

KPIs



Cuisines



Maps



About



2.67

Average Rating

15

Country Count

19.71K

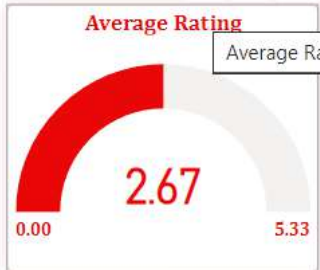
Cuisine Count

9551

Restaurant Count

Botswana ...

First Currency



Rating

Dark Green



Restaurant Name	Cusines
Let's Burrp	North Indian
Let's Burrp	Chinese
#45	Cafe
#Dilliwaala6	North Indian
#hashtag	Cafe
#InstaFreeze	Ice Cream
#OFF Campus	Continental
#OFF Campus	Fast Food
#OFF Campus	Italian
#OFF Campus	Cafe
#Urban Cafi©	Chinese

City

- ☐ Abu Dhabi
- ☐ Agra
- ☐ Ahmedabad
- ☐ Albany
- ☐ Alice Springs
- ☐ Allahabad
- ☐ Amritsar
- ☐ Ankara
- ☐ Armidale
- ☐ Athens

Country

- ☐ Australia
- ☐ Brazil
- ☐ Canada
- ☐ India
- ☐ Indonesia
- ☐ New Zealand
- ☐ Phillipines
- ☐ Qatar
- ☐ Singapore
- ☐ South Africa

Continent

- ☐ Africa
- ☐ Asia
- ☐ Europe
- ☐ North America
- ☐ Oceania
- ☐ South America

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Continent

All

Country

All

City

All

Restauran...

All

Count of Votes



Online Table Booking

No

Online Delivery Option

No

Currency

Botswana Pula(P)

Restaurant Address

Bakers &
More,Asian Institut...

Top 20 Restaurant Name



Locality

Zoo Tiniali
Zakir Nagar
Z Square Mall, Mall Road
Yusuf Sarai
YŪ±ldŪ±zevler
Yorkton
YN Road
Ybor City
Yas Mall, Yas Island
Wynyard Quarter
Worldmark 3, Aerocity
Worldmark 1, Aerocity
World Trade Center Mall, Al Markaziya



KPIs



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Continent

Asia

Country

India

City

Agra

Restauran...

All

Count of Votes



Online Table Booking

No

Online Delivery Option

No

Currency

Indian Rupees(Rs.)

Restaurant Address

1/48, Delhi Gate,
Station Road, Raja ...

Top 20 Restaurant Name

Bon Barbecue	Dawat-e-Nawa...	Peshawri - ITC ...	Rangr...	Shero...	Taj Ba...	Tea'se...
Chapter 1 Cafe	G Thal	Pinch Of Spice				
Chokho Jeeman...	Jahanpanah	Pind Balluchi	Thaaliwala	The L...	Time2...	
Dasaprakash Re	Restaurant Name Chokho Jeeman Marwari Jain Bhojanalya Resturant Count 1					

Locality

Tajganj
Rakabganj
Radisson Blu, Tajganj
Khandari
ITC Mughal, Tajganj
Courtyard by Marriott Agra, Tajganj
Civil Lines
Agra Cantt



