Data Transformation in Power BI
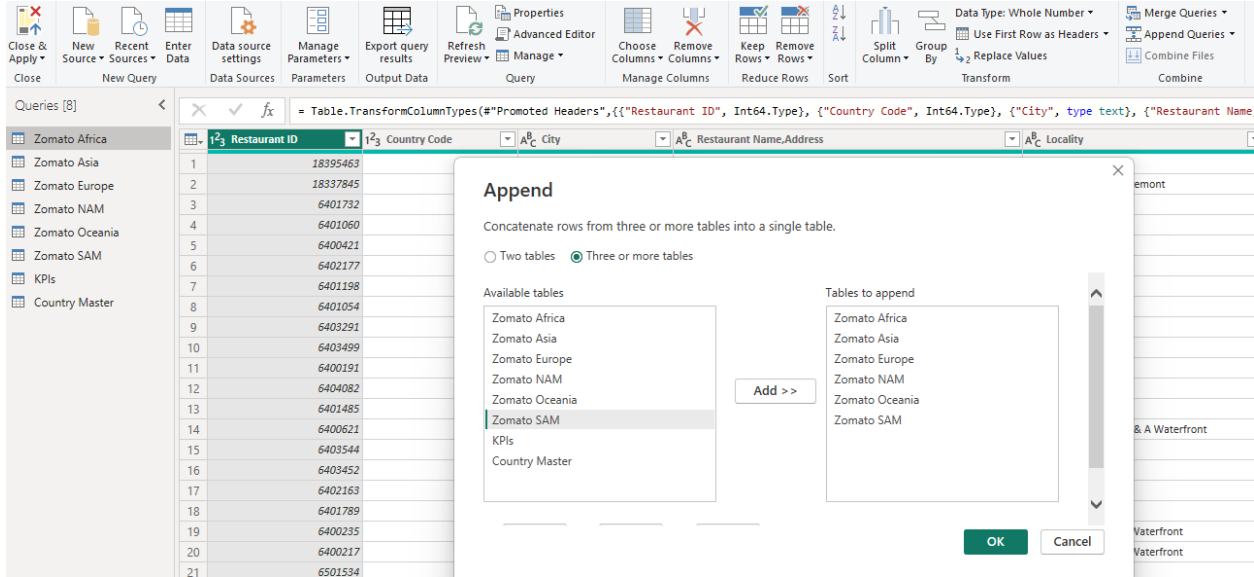