

1. Import the data from all available Excel files

Table: All country data (9,551 rows) Column: Restaurant ID (9,551 distinct values)

2. Data transformation:

- Make sure the **City** column names are corrected

For example:

“Sífo Paulo” should be corrected to “São Paulo”

- Ensure the city name isn't ambiguous

For example:

“Cedar Rapids/Iowa City” should be corrected to “Cedar Rapids”

“ÔÁstanbul” should be corrected to “Istanbul”

Table: ReplaceValue(*Filtered Rows*, "Sífo Paulo", "São Paulo", Replacer.ReplaceText, {"City"})

Power Query Editor - Zomato

Query: Table.ReplaceValue(#Replaced Value1,"İstanbul","İstanbul",Replacer.ReplaceText,{"City"})

Restaurant ID	Country Code	City	Restaurant Name	Restaurant Address
1	18395463	189 Cape Town	The Butcher's Wife	15 Belgravia Road, Athlone, Cape Town
2	18337845	189 Cape Town	Coco Safar	Ground Floor, Cavendish Square, Claremont, Cape Town
3	6401732	189 Cape Town	La Parada	107 Bree Street, CBD, Cape Town
4	6401060	189 Cape Town	Jason Bakery	185 Bree Street, CBD, Cape Town
5	6400421	189 Cape Town	Truth Coffee	36 Buitenkant Street, CBD, Cape Town
6	6402177	189 Cape Town	Salushi	25 Protea Road, Claremont, Cape Town
7	6401198	189 Cape Town	Origin Coffee Roasting	28 Hudson Street, De Waterkant, Cape Town
8	6401054	189 Cape Town	Kloof Street House	30 Kloof Street, Gardens, Cape Town
9	6403291	189 Cape Town	Jerry's Burger Bar	5 Park Road, Kloof Street, Gardens, Cape Town
10	6403499	189 Cape Town	Active Sushi	32 Hudson Street, Mirage Building, Green Point, Cape Town
11	6400191	189 Cape Town	Beluga	The Foundry, Prestwich Street, Green Point, Cape Town
12	6404082	189 Cape Town	Rocomamas	107a Main Road, Green Point, Cape Town
13	6401485	189 Cape Town	The Creamery	Newlands Quarter, Dean Street, Newlands, Cape Town
14	6400621	189 Cape Town	Nobu - One&Only	One & Only Hotel, Dock Road, V & A Waterfront, Cape Town
15	6403544	189 Cape Town	Jarryds	90 Regent Road, Sea Point, Cape Town
16	6403452	189 Cape Town	My Sugar	77 Regent Road, Sea Point, Cape Town
17	6402163	189 Cape Town	Grand Café & Beach	Granger Bay Road, Granger Bay, V & A Waterfront, Cape Town
18	6401789	189 Cape Town	tashas	Ground Level, Victoria Wharf, V & A Waterfront, Cape Town
19	6400235	189 Cape Town	Gibson's Gourmet Burgers & Ribs	Shop 157, Lower Level, Victoria Wharf, V & A Waterfront, Cape Town
20	6400217	189 Cape Town	Willoughby & Co.	Ground Level, Victoria Wharf, V & A Waterfront, Cape Town
21	6501534	189 Inner City	Cube - Tasting Kitchen	24 Allreicht Road, Maboneng Precinct, City and Suburbs, Inner City
22	18339973	189 Inner City	Urbanologi	1 Fox Street, Marshalltown, Inner City, Johannesburg
23	6517396	189 Johannesburg	Momo Bauhaus	139 Greenway, Greenside, Johannesburg