KPIs



Cuisines

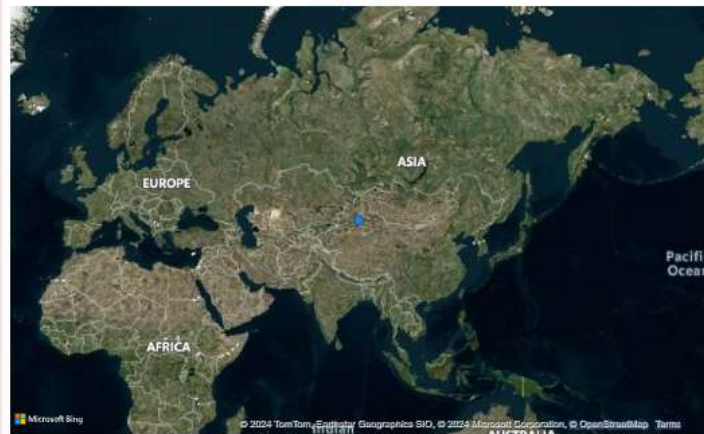


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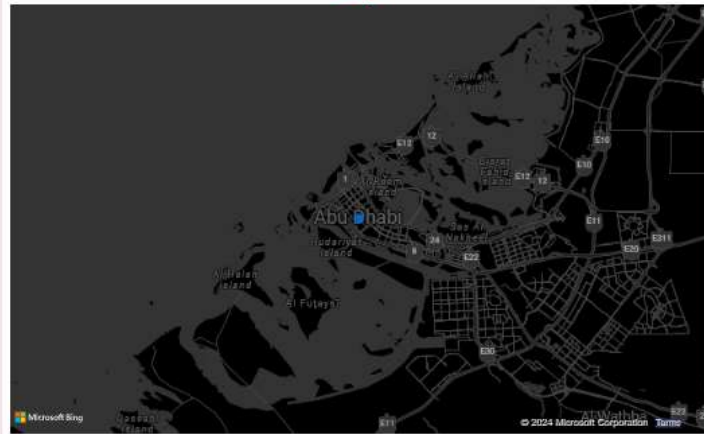
Continent



Country



City



City

- ☒ Abu Dhabi
- ☐ Agra
- ☐ Ahmedabad
- ☐ Albany
- ☐ Alice Springs
- ☐ Allahabad
- ☐ Amritsar
- ☐ Ankara
- ☐ Armidale
- ☐ Athens
- ☐ Auckland
- ☐ Augusta

Country

- ☐ Australia
- ☐ Brazil
- ☐ Canada
- ☐ India
- ☐ Indonesia
- ☐ New Zealand
- ☐ Phillipines
- ☐ Qatar
- ☐ Singapore
- ☐ South Africa
- ☐ Sri Lanka
- ☐ Turkey

Restaurant Na...

- ☐ Applebee's
- ☐ Bait El Khetyar
- ☐ Cho Gao - Cro...
- ☐ Denny's
- ☐ Famous Dave'...
- ☐ Gazebo
- ☐ Genghis Grill
- ☐ Hot Palayok
- ☐ Indian By Nat...
- ☐ Olive Garden
- ☐ P.F. Chang's
- ☐ Pizza Di Rocco



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Cuisines



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About

Description

Zomato is a restaurant aggregation and meal delivery service based in India. It is currently operating in several countries across the world. Zomato provides thorough information about numerous eateries as well as consumer reviews. Zomato's owners aim to find hidden irregularities in their company's data.

The ultimate goal of this project is to examine the data in such a way that they can accurately assess their business performance.

The data (sample) is currently accessible in the form of a few Excel files, each of which contains information about multiple restaurants operating in a certain continent. The clients want to construct a consolidated and interactive Power BI report that will allow them to do the following:

Aim of the project:

The aim is to construct a consolidated and interactive Power BI report that will allow Zomato to quickly assess the required data.

[About Zomato](#)



KPIs



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About



zomato

Created by Narendra

Introduction to Zomato



Zomato is a leading global restaurant discovery and food delivery platform, connecting people to a wide variety of dining experiences. With a presence in over 24 countries, Zomato empowers food lovers to explore and order from a vast network of restaurants at their fingertips.

High Level Business Requirement

Zomato is a restaurant search and discovery service. Operating in several countries worldwide, they provide detailed information and customer reviews of various restaurants.

The owners of Zomato, want to understand the hidden anomalies in their business data.

The final objective of this project is to analyze the data in a way which helps them to accurately judge their business performance.











High Level Steps


To achieve the above-mentioned requirements, following are some of the high-level steps that need to be performed.

Step 1.

Data Import:

- 1) Import data from all the available Excel files

Name	
	Africa
	Asia
	Country-Code
	Europe
	Fact Table
	NAM
	Oceania
	SAM



Step 2. Created a Custom Column for all Continent Tables

The screenshot displays the Microsoft Power Query Editor interface. The main window shows a table with the following columns: Restaurant ID, Country Code, City, Restaurant Name/Address, and Locality. The table contains 18 rows of data, including restaurants like 'Santa Rosa', 'Nonna's Pasta & Pizzeria', and 'Balay Dako'. A 'Custom Column' dialog box is open in the center, titled 'Custom Column'. The dialog contains the following fields and options:

- New column name:** Continent
- Custom column formula:** Table.AddColumn(#"Changed Type", "Continent", each "Asia")
- Available columns:** Restaurant ID, Country Code, City, Restaurant Name/Address, Locality, Locality Verbose, Longitude
- Learn about Power Query formulas:** (Link)
- Check for errors:** No syntax errors have been detected.
- Buttons:** OK, Cancel

