

Zomato Project Screenshots

- 1- Load all the files in PowerBI application.
- 2- In table (Africa, Asia, Europe, North America, Oceania and South America) Add Custom Column and name its “**continent**” and put continent name in the formula window.
- 3- Append all continent tables (Africa, Asia, Europe, North America, Oceania and South America) in append query and create new column name “**Zomato Global**”.

Locality	Locality Verbose	Longitude	Latitude	Cuisines	Continent
Alaknanda	Alaknanda, New Delhi	77.25118	28.52757	North Indian	Asia
Alaknanda	Alaknanda, New Delhi	77.2542022	28.53376	North Indian	Asia
Alaknanda	Alaknanda, New Delhi	77.2546954	28.525267	North Indian	Asia
Alaknanda	Alaknanda, New Delhi	77.248174	28.526931	North Indian	Asia
Ashok Vihar Phase 1	Ashok Vihar Phase 1, New Delhi	77.1736345	28.6873066	North Indian	Asia
Ashok Vihar Phase 1	Ashok Vihar Phase 1, New Delhi	77.1724663	28.6802986	North Indian	Asia
Ashok Vihar Phase 1	Ashok Vihar Phase 1, New Delhi	0	0	North Indian	Asia
Ashok Vihar Phase 2	Ashok Vihar Phase 2, New Delhi	77.1799506	28.6965655	North Indian	Asia
Ashok Vihar Phase 3	Ashok Vihar Phase 3, New Delhi	77.177678	28.6923511	North Indian	Asia
Barakhamba Road	Barakhamba Road, New Delhi	77.2297102	28.6302526	North Indian	Asia
Basant Lok Market, Vasant Vihar	Basant Lok Market, Vasant Vihar, New Delhi	77.16416739	28.55803178	North Indian	Asia
Bhikaji Cama Place	Bhikaji Cama Place, New Delhi	77.1883704	28.5680386	North Indian	Asia
Chander Nagar	Chander Nagar, New Delhi	77.2820446	28.6555014	North Indian	Asia
Chander Nagar	Chander Nagar, New Delhi	77.2822063	28.655449	North Indian	Asia
Chander Nagar	Chander Nagar, New Delhi	77.2822247	28.6512423	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.224214	28.6564057	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.2304115	28.6560115	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.2243841	28.6568732	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.2231981	28.6578654	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.2234955	28.658756	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.2307138	28.6560495	North Indian	Asia
Chandni Chowk	Chandni Chowk, New Delhi	77.2306151	28.6559026	North Indian	Asia

- 4- City columns names are corrected like “SÍ£o Paulo” corrected to “São Paulo”, “Cedar Rapids/Iowa City” corrected to “Cedar Rapids” and “ÛÁstanbul” corrected to “Istanbul”.

City
Ranchi
Randburg
Rest of Hawaii
Rio de Janeiro
San Juan City
Sandton
Santa Rosa
São Paulo
Savannah
Secunderabad
Sharjah
Singapore
Sioux City
Surat
Swan Hill
Tagaytay City
Taguig City
Tampa Bay
Tangerang
Taree
Townsville
Vadodara
Valdosta
Vancouver
Bangalore
Bhopal
Bhubaneswar
Birmingham
Bogor
Boise
Brasilia
Bundaberg
Cairns
Cape Town
Chandigarh
Chatham-Kent
Chennai
Clatskanie
Cochrane
Coimbatore
Colombo
Columbus
Consort
Dalton
Davenport
Dehradun
Des Moines
Ghaziabad
Goa
Goulburn
Gurgaon
Guwahati
Gympie
Hobart
Hyderabad
Indore
Inner City
Istanbul
Jaipur
Jakarta
Johannesburg
Kanpur
Kangeroy
Kochi
Kolkata
Lakeview
Launceston
Lincoln
London
Lucknow

- 5- Created two columns in Zomato global table to display the **Restaurant Name** and **Restaurant Address** by splitting it and further renaming it as mentioned.

