




**zomato**  
*Discover the best food in your city.*



## *Zomato Analysis Using*

 **MySQL**

|  **Power BI**

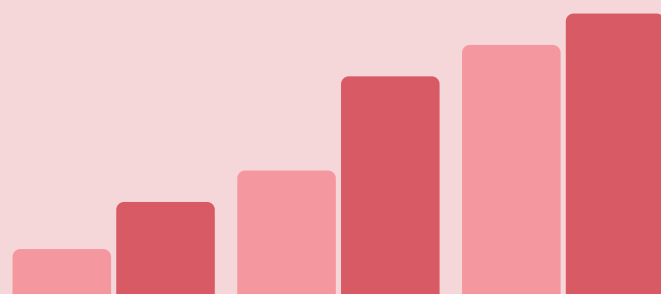
# ***zomato***

## **Notification**

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***"Because food is bae, and so is data!"***

# ***zomato***



## **Introduction**

Zomato is a well-known platform that connects users with restaurants, enabling them to explore a wide variety of cuisines, review restaurant experiences, and access services like online delivery and table bookings. With vast amounts of data on restaurants globally, Zomato provides an opportunity to analyze critical business insights that help restaurants, customers, and businesses make informed decisions.

This project focuses on analyzing Zomato's restaurant data to extract valuable insights into various aspects like pricing, customer ratings, delivery services, and cuisine offerings. The project aims to help users understand trends and preferences across different countries and restaurant categories.

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## Notification

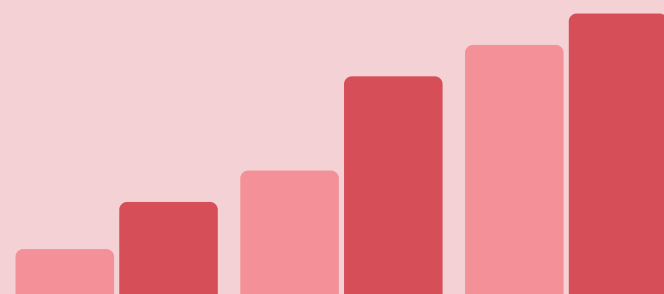
zomato

*"Ever wondered where to find the best biryani in town? Or who makes that perfect butter chicken? Zomato has all the answers"*

zomato

*"Just like you rate your favorite meals, we're rating restaurant trends, one SQL query at a time!"*