The background table data is as follows:

Restaurant ID	Country Code	City	Restaurant Name/Address	Locality
6317637				
6304287				
6300002				
6318506				
6314302				
18189971				
6300781				
6301290				
6300010				
6314987				
6309903				
6309455				
6318433				
6310470				
6314605				
18185039	262	Santa Rosa	Carre Alameda, Ayala Hall, Solenad, Marikina, Santa Rosa - Tagaytay Road, ...	Marikina, Don Jose, Santa Ro
18182702	262	Santa Rosa	Nonna's Pasta & Pizzeria, Ground Floor, Building G, Solenad 3, Nuvali, ...	Solenad 3, Don Jose, Santa
6318213	262	Tagaytay City	Balay Dako, Aguinaldo Highway, Tagaytay City	Tagaytay City



Step 3. I append all Continent Tables as a new table called as : All continent combined data

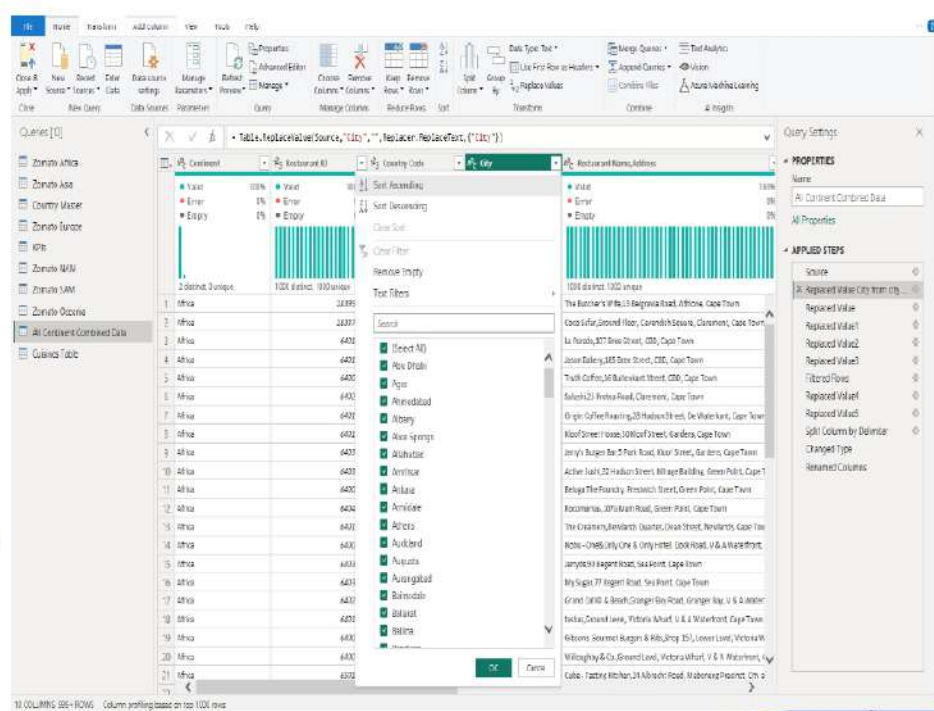
The screenshot shows the Power BI Desktop interface with the 'Append' dialog box open. The dialog is titled 'Append' and contains the following elements:

- Available tables:** A list of tables including Zomato Africa, Zomato Asia, Country Master, Zomato Europe, KPIs, Zomato NAM, Zomato SAM, Zomato Oceania, and All Continent Combined Data. The 'All Continent Combined Data' table is selected.
- Tables to append:** A list of tables including All Continent Combined Data, Zomato Africa, Zomato Asia, Zomato Europe, Zomato NAM, Zomato SAM, and Zomato Oceania. The 'All Continent Combined Data' table is selected.
- Buttons:** 'Add >>' and 'OK' buttons.

The background shows a table with the following columns: Continent, Restaurant ID, Country Code, City, Restaurant Name, and Restaurant Address. The 'All Continent Combined Data' table is highlighted in the list of available tables.

Step 4. Data Transformations

- 1) Some of the values in the "City" column, mentioned below, needs to be corrected.
 - a. The word "city" needs to be taken off from every city name (wherever appears).
 - b. "São Paulo" should be corrected to "São Paulo".
 - c. "Cedar Rapids/Iowa City" should be corrected to "Cedar Rapids".
 - d. "ÜÁstanbul" should be corrected to "Istanbul".
- 2) Remove the columns which are not used.
- 3) Make separate columns to show the "Restaurant Name" and the "Restaurant Address".
- 4) Create a separate table from where you get the list of cuisines served by each restaurant.
- 5) The "Country-Code" table must contain only unique and non-blank values (as it's a dimension table).