Restaurant ID	Country Code	City	Restaurant Name	Restaurant Address
306531	1	New Delhi	PM 2 AM Food Bank	1st Floor, Alaknanda Market, Alaknanda, New Delhi
18354658	1	New Delhi	Punjabi Chaap Corner	Shop 6, GF, Plot 2, NRI Colony, Alaknanda, New Delhi
18311953	1	New Delhi	Lemon Chick	7 & 11, G-1, Raj Tower 1, Alaknanda Shopping Complex, Near Post Office, Alaknanda, New Delhi
18489513	1	New Delhi	Tandoori Kebab	356 Narmada, Alaknanda, New Delhi
3326	1	New Delhi	The Mirch Masala	DDA Murga Market, Near Deep Cinema, Ashok Vihar Phase 1, New Delhi
18457050	1	New Delhi	Puran Dhaba	Shop J-11/11, Sanjay Market, Opposite Nimni Colony, Ashok Vihar Phase 4, Near Ashok Vihar Ph
18375413	1	New Delhi	Rama Desi Ghee Meat Wala	IA, Block 10 C, Ashok Vihar Phase 1, New Delhi
6574	1	New Delhi	Pandit Ji Paranthé Wale	Ashok Vihar Phase 2, New Delhi
1192	1	New Delhi	Apni Rasoi	1, Pocket B, DDA Market, Ashok Vihar Phase 3, New Delhi
18400739	1	New Delhi	Balaji Dhaba	Shop 23, NDMC Market, Babar Road, Near Bengal Market, Barakhamba Road, New Delhi
304211	1	New Delhi	High Street Kitchen & Bar	32, Basant Lok Market, Vasant Vihar, New Delhi
6394	1	New Delhi	Punjabi Tadka	6, UG-64, Ansal Chamber 2, Bhikaji Cama Place, New Delhi
6079	1	New Delhi	Break Fast Point	27, Satnam Park, Bhagat Singh Road, Chander Nagar, New Delhi
6117	1	New Delhi	Breakfast Corner	K-14, Bhagat Singh Road, Satnam Park, Chander Nagar, New Delhi
302490	1	New Delhi	Vaishno Punjabi Dhaba	H 1A, New Gobind Pura, Near, Chander Nagar, New Delhi
304697	1	New Delhi	Adarsh Bhojnalaya	Grd H 1A, New Gobind Pura, Near, Chander Nagar, New Delhi
5459	1	New Delhi	Babu Ram Paranthé Wale	1984-1985, Gali Paranthé Wali, Chandni Chowk, New Delhi
5468	1	New Delhi	Brijwasi Bhoj	376, Near Kucha Ghassi Ram, Chandni Chowk, New Delhi
308008	1	New Delhi	Inderpuri Restaurant	187, Church Mission Road, Fatehpuri, Chandni Chowk, New Delhi
306380	1	New Delhi	Khalsa Hindu Hotel	711, Church Mission Road, Fatehpuri, Chandni Chowk, New Delhi
5466	1	New Delhi	Pt. Babu Ram Devi Dayal Paranthé Wale	9074, Gali Paranthé Wale, Chandni Chowk, New Delhi
5460	1	New Delhi	Sharma Bhojnalay	Gali Paranthé Wali, Chandni Chowk, New Delhi

6- Duplicates append table (Zomato global) and name “**Cuisines**”. Perform some operations on this table.

- Keep only Restaurant ID and Cuisines Columns and delete rest columns.
- Remove duplicates rows from the table.
- Separate each cuisine row wise to calculate total number of maximum cuisines.
- Remove the blank space from cuisine column by trim function in transform tab.

FileHomeHelp

Table tools

NameCuisines

Mark as date table
Calendars

Manage relationships
Relationships

New measure
Calculations

Quick measure column

New table

Structure

Restaurant IDCuisines

5702418North Indian

5702615North Indian

5703500North Indian

18340881North Indian

18381837North Indian

210139North Indian

5600424North Indian

5600642North Indian

5602055North Indian

3400025North Indian

3400341North Indian

3400005North Indian

3400017North Indian

3400325North Indian

3400059North Indian

3400072North Indian

3400073North Indian

3400033North Indian

3400346North Indian

3400350North Indian

3400391North Indian

3400016North Indian

3400326North Indian

Data

Country-Code

Cuisines

Fact Table

Zomato Global

7- Rename Country Master table as **County-Code** and perform operations

- Remove blank rows or null values.
- Remove duplicates to get unique values.