3. Remove any columns that aren't being used

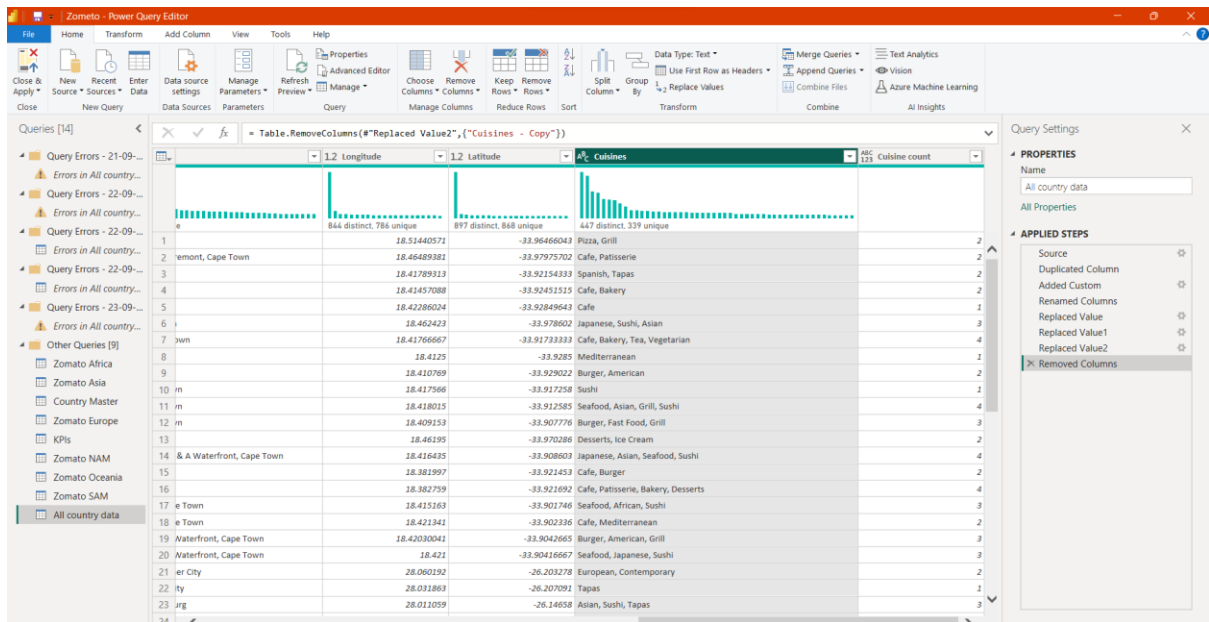
4. Create two columns to display the **Restaurant Name** and **Restaurant Address**

Power Query Editor - Zomato

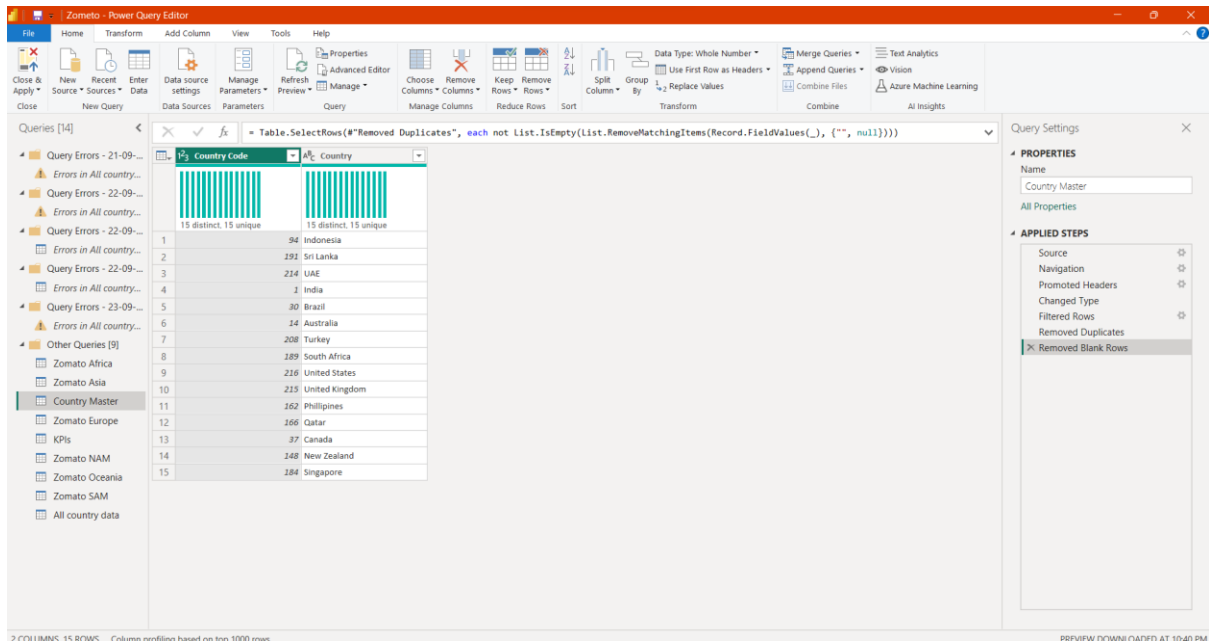
Query: Table.RemoveColumns(#Replaced Value2,{"Cuisines - Copy"})