Step 4. Data Transformations

3) Make separate columns to show the “Restaurant Name” and the “Restaurant Address”.

4) Create a separate table from where you get the list of cuisines served by each restaurant.

5) The “Country-Code” table must contain only unique and non-blank values (as it's a dimension table).

The screenshot shows the Microsoft Power BI Desktop interface. The main window displays a table with columns: City, Restaurant Name, Restaurant Address, and Locality. The 'Split Column by Delimiter' dialog is open, showing the 'Restaurant Name' column being split by a comma into 'Restaurant Name' and 'Restaurant Address'. The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list, including 'Split Column by Delimiter' and 'Change Type'.

City	Restaurant Name	Restaurant Address	Locality
1	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
2	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
3	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
4	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
5	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
6	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
7	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
8	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
9	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
10	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
11	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
12	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
13	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
14	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
15	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
16	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
17	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
18	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
19	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
20	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox
21	Chatterbox	150 Richmond St, Chatterbox, ON M5V2Y7	Chatterbox

Step 4. Data Transformations

4) Create a separate table from where you get the list of cuisines served by each restaurant.

Split Column by Delimiter

Select or enter delimiter:

Split at:

Advanced options:

Quote Character:

Split using special characters:

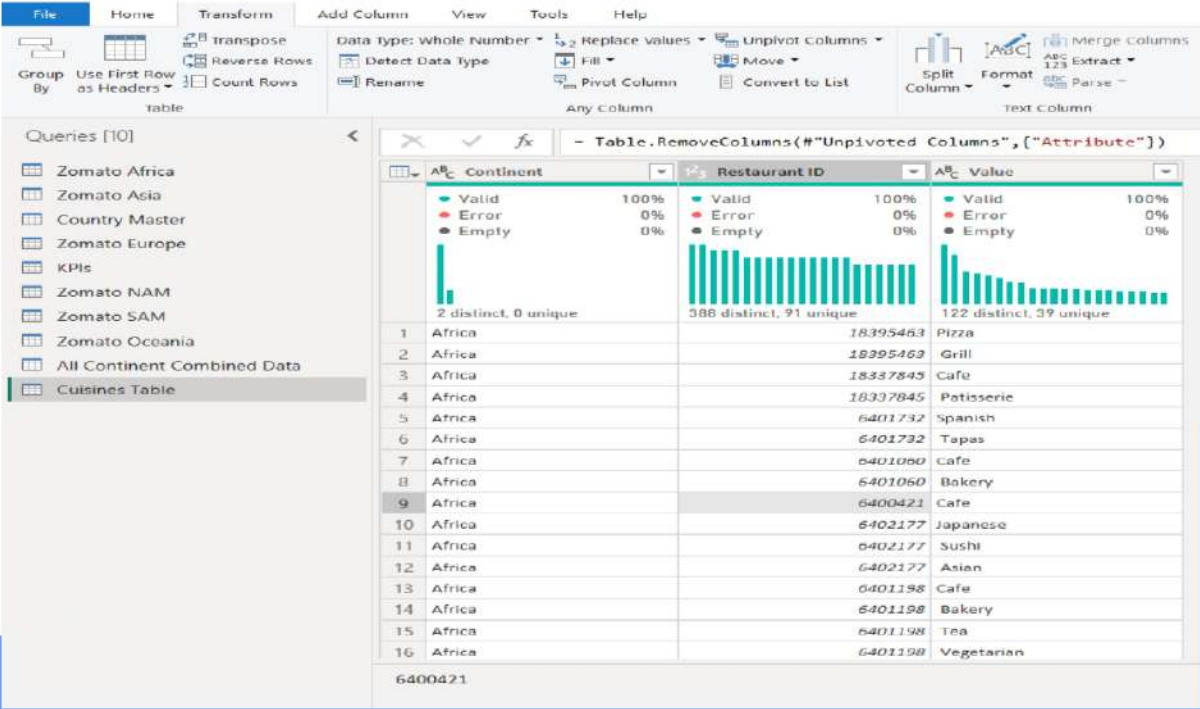
OK Cancel