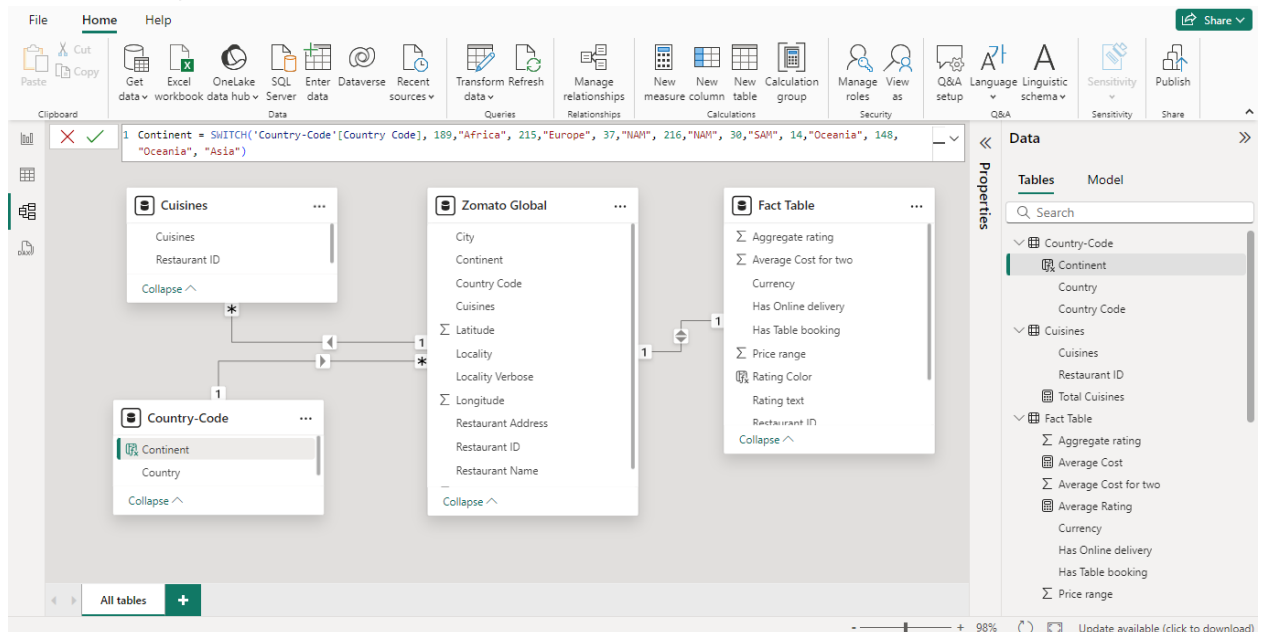
8- Rename KPIs Table as **Fact Table**.

9- Hide the tables (Africa, Asia, Europe, North America, Oceania and South America) by unticking on “Enabled Load”.

10- Now will check the relationships between tables (Country-Code, Cuisines, Fact Table, Zomato Global) in model view

- Country-Code and Zomato Global have many– to – one cardinality.
- Zomato Global and Fact Table have one – to - one cross functional cardinality.

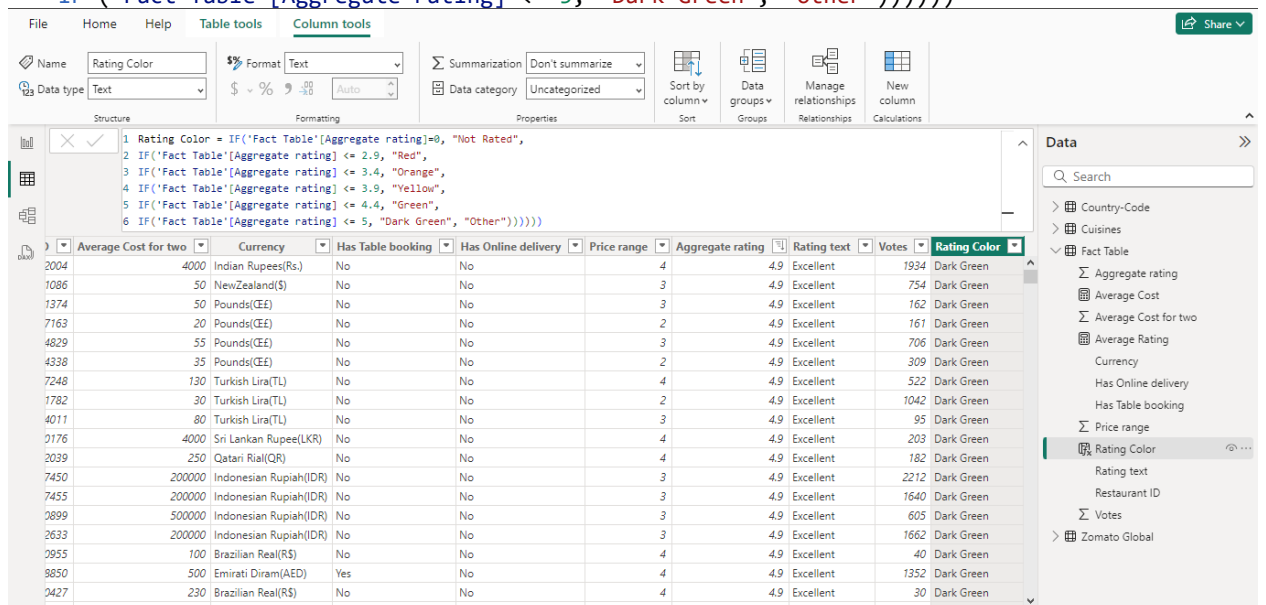
c- Fact Table and Cuisines table have default relationship so, delete that relationship and create between Zomato Global and Cuisines table that is having many-to-one cardinality.



