TEAM MARVELS

PROJECT TOPIC :

OPEN SOURCE DATA VISUALIZATION

TRIBE MEMBERS

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PROBLEM STATEMENT

“ We have a client who wants to set up his own restaurant in Bengaluru city. He wants to know how it can be profitable to him by setting up the restaurant”

APPROACH AND TECH-STACK

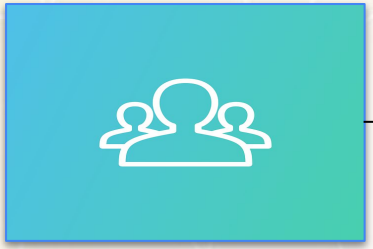
- Approach:
  “We visualized the given dataset and analyzed the different restaurant’s ratings, total votes given, average bill for two people, availability of facilities like online_ordering,table_booking and we tried to build a dashboard so that our client can get clear idea about setting up his restaurant.”

- Tech-Stack:
  - ➔ Tool Used: Power BI
  - ➔ Dataset Used: Zomato.csv file from Kaggle Website

  - ❑ Power BI: It is a Business Intelligence and Data Visualization tool for converting data from various data sources into interactive dashboards and analysis reports.
  - ❑ Power BI offers cloud-based services for interactive visualizations with a simple interface for end users to create their own reports and dashboards.

PROCESS FLOW

Client/ User



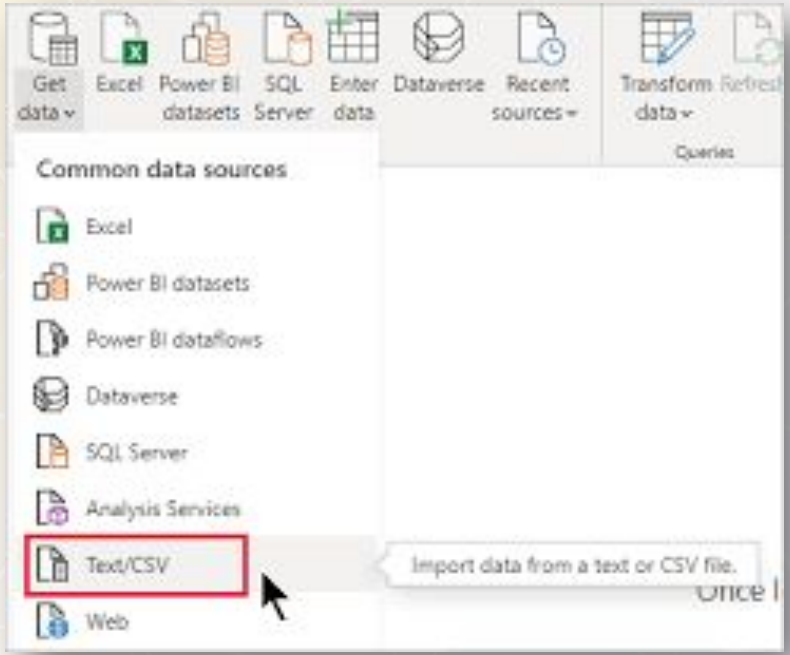
Imports a file into the tool.
E.g: csv, xlsx etc

Validate the file format and data set

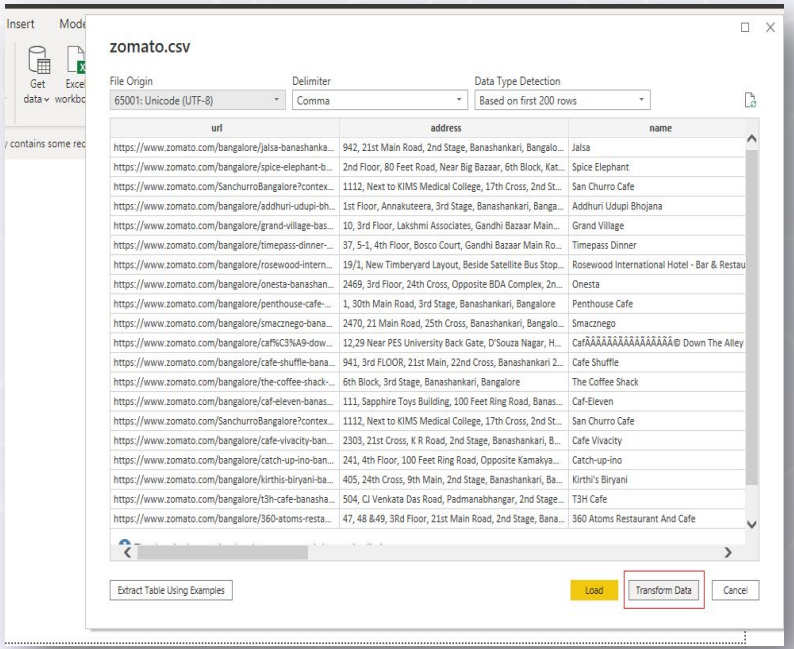
Generate the appropriate graphs on dashboards

