

Zomato Data Analysis



CONTENTS

- ABOUT DATASET
- ANALYSIS USING SQL
- PREPROCESSING
- DASHBOARD
- INSIGHTS
- CONCLUSION

ABOUT DATASET

- Number of Columns : 21
- Number of Rows : 9551

PREPROCESSING

1. Data Cleaning:

- Removed duplicate rows based on Restaurant_ID.
- Replaced NULL values in the 'City' column with 'Unknown'.
- Trimmed leading and trailing spaces from string columns.

2. Data Quality Checks:

- Identified rows with NULL values in non-nullable columns.
- Checked for invalid values in numeric columns.

PREPROCESSING

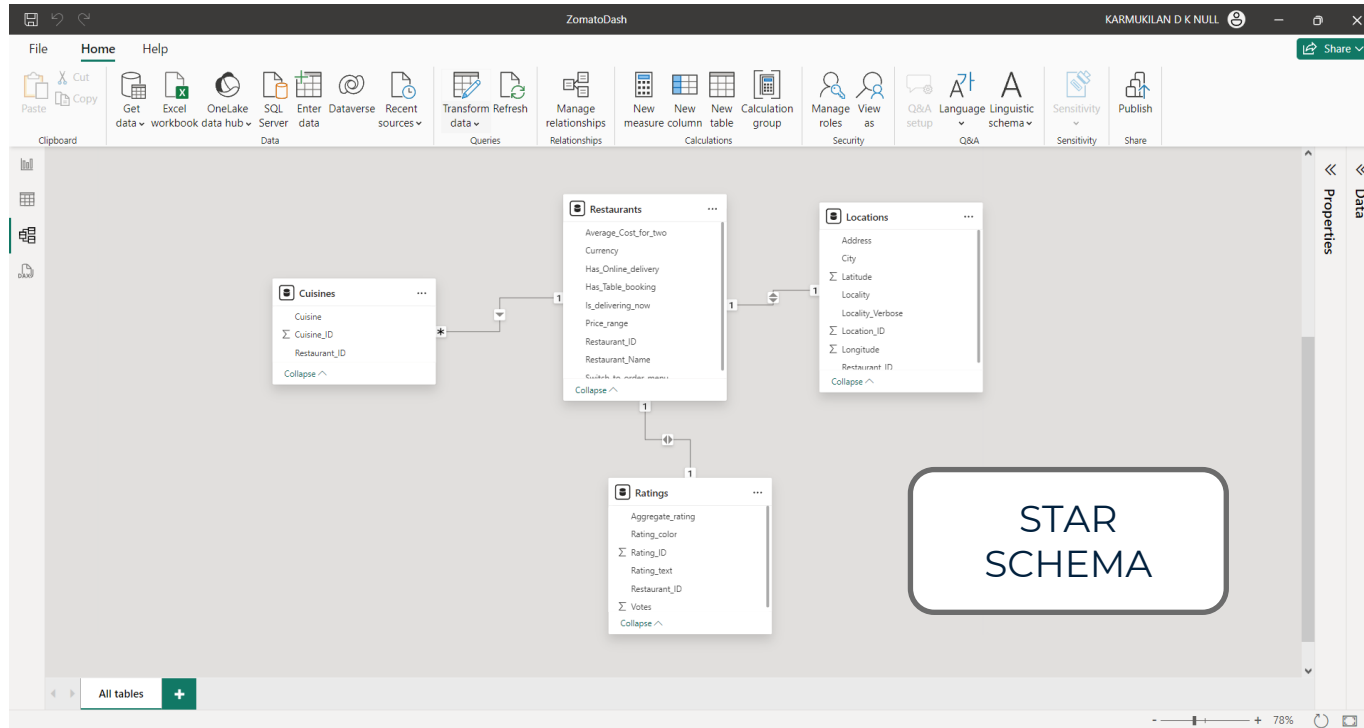
3. Data Modelling:

- Create tables for Restaurants, Locations, Cuisines, and Ratings.

4. Data Insertion:

- Inserted distinct restaurant data into the Restaurants table.
- Inserted location data into the Locations table.
- Inserted cuisine data into the Cuisines table.
- Inserted rating data into the Ratings table.

