LEN(SUBSTITUTE('Eatery_TrainingData - Copy'[cuisines],",",""))+1
```

3. test col for calculation as Column

```
Column = IF('Eatery_TrainingData - Copy'[number_of_cuisines]<6,'Eatery_TrainingData - Copy'[number_of_cuisines])
```

4. segment_by_number_of_cuisines (to check how many number of cuisines are present in each row)

```
segment_by_number_of_cuisines = IF(ISBLANK('Eatery_TrainingData - Copy'[Column]), "6 or more",'Eatery_TrainingData - Copy'[Column])
```

5. user_rating_text_refined (to create category as Average,Very Good,Good,Poor,Excellent) by conditional column

6. Zomato_user_rating (groups) (to create group for rating values as 0-1.9,2-2.9,3-3.9,4-4.9) by using Zomato_user_rating column

7. Has_Table_Booking refined (to create YES,NO values based on has_table_booking column)

```
Has_Table_Booking refined = IF('Eatery_TrainingData - Copy'[has_table_booking]=0,"No","Yes")
```

8. Has_online_delivery_redifined(to create YES,NO values based on has_online_delivery column)

```
Has_online_delivery_redifined = IF('Eatery_TrainingData - Copy'[has_online_delivery]=0,"No","Yes")
```

3. Visualize data/Create Dashboard:

KPIs

- Total number of restaurants in INDIA(Country ID: 1)
- Total number of cuisines
- Total number of customer rating votes for restaurants

Charts

1. Pie chart: Total restaurants by user ratings
2. Bar chart: Total number of restaurants and user rating by city
3. Map chart: City by user_rating_votes and total cuisines