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**".

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.

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.

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

    a- Keep only Restaurant ID and Cuisines Columns and delete rest columns.

    b- Remove duplicates rows from the table.

    c- Separate each cuisine row wise to calculate total number of maximum cuisines.

    d- Remove the blank space from cuisine column by trim function in transform tab.

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

    a- Remove blank rows or null values.

    b- Remove duplicates to get unique values.

8- Rename KPIs Table as **Fact Table**.
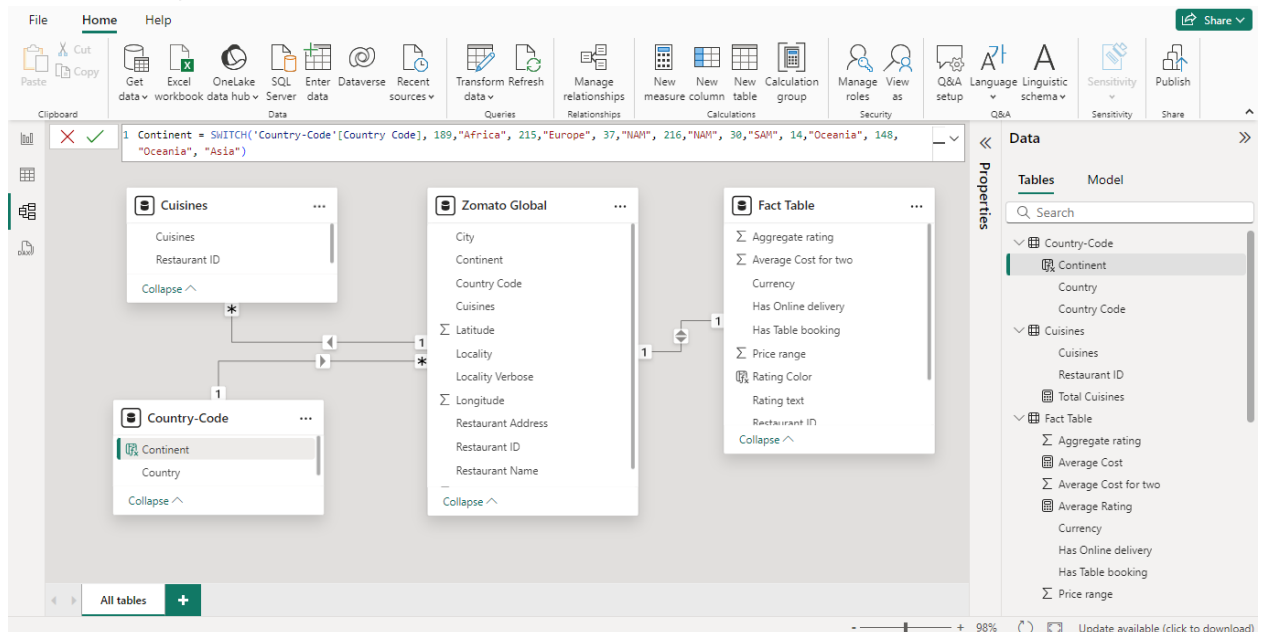
9- Hide the tables (Africa, Asia, Europe, North America, Oceania and South America) by unticking on "Enabled Load".

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

    a- Country-Code and Zomato Global have many– to – one cardinality.