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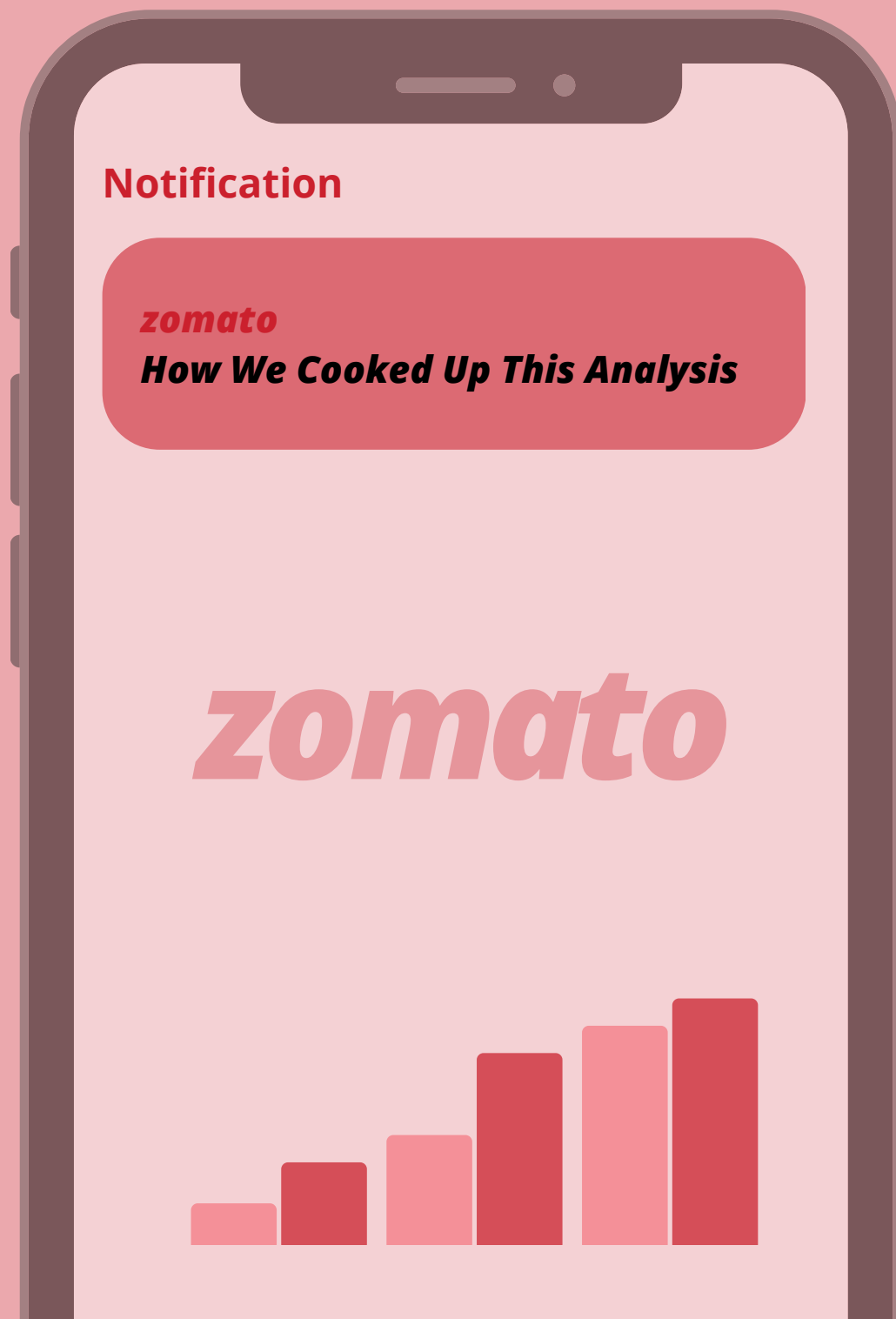
## Objective

The main objective of this project is to analyze Zomato restaurant data using SQL and Power BI to uncover key insights related to restaurant pricing, availability of delivery and table booking services, and customer preferences across different cuisines. The analysis will also highlight rating distributions and identify popular restaurant categories.

Specific goals include:

- Categorizing restaurants based on their price range (Budget, Mid-range, Premium).
- Exploring restaurant availability for online delivery and table bookings.
- Understanding the distribution of customer ratings.
- Analyzing cuisine preferences across countries.

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## Methodology.

This project follows a structured approach to data analysis, using MySQL for querying the restaurant data and Power BI for visualization.

1. **Data Collection:** Zomato restaurant data, which includes fields like RestaurantID, RestaurantName, Country, Cuisines, Price\_range, Votes, and Rating, is provided for analysis.
2. **Data Cleaning & Preparation:** The data was loaded into MySQL for analysis. Steps were taken to remove duplicates and handle any missing values.
3. **Analysis:** SQL queries were written to extract relevant insights such as:
  - Restaurant count by price range.
  - Number of restaurants offering table bookings or online delivery.
  - Analysis of average customer ratings and votes.
  - Distribution of cuisines across different countries.
4. **Data Visualization:** Using Power BI, various visualizations were created to present the insights. These include bar charts, pie charts, and slicers for interactive filtering.



## Recommended Analysis Using MySQL & PowerBi

### Total Number of Restaurants

Query :

```
-- Total Number of Restaurants

SELECT
    COUNT(RestaurantID) AS TotalRestaurants
FROM
    zomato_dataset;
```

Output :

|   | TotalRestaurants |
|---|------------------|
| ▶ | 9551             |

***Insight:*** There are a total of **9551** restaurants in the dataset, showing a robust culinary ecosystem across different regions.