Restaurant ID	Country Code	City	Restaurant Name	Restaurant Address
1	18395463	189 Cape Town	The Butcher's Wife	15 Belgravia Road, Athlone, Cape Town
2	18337845	189 Cape Town	Coco Safar	Ground Floor, Cavendish Square, Claremont, Cape Town
3	6401732	189 Cape Town	La Parada	107 Bree Street, CBD, Cape Town
4	6401060	189 Cape Town	Jason Bakery	185 Bree Street, CBD, Cape Town
5	6400421	189 Cape Town	Truth Coffee	36 Buitenkant Street, CBD, Cape Town
6	6402177	189 Cape Town	Salushi	25 Protea Road, Claremont, Cape Town
7	6401198	189 Cape Town	Origin Coffee Roasting	28 Hudson Street, De Waterkant, Cape Town
8	6401054	189 Cape Town	Kloof Street House	30 Kloof Street, Gardens, Cape Town
9	6403291	189 Cape Town	Jerry's Burger Bar	5 Park Road, Kloof Street, Gardens, Cape Town
10	6403499	189 Cape Town	Active Sushi	32 Hudson Street, Mirage Building, Green Point, Cape Town
11	6400191	189 Cape Town	Beluga	The Foundry, Prestwich Street, Green Point, Cape Town
12	6404082	189 Cape Town	Rocomamas	107a Main Road, Green Point, Cape Town
13	6401485	189 Cape Town	The Creamery	Newlands Quarter, Dean Street, Newlands, Cape Town
14	6400621	189 Cape Town	Nobu - One&Only	One & Only Hotel, Dock Road, V & A Waterfront, Cape Town
15	6403544	189 Cape Town	Jarryds	90 Regent Road, Sea Point, Cape Town
16	6403452	189 Cape Town	My Sugar	77 Regent Road, Sea Point, Cape Town
17	6402163	189 Cape Town	Grand Café & Beach	Granger Bay Road, Granger Bay, V & A Waterfront, Cape Town
18	6401789	189 Cape Town	tashas	Ground Level, Victoria Wharf, V & A Waterfront, Cape Town
19	6400235	189 Cape Town	Gibson's Gourmet Burgers & Ribs	Shop 157, Lower Level, Victoria Wharf, V & A Waterfront, Cape Town
20	6400217	189 Cape Town	Willoughby & Co.	Ground Level, Victoria Wharf, V & A Waterfront, Cape Town
21	6501534	189 Inner City	Cube - Tasting Kitchen	24 Allreicht Road, Maboneng Precinct, City and Suburbs, Inner City
22	18339973	189 Inner City	Urbanologi	1 Fox Street, Marshalltown, Inner City, Johannesburg
23	6517396	189 Johannesburg	Momo Bauhaus	139 Greenway, Greenside, Johannesburg

5. Make a separate table for the list of the cuisines that each restaurant serves



6. As it's a dimension table, the **Country-Code** table must only include unique and non-blank values



Steps to use DAX in the project:

1) Add a **Rating color** column in an appropriate table with the data rows in the format given below