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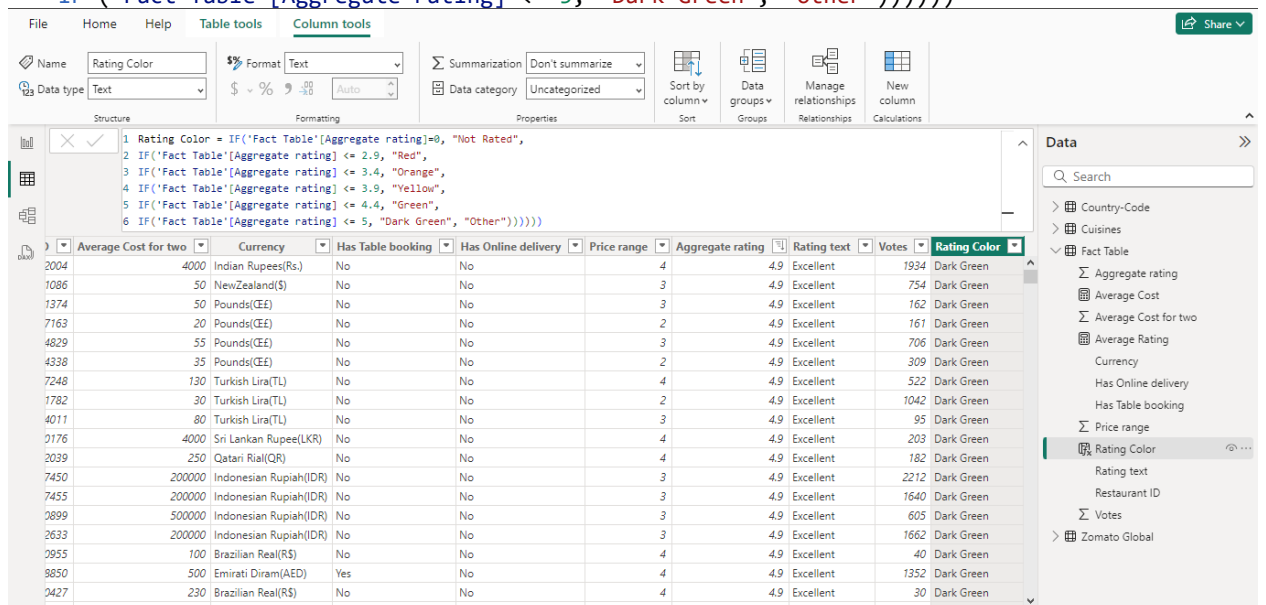
c- Fact Table and Cuisines table have default relationship so, delete that relationship and create between Zomato Global and Cuisines table that is having many– to – one cardinality.

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])
```

```
1 Average Cost = AVERAGE('Fact Table'[Average Cost for two])
```

```
1 Average Rating = AVERAGE('Fact Table'[Aggregate rating])
```

```
1 Total Cuisines = DISTINCTCOUNT(Cuisines[Cuisines])
```

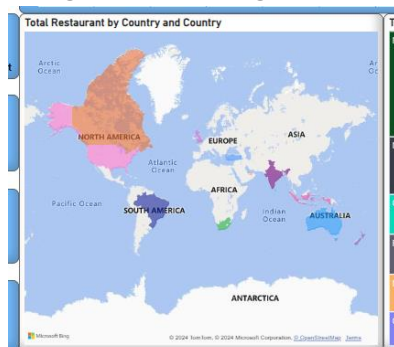c- Created new column in Country-Code table as name it "**Continent**"

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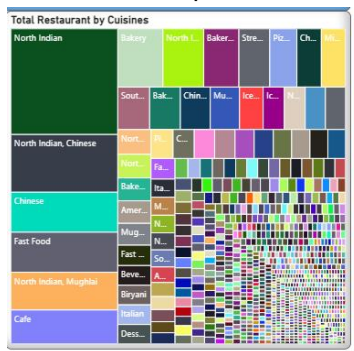216,"NAM", 30,"SAM", 14,"Oceania", 148,"Oceania", "Asia")

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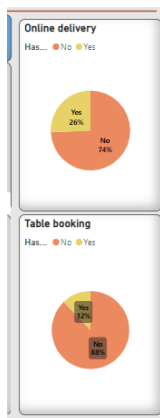

13- Select the map visual – Select Country – Add "Total Restaurant" in tooltips – Bring "Country" to legends – Hide legends.

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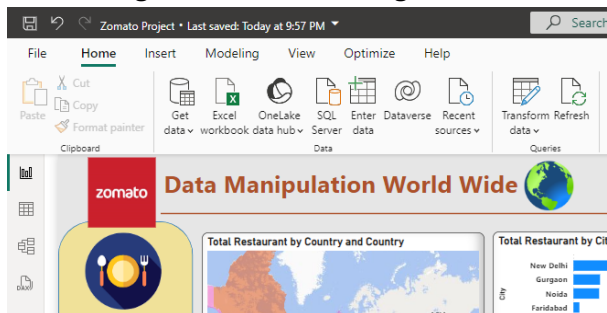

15- Select Slicer – for Country, Continent and City – change setting to dropdown – formatting.

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

17- Insert Images and do formatting.

18- Chage 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.