## Average Rating of Restaurants

Query :

```
-- Average Rating of Restaurants

SELECT
    ROUND(AVG(Rating), 1) AS AvgRating
FROM
    zomato_dataset;
```

Output :

|   | AvgRating |
|---|-----------|
| ▶ | 2.9       |

**Insight:** The average rating for restaurants is **2.9**, indicating a general satisfaction level among customers.

## Total Votes Received by Restaurants

Query :

```
-- Total Votes Received by Restaurants

SELECT
    SUM(Votes) AS TotalVotes
FROM
    zomato_dataset;
```

Output :

|   | TotalVotes |
|---|------------|
| ▶ | 1498645    |

**Insight:** Restaurants have collectively received over **1498645** votes, showcasing the engagement level of customers through reviews.

## Average Cost for Two

Query :

```
-- Average Cost for Two

SELECT
    ROUND(AVG(Average_Cost_for_two), 0) AS AvgCostForTwo
FROM
    zomato_dataset;
```

Output :

|   | AvgCostForTwo |
|---|---------------|
| ▶ | 1199          |

**Insight:** The average cost for two people dining in a restaurant is approximately **1199** currency units, providing an idea of the general pricing level.



## Restaurants Offering Online Delivery.

Query :

```
-- Total Number of Restaurants Offering Online Delivery

SELECT
    COUNT(RestaurantID) AS TotalOnlineDelivery
FROM
    zomato_dataset
WHERE
    Has_Online_delivery = 'Yes';
```

Output :

|   | TotalOnlineDelivery |
|---|---------------------|
| ▶ | 2451                |

**Insight:** A total of **2451** restaurants offer online delivery services, showing the widespread availability of this convenient option.

## Restaurants Offering Table Booking

Query :

```
-- Total Number of Restaurants offering Table Booking

SELECT
    COUNT(RestaurantID) AS TotalTableBooking
FROM
    zomato_dataset
WHERE
    Has_Table_Booking = 'Yes';
```

Output :