11- Steps to use DAX in the project:

a- Add a new column in Fact Table and name it “Rating Color” and perform operation

```
Rating Color = IF('Fact Table'[Aggregate rating]=0, "Not Rated",
IF ('Fact Table'[Aggregate rating] <= 2.9, "Red",
IF ('Fact Table'[Aggregate rating] <= 3.4, "Orange",
IF ('Fact Table'[Aggregate rating] <= 3.9, "Yellow",
IF ('Fact Table'[Aggregate rating] <= 4.4, "Green",
IF ('Fact Table'[Aggregate rating] <= 5, "Dark Green", "Other"))))))
```



b- Created below measures

- Restaurant Count as “Total Restaurant” (Zomato Global Table)
- Average Cost (Fact Table)
- Average Rating (Fact Table)

- Cuisine Count as “Total Cuisine” (Cuisines Table)

1	Total Restaurant	=	COUNT('Zomato Global'[Restaurant ID])	Visualizations	>>	Data	>>
1	Average Cost	=	AVERAGE('Fact Table'[Average Cost for two])	Visualizations	>>	Data	>>
1	Average Rating	=	AVERAGE('Fact Table'[Aggregate rating])	Visualizations	>>	Data	>>
1	Total Cuisines	=	DISTINCTCOUNT(Cuisines[Cuisines])	Visualizations	>>	Data	>>

c- Created new column in Country-Code table as name it “Continent”

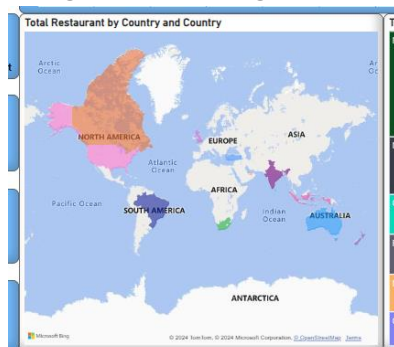
Continent = SWITCH('Country-Code'[Country Code], 189,"Africa", 215,"Europe", 37,"NAM", 216,"NAM", 30,"SAM", 14,"Oceania", 148,"Oceania", "Asia")

File	Home	Help	Table tools	Column tools	Share
Name	Continent	Format	Text	Summarization	Don't summarize
Data type	Text	Format	\$ % 00 00 Auto	Data category	Uncategorized
Structure	Formatting	Properties	Calculations	Sort by column	Sort
1	Continent	=	SWITCH('Country-Code'[Country Code], 189,"Africa", 215,"Europe", 37,"NAM", 216,"NAM", 30,"SAM", 14,"Oceania", 148,"Oceania", "Asia")	Data	>>
Country Code	Country	Continent			
94	Indonesia	Asia			
191	Sri Lanka	Asia			
214	UAE	Asia			
1	India	Asia			
30	Brazil	SAM			
14	Australia	Oceania			
208	Turkey	Asia			
189	South Africa	Africa			
216	United States	NAM			
215	United Kingdom	Europe			
162	Philippines	Asia			
166	Qatar	Asia			
37	Canada	NAM			
148	New Zealand	Oceania			
184	Singapore	Asia			

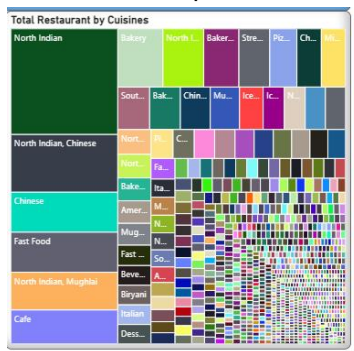
12- Select card visual for measures and put all the four measures into card and do formatting.



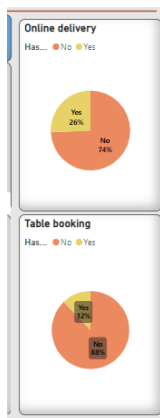
13- Select the map visual – Select Country – Add “Total Restaurant” in tooltips – Bring “Country” to legends – Hide legends.



14- Select Tree map – select cuisines and Total restaurant from Zomato table – formatting.



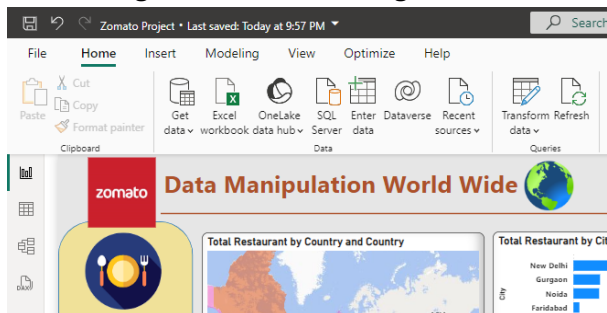
15- Select Slicer – for Country, Continent and City – change setting to dropdown – formatting.



16- Insert Text Box and type – Data Manipulation Worldwide.



17- Insert Images and do formatting.



18- Change canvas background settings.

19- Add Charts

- Clustered bar chart for Total Restaurant by city and Rating Color.
- Pie chart for Online delivery and online reservations.

