Zomato Bangalore Cleaned Data EDA –

Project Summary

Data Overview

The analysis began with an overview of the cleaned dataset using functions like `.info()`, `.describe()`, and `.nunique()` to inspect data types, distribution, and completeness. It was confirmed that:

- All columns had appropriate data types.
- There were no missing values.
- The dataset contained **12,453 unique restaurants** (based on `url`) and **8,758 unique restaurant names**, indicating the presence of multiple branches.

Restaurant Names (`name`)

Top restaurant chains in Bangalore were identified by counting the frequency of names. **Café Coffee Day** emerged as the most widespread chain with **54 branches**, followed by **Domino's Pizza** and **Just Bake**.

Ratings (`ratings`)

The majority of restaurants had ratings between **3.5 and 4.0**, with only a few achieving a perfect **5.0**.
Average ratings were calculated per restaurant to determine popular, high-quality chains such as **Truffles** and **Onesta**.

Votes (`votes`)

Vote distribution revealed that most restaurants had fewer than **300 votes**, with only a few receiving over **16,000**.
Further analysis showed that restaurants offering **both online ordering and table booking** consistently received more votes, indicating higher customer engagement.

Cost for Two (`cost_for_two`)

The typical cost for two people was found to lie between **₹200–₹600**, while some upscale restaurants charged up to **₹6000**.
Restaurants with **table booking** services generally had higher prices compared to those with only **online ordering**.

Online Order & Table Booking

Service availability was analyzed:

- **52%** of restaurants offered **online ordering**.
- Only **8%** offered **table booking**.
  Insights revealed that restaurants offering **both** services achieved better **ratings and votes**. Those offering only **table booking** had higher costs but lower engagement compared to those offering only online ordering.

Location Analysis (`location`)

Top restaurant-concentrated areas were identified by counting restaurant frequency by location:

- **Whitefield** led with **884 restaurants**
- Followed by **Electronic City, BTM** and **HSR.**

Indiranagar is found to be most famous location in Bangalore with 250k+ votes and average rating of 3.5 followed by Koramangala 5th Block with around 180k votes and average rating of 3.8.

Restaurants in Lavelle Road and Sankey Road had highest average ratings of 4.0 with followed by St. Marks Road and Koramangala 3rd Block with average ratings of 3.9.

Restaurants in Sankey Road has much higher average cost for two people(2500Rs) followed by Race Course Road(1300Rs) and Lavelle Road(1300Rs).

Restaurant Type (`rest_type`)

The most common restaurant type was **Quick Bites**, with over **5,000 entries**, followed by **Casual Dining**, **Cafes**, and others.
This provided insights into the dining culture of the city, showing a preference for informal, fast-service establishments.

Listed Category (`listed_in(type)`)

Restaurants were primarily categorized under **Delivery** and **Dine-out** in Zomato's classification system.
Other tags like **Cafes**, **Desserts**, and **Buffet** appeared less frequently, but indicated niche experiences.

Cuisines

Cuisine analysis revealed that **North Indian** was the most commonly served cuisine, followed by **Chinese**, **South Indian**, and **Fast Food**.
Many restaurants offered **multi-cuisine options**, reflecting Bangalore's diverse food scene.

Best Locations in Bangalore (Final Insight)

After evaluating all major factors—**restaurant count, service offerings, ratings, votes, cuisines**, and **costs**—the following locations were identified as the **best dining zones** in Bangalore:

- **Whitefield**
- **Indiranagar**
- **Koramangala 5th Block**

These areas combine **high availability**, **customer satisfaction**, and **diverse food experiences**, making them ideal for food lovers and restaurateurs alike.

Final Conclusion

The Zomato Bangalore dataset reveals key trends across 12,453 unique restaurants, with Café Coffee Day having the highest number of outlets.

Most restaurants offer quick bites, North Indian cuisine, and operate as delivery or dine-out.

Online ordering is available in over half the restaurants, while only 8% offer table reservations.

Restaurants that support both services tend to have higher ratings and vote counts.

Cost for two mostly ranges between ₹200–₹600, and ratings generally fall between 3.5 and 4.0.

Whitefield, Indiranagar, and Koramangala emerge as the best locations—offering the most restaurants, diverse cuisines, services, and high customer engagement.