|   | TotalTableBooking |
|---|-------------------|
| ▶ | 1158              |

**Insight:** Around **1158** restaurants provide table booking services, catering to dine-in preferences.

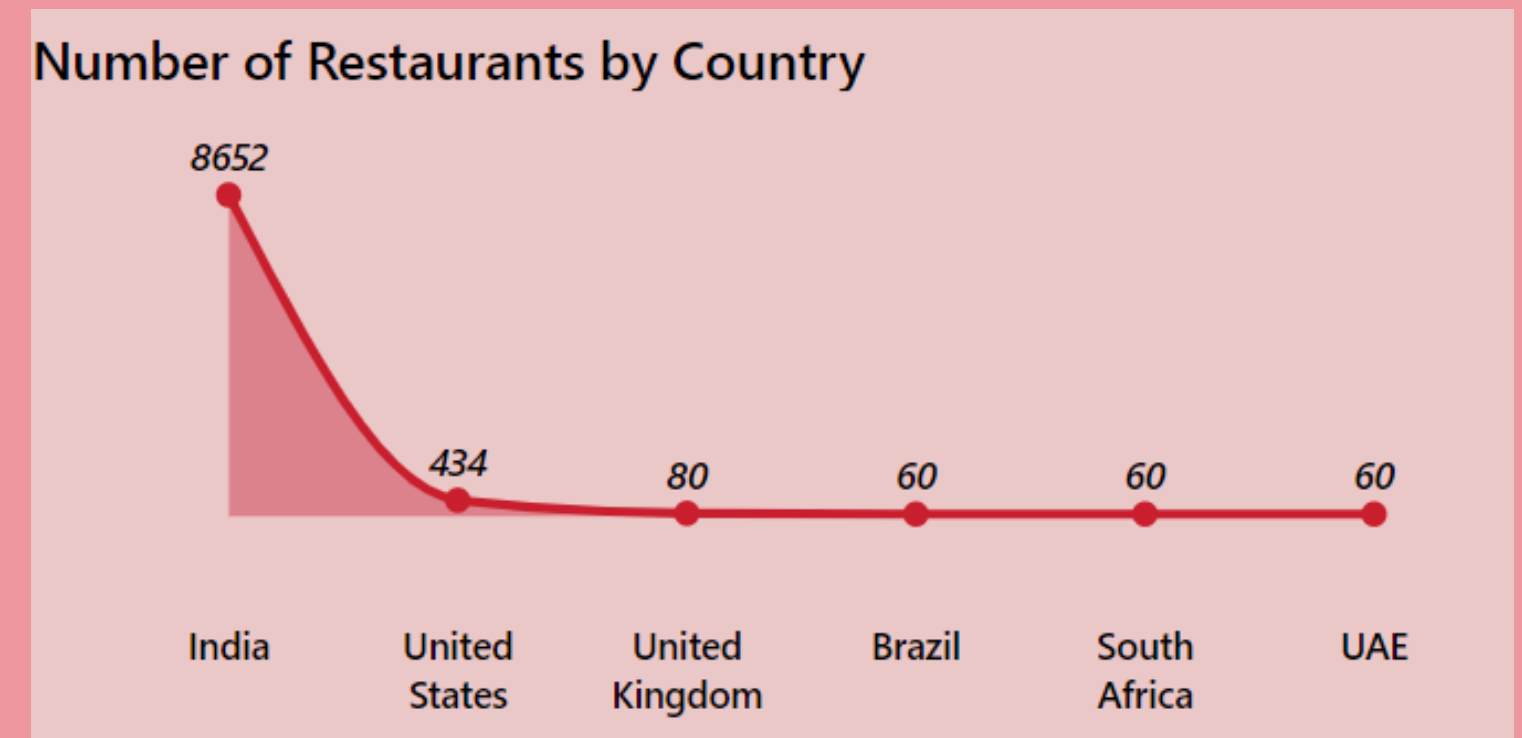
## Number of Restaurants by Country

Query :

```
-- Number of Restaurants by Country

SELECT
    Country, COUNT(RestaurantID) AS TotalRestaurants
FROM
    zomato_dataset
GROUP BY Country;
```

Visualization :



**Insight:** The country with the highest number of restaurants is **INDIA**, highlighting its vibrant food scene.

## Top 10 Most Popular Cuisines

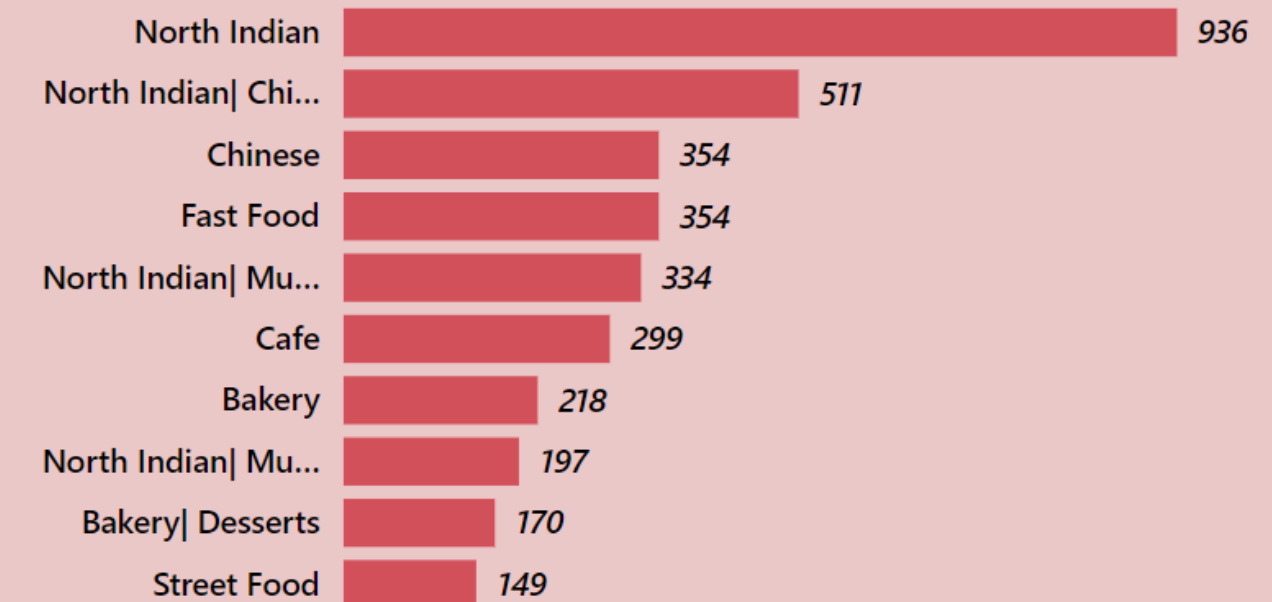
Query :

```
-- Top 10 Most Popular Cuisines

SELECT
    Cuisines, COUNT(RestaurantID) AS TotalRestaurants
FROM
    zomato_dataset
GROUP BY Cuisines
ORDER BY TotalRestaurants DESC
LIMIT 10;
```