Aggregate rating

Rating color

Above 4.5

Dark Green

4 to 4.4

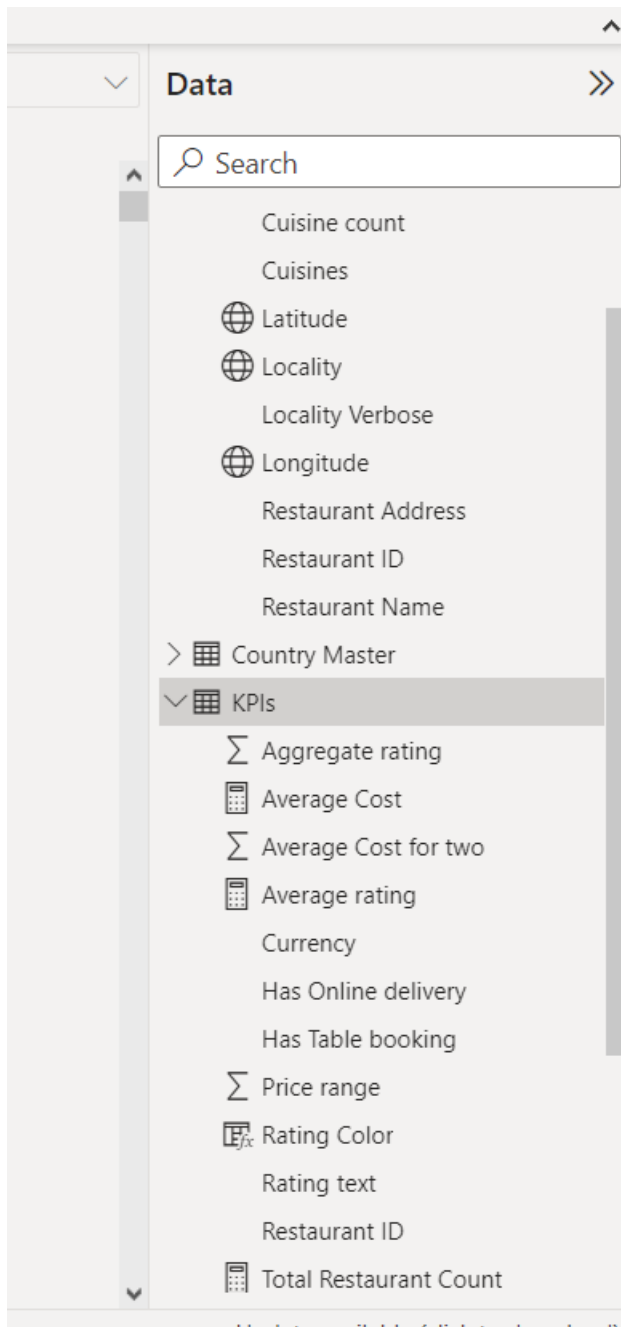
Green

The screenshot shows the Zomato Power BI Desktop interface. The main data table is displayed with the following columns: Restaurant ID, Average Cost for two, Currency, Has Table booking, Has Online delivery, Price range, Aggregate rating, Rating text, Votes, and Rating Color. The Rating Color column is currently blank for all rows. The Data pane on the right shows the hierarchy of tables and measures, including KPIs, Aggregate rating, Average Cost, Average rating, Currency, Has Online delivery, Has Table booking, Price range, Rating Color, Rating text, Restaurant ID, Total Restaurant Count, and Votes.

Restaurant ID	Average Cost for two	Currency	Has Table booking	Has Online delivery	Price range	Aggregate rating	Rating text	Votes	Rating Color
18433852	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18465871	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18471268	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18472429	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18471296	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18466420	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18464607	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18464631	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18433879	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18480389	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18446428	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18446082	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18471244	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18424179	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18294253	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18471308	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18471320	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18398616	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18481295	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18462605	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18463989	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18463992	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18451168	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18312606	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18393717	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18392211	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18438453	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White
18464630	300	Indian Rupees(Rs.)	No	No	1	0	Not rated	0	White

2) Create the following measures in the appropriate tables

- Restaurant count
- Average cost
- Average rating
- Cuisine count



3) Create a new column in the **Country Code** table and name it “**Continent**” and create the values using the below-mentioned convention

Note: The mapping is continent - country, for example "Africa – South Africa"

FileHomeHelp

Table tools

NameCountry Master

Mark as date tableCalendars

Manage relationshipsRelationships

New measureNew Quick measureNew column calculations

New table

Structure

Country CodeCountryContinent

94	Indonesia	Asia
191	Sri Lanka	Asia
214	UAE	Asia
7	India	Asia
30	Brazil	South America
14	Australia	Oceania
208	Turkey	Asia
189	South Africa	Africa
216	United States	North America
215	United Kingdom	Europe
162	Philippines	Asia
166	Qatar	Asia
37	Canada	North America
148	New Zealand	Oceania
184	Singapore	Asia

Search

All country data

City

Country Code

Cuisine count

Cuisines

Latitude

Locality

Locality Verbose

Longitude

Restaurant Address

Restaurant ID

Restaurant Name

Country Master

KPIs

Zomato Africa

Zomato Asia

Zomato Europe

Zomato NAM

Zomato Oceania

Zomato SAM