Table.SelectColumns(*Renamed Columns*,'Restaurant ID', *Cul

Restaurant ID	Cuisines	Continent
16655289	Japanese, Sushi	North America
6600882	Fast Food, French	South America
6601009	Cafe	South America
6601309	Bakery	South America
6600442	Brazilian	South America
6600570	Pizza	South America
6600379	Japanese	South America
6600214	Arabic	South America
6601218	Japanese	South America
6600060	Brazilian, Cafe	South America
6600083	Italian	South America
6601826	Pizza	South America
6601362	Bar Food, Brazilian	South America
6601602	Mexican, Grill	South America
6601389	International	South America
6601082	Peruvian, Latin American	South America
6601290	American, Grill	South America
6601158	Seafood	South America
6600427	International	South America
6601219	Italian	South America
6601457	American, Burger	South America

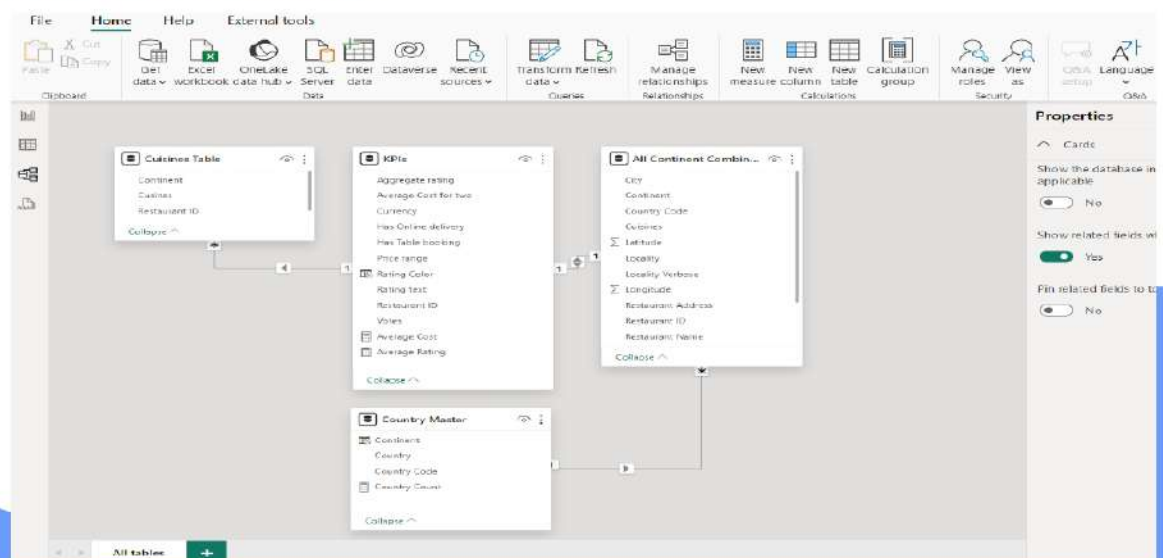
Step 4. Data Transformations

4) Create a separate table from where you get the list of cuisines served by each restaurant.



Step 5. Data Modelling

- 1) Model your data according to the reporting requirements.
- 2) While creating relationships, choose the appropriate “Cardinality” and the “Cross filter direction” so that the aggregations can happen accurately at the report level.



Step 6. Using DAX Created Measures

1) There needs to be a “Rating Color” column in an appropriate table. The data rows should follow the below mentioned convention.

Aggregate rating	Rating color
Above 4.5	Dark Green
4 to 4.4	Green
3.5 to 3.9	Yellow
2.5 to 3.4	Orange
1.8 to 2.4	Red
0 to 1.7	White

2) Create following measures in appropriate tables.

- a. Restaurant Count
- b. Average Cost
- c. Average Rating
- d. Cuisine Count

4) Wherever needed, lookup the continent column from the “Country Code” table.

3) Create a new column called “Continent” in the “Country Code” table. Create the values using the below mentioned convention.

Note: The Country and Continent mapping is as follows. Please use this convention wherever needed.

- a. Africa – South Africa
- b. Asia – Philippines
- c. Asia – Singapore
- d. Asia – UAE
- e. Asia – India
- f. Asia – Indonesia
- g. Asia – Qatar
- h. Asia – Sri Lanka
- i. Asia – Turkey
- j. Europe – United Kingdom
- k. North America – United States
- l. North America – Canada
- m. Oceania – Australia
- n. Oceania – New Zealand
- o. South America – Brazil