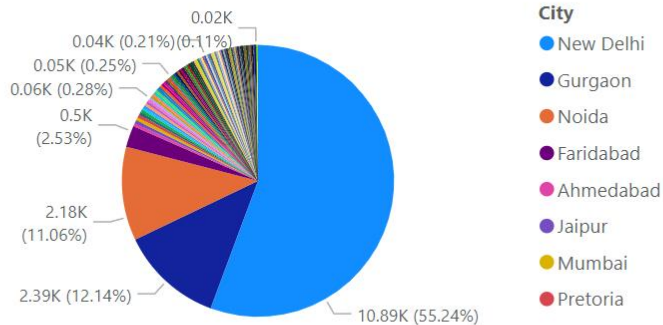
DATA MODELLING



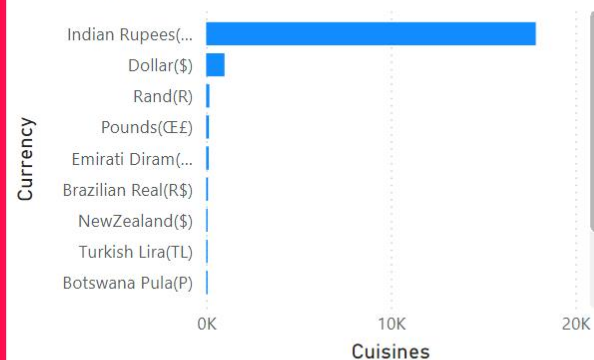


Cost Analysis

Cuisines by city

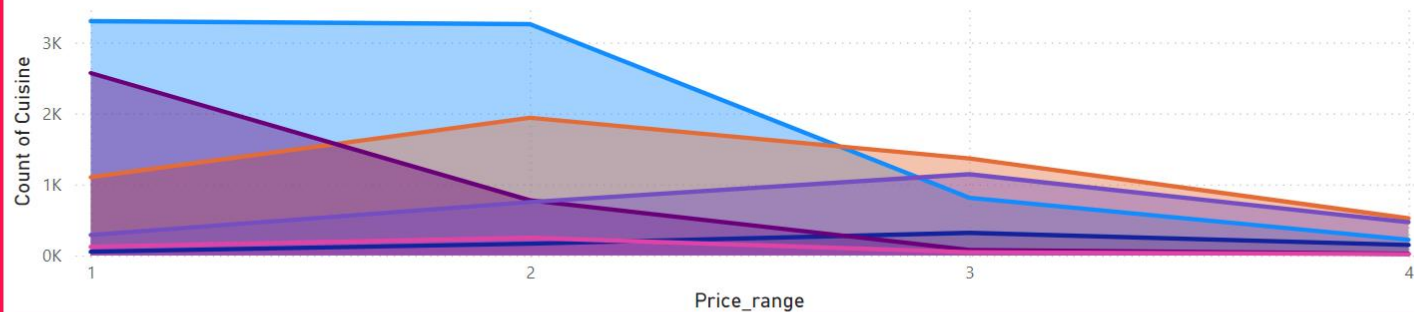


Cuisine by Currency



Count of Cuisine by Price_range and Rating_text

Rating_text: Average (Blue), Excellent (Dark Blue), Good (Orange), Not rated (Purple), Poor (Pink), Very Good (Light Blue)





General Overview

Total Restaurants: 7,433

Total Cities: 141

Total Countries: 12




Online Delivery Analysis

- **Cities without Online Delivery:** 140 (86.42%)
- **Cities with Online Delivery:** 22 (13.58%)





Table Booking Analysis

- Cities without Table Booking: **137 (83.03%)**
 - Cities with Table Booking: **28 (16.97%)**
- 

Cuisine Diversity Analysis

Top Cities with Cuisine Variety:

- New Delhi: **10.89K cuisines** (55.24%)
- Gurgaon: **2.39K cuisines** (12.14%)
- Other notable cities include Noida, Faridabad, Ahmedabad, Jaipur, Mumbai, and Pretoria with varying counts of cuisines.

KEY INSIGHTS

- **Online Delivery** is not very widespread, with only a small percentage of cities offering this service.
- **Table Booking** services are more common than online delivery but still not available in the majority of cities.
- The vast majority of cities do not offer **delivery now** services.
- **New Delhi** and **Gurgaon** are significant contributors to the cuisine variety and ratings, indicating a high concentration of diverse and highly rated restaurants.
- The **average cost for two** varies widely across different cities, indicating a broad range of economic conditions and dining standards.
- **Cuisine popularity** and **ratings** show a diverse taste preference among customers, with many different cuisines being offered and rated.

RECOMMENDATIONS

- **Expand Online Delivery Services**
- **Enhance Table Booking Facilities**
- **Improve Immediate Delivery Options**
- **Promote Culinary Diversity**
- **Optimize Pricing Strategies**
- **Continuously Monitoring and responses**

Thank You!