Visualization :

Top 10 Most Popular Cuisines



**Insight:** The most popular cuisine in the dataset is **North Indian**, followed by others such as **Chinese and Fast food**

## Top Rated Restaurants

Query :

```
-- Restaurants with High Ratings

SELECT
    (RestaurantID) AS HighRated
FROM
    zomato_dataset
WHERE
    Rating >= 4;
```

Visualization :



***Insight:** The top-rated restaurants are **Barbeque Nation, McDonald's & Pizza Hut** each scoring exceptionally well in customer ratings.*

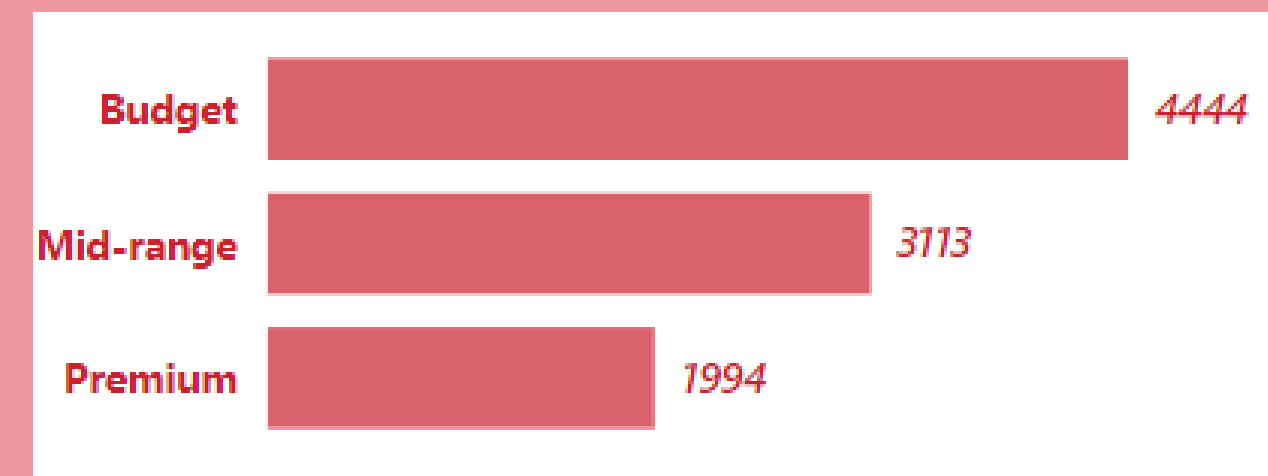
## Total Number of Restaurants by Price Category.

Query :

```
-- Total Number of Restaurants by Price Category (Budget, Mid-range, Premium)

SELECT
  CASE
    WHEN Price_range = 1 THEN 'Budget'
    WHEN Price_range IN (2, 3) THEN 'Mid-range'
    WHEN Price_range >= 4 THEN 'Premium'
  END AS Price_Category,
  COUNT(RestaurantID) AS Total_Restaurants
FROM
  zomato_dataset
GROUP BY
  Price_Category;
```

Visualization :