IMPLEMENTATION

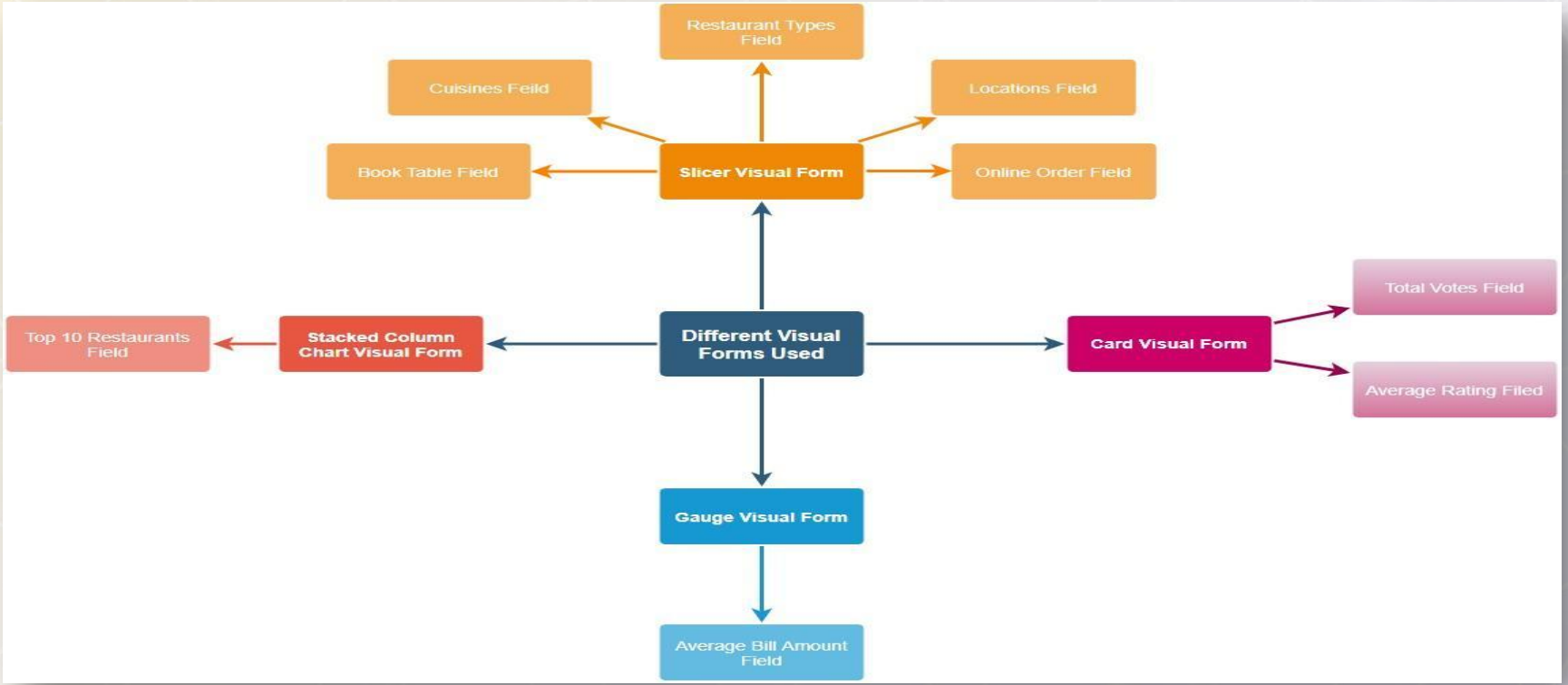
Step 1: Load file into power BI



Step 2: Clean and Prepare data for visualization by selecting Transform data option.