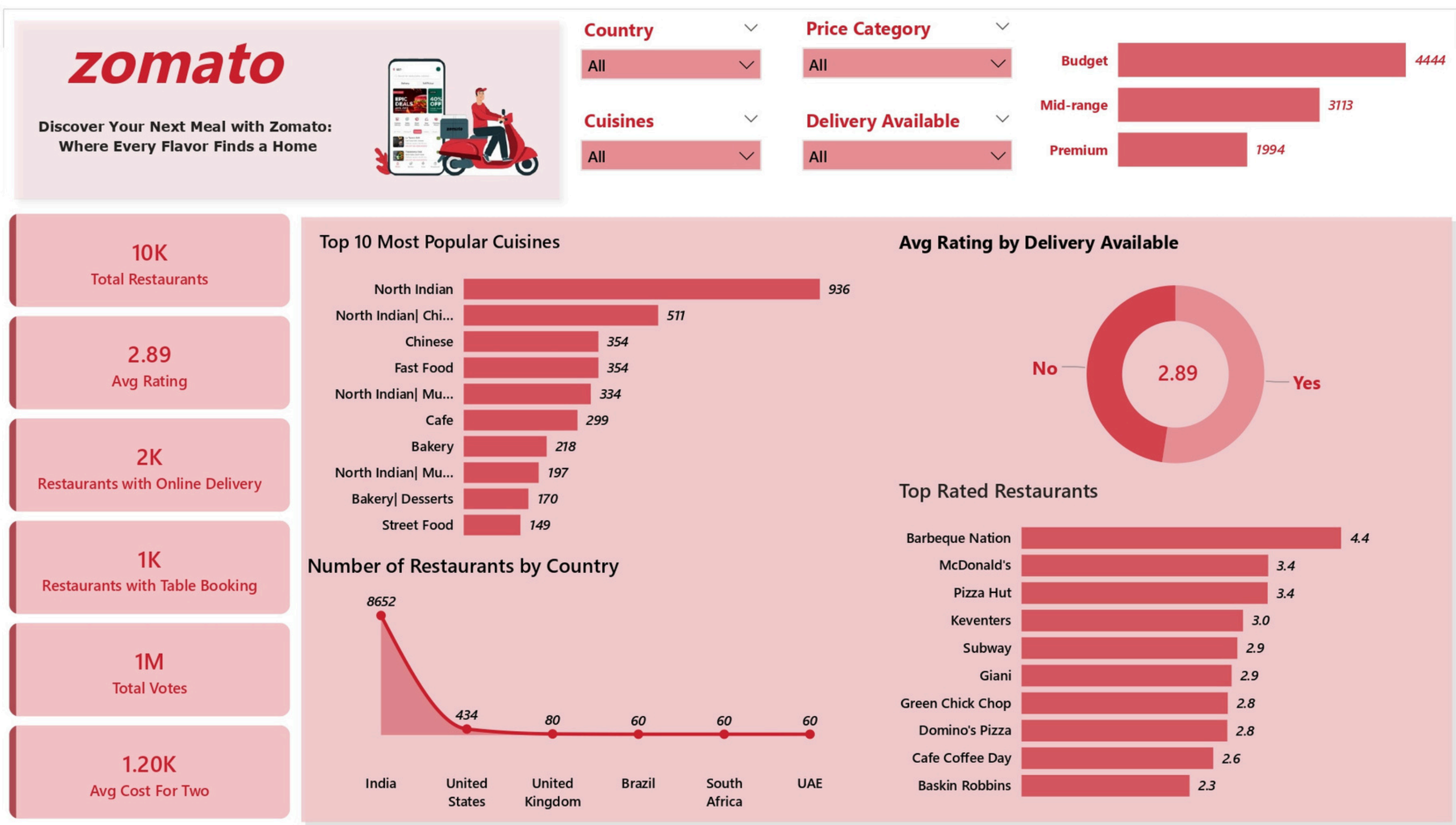
**Insight:** Most restaurants fall within the Budget pricing category

# Zomato Dataset

| RestaurantID | RestaurantName         | Country Code | Country     | City                | Address                       | Locality        | LocalityVerbose      | Cuisine    | Currency   | Has_Table_booking | Has_Online_delivery | Is_delivering_now | Switch_to_order_menu | Price_range | Votes | Average_Cost_for_two | Rating |
|--------------|------------------------|--------------|-------------|---------------------|-------------------------------|-----------------|----------------------|------------|------------|-------------------|---------------------|-------------------|----------------------|-------------|-------|----------------------|--------|
| 6317637      | Le Petit Souffle       | 162          | Phillipines | Makati Cit          | Third Floor Century City Mall | French          | Ja                   | Botswana P | Yes        | No                | No                  | No                | No                   | 3           | 314   | 1100                 | 4.8    |
| 6304287      | Izakaya Kikufuji       | 162          | Phillipines | Makati Cit          | Little Tokyo                  | Little Tokyo    | Little Tokyo         | Legas      | Japanese   | Botswana P        | Yes                 | No                | No                   | 3           | 591   | 1200                 | 4.5    |
| 6300002      | Heat - Edsa Shangri-   | 162          | Phillipines | Mandaluy Edsa Shang | Edsa Shang                    | Edsa Shangri-La | O                    | Seafood    | A          | Botswana P        | Yes                 | No                | No                   | 4           | 270   | 4000                 | 4.4    |
| 6318506      | Ooma                   | 162          | Phillipines | Mandaluy            | Third Floor SM Megan          | SM Megamall     | Ort                  | Japanese   | Botswana P | No                | No                  | No                | No                   | 4           | 365   | 1500                 | 4.9    |
| 6314302      | Sambo Kojin            | 162          | Phillipines | Mandaluy            | Third Floor SM Megan          | SM Megamall     | Ort                  | Japanese   | Botswana P | Yes               | No                  | No                | No                   | 4           | 229   | 1500                 | 4.8    |
| 18189371     | Din Tai Fung           | 162          | Phillipines | Mandaluy            | Ground Flc                    | SM Megan        | SM Megamall          | Ort        | Chinese    | Botswana P        | No                  | No                | No                   | 3           | 336   | 1000                 | 4.4    |
| 6300781      | Buffet 101             | 162          | Phillipines | Pasay City          | Building K                    | SM by the       | SM by the Bay        | Ma         | Asian      | Eur               | Botswana P          | Yes               | No                   | 4           | 520   | 2000                 | 4      |
| 6301290      | Vikings                | 162          | Phillipines | Pasay City          | Building B                    | SM by the       | SM by the Bay        | Ma         | Seafood    | F                 | Botswana P          | Yes               | No                   | 4           | 677   | 2000                 | 4.2    |
| 6300010      | Spiral - Sofitel Phili | 162          | Phillipines | Pasay City          | Plaza Level                   | Sofitel Phi     | Sofitel Philippine   | I          | European   | Botswana P        | Yes                 | No                | No                   | 4           | 621   | 6000                 | 4.9    |
| 6314987      | Locavore               | 162          | Phillipines | Pasig City          | Brixton Tec                   | Kapitolyo       | Kapitolyo            | Pasig Ci   | Filipino   | Botswana P        | Yes                 | No                | No                   | 3           | 532   | 1100                 | 4.8    |
| 6309903      | Silantro Fil-Mex       | 162          | Phillipines | Pasig City          | 75 East Cap                   | Kapitolyo       | Kapitolyo            | Pasig Ci   | Filipino   | M                 | Botswana P          | No                | No                   | 3           | 1070  | 800                  | 4.9    |
| 6309455      | Mad Mark's Creame      | 162          | Phillipines | Pasig City          | 23 East Cap                   | Kapitolyo       | Kapitolyo            | Pasig Ci   | American   | Botswana P        | Yes                 | No                | No                   | 3           | 488   | 900                  | 4.2    |
| 6318433      | Silantro Fil-Mex       | 162          | Phillipines | Quezon Ci           | Second Flo                    | UP Town C       | UP Town Center       | I          | Filipino   | M                 | Botswana P          | No                | No                   | 3           | 294   | 800                  | 4.8    |