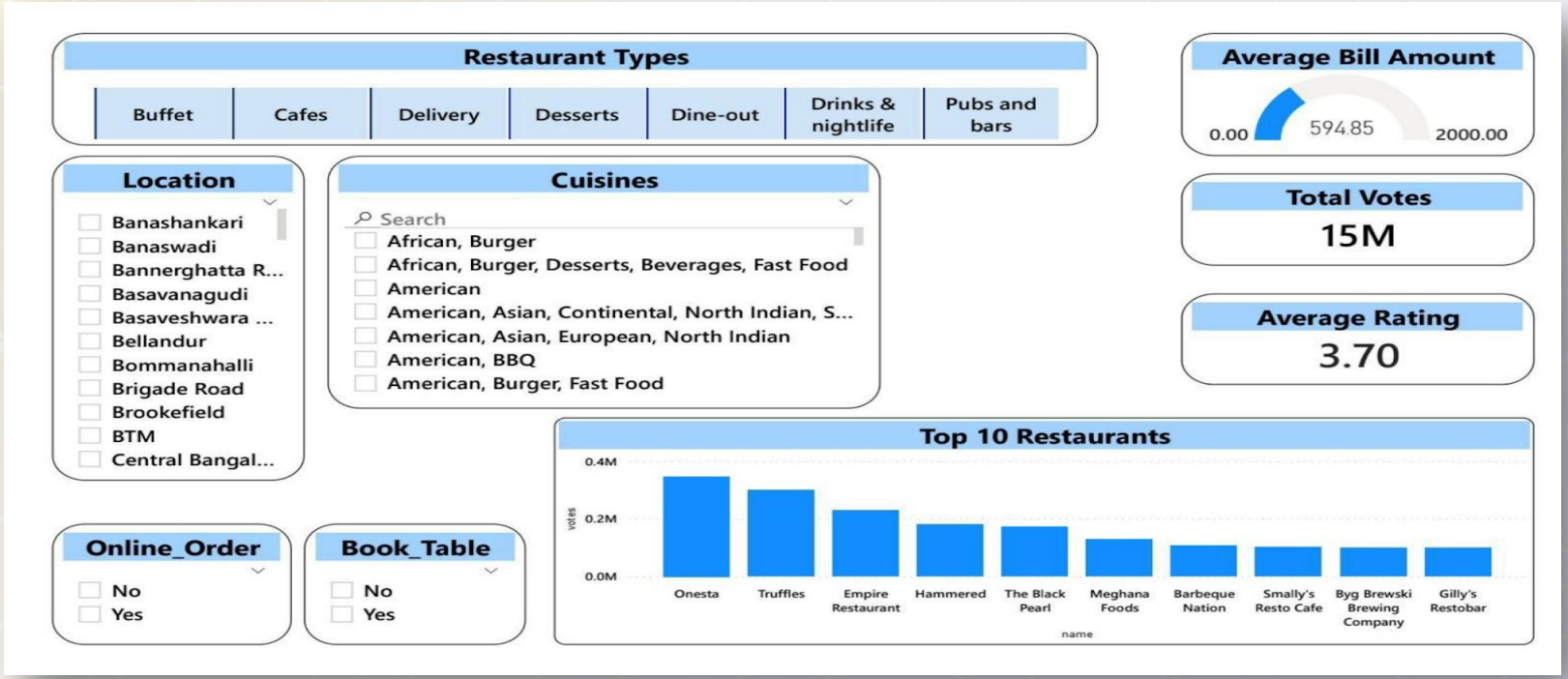
Step 3: Implementing required fields in our dashboard using appropriate visual forms.



CHALLENGES

- We had too many unnecessary columns in the dataset, so we used a option called “transform data” to clean the data.
- While representing the “Average Rating” visual form there were few errors in the “rate” column of our dataset.

MINIMUM VIABLE PRODUCT (MVP)



CONCLUSION

We believe that this dashboard helps our client to take effective decisions before setting up his/her restaurant in the Bengaluru city by comparing the various parameters like: how many people have voted for a particular restaurant situated in a particular area/location in the city by just selecting that particular location, restaurant type, cuisines, restaurants with facilities like online ordering and booking the table, so that the client earns maximum profit by visualizing this analysis.

REFERENCES

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- https://www.tableau.com/learn/articles/data-visualization
- https://www.kaggle.com/datasets/himanshupoddar/zomato-bangalore-restauants
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ANY QUERIES?

THANK YOU!