| 6310470      | Guevarra's             | 162          | Phillipines | San Juan C          | 387 P. Gue                    | Addition H      | Addition Hills       | San        | Filipino   | Botswana P        | Yes                 | No                | No                   | 3           | 458   | 1000                 | 4.2    |
| 6314605      | Sodam Korean Rest      | 162          | Phillipines | San Juan C          | 17 J. Abad                    | Little Bagu     | Little Baguio        | San .      | Korean     | Botswana P        | No                  | No                | No                   | 3           | 223   | 700                  | 4.3    |
| 18185059     | Cafe Arabelle          | 162          | Phillipines | Santa Ros           | Ayala Mall                    | Nuvali          | Dc Nuvali            | Don Jose   | Cafe       | Ame               | Botswana P          | No                | No                   | 3           | 29    | 800                  | 3.6    |
| 18182702     | Nonna's Pasta & Piz    | 162          | Phillipines | Santa Ros           | Ground Flc                    | Solenad 3       | Solenad 3            | Don Jo     | Italian    | Piz               | Botswana P          | No                | No                   | 3           | 72    | 850                  | 4      |
| 6318213      | Balay Dako             | 162          | Phillipines | Tagaytay C          | Aguinaldo                     | Tagaytay C      | Tagaytay City        | Tag        | Filipino   | Botswana P        | Yes                 | No                | No                   | 3           | 211   | 1200                 | 4.5    |
| 18255654     | Hobing Korean Des:     | 162          | Phillipines | Taguig Cit          | Third Floor                   | BGC Stopo       | BGC Stopover         | Pavi       | Cafe       | Kore              | Botswana P          | No                | No                   | 2           | 118   | 600                  | 4.5    |
| 6308205      | Wildflour Cafe + Ba    | 162          | Phillipines | Taguig Cit          | Ground Flc                    | Bonifacio       | (Bonifacio Global Ci | Cafe       | Bake       | Botswana P        | Yes                 | No                | No                   | 4           | 392   | 1500                 | 4.4    |
| 6315438      | NIU by Vikings         | 162          | Phillipines | Taguig Cit          | Sixth Floor                   | SM Aura P       | SM Aura Premier      | Seafood    | A          | Botswana P        | Yes                 | No                | No                   | 4           | 535   | 3000                 | 4.7    |
| 6310406      | The Food Hall by To    | 162          | Phillipines | Taguig Cit          | Fifth Floor                   | SM Aura P       | SM Aura Premier      | American   |            | Botswana P        | Yes                 | No                | No                   | 4           | 618   | 1800                 | 4.5    |
| 6600681      | Chez Michou            | 30           | Brazil      | Bras?lia            | SCLN   208                    | Asa Norte       | Asa Norte            | Bras?li    | Fast Food  | Brazilian Re      | No                  | No                | No                   | 2           | 6     | 55                   | 3      |
| 6601005      | Caf? Daniel Briand     | 30           | Brazil      | Bras?lia            | SCLN 104                      | Asa Norte       | Asa Norte            | Bras?li    | Cafe       | Brazilian Re      | No                  | No                | No                   | 1           | 9     | 30                   | 3.8    |
| 6600292      | Casa do Biscoito Mi    | 30           | Brazil      | Bras?lia            | SCLN 210                      | Asa Norte       | Asa Norte            | Bras?li    | Bakerv     | Brazilian Re      | No                  | No                | No                   | 2           | 11    | 45                   | 3.7    |



# Zomato Analysis Dashboard Using PowerBi



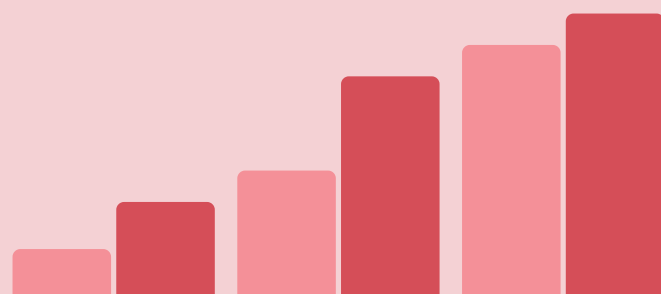


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## Conclusion

The analysis provided an in-depth look into the various aspects of restaurant trends across the Zomato platform. From understanding pricing dynamics to uncovering customer preferences and service offerings, the findings offer valuable insights for stakeholders.

**For Restaurants:** Focus on maintaining a balance between cost and quality, offer online delivery, and keep improving your ratings.

**For Foodies:** Trust the data—ratings and votes reveal the best places to dine. Now, go ahead and treat yourself!

THANK YOU  
SO MUCH!

Explore. Eat. Repeat

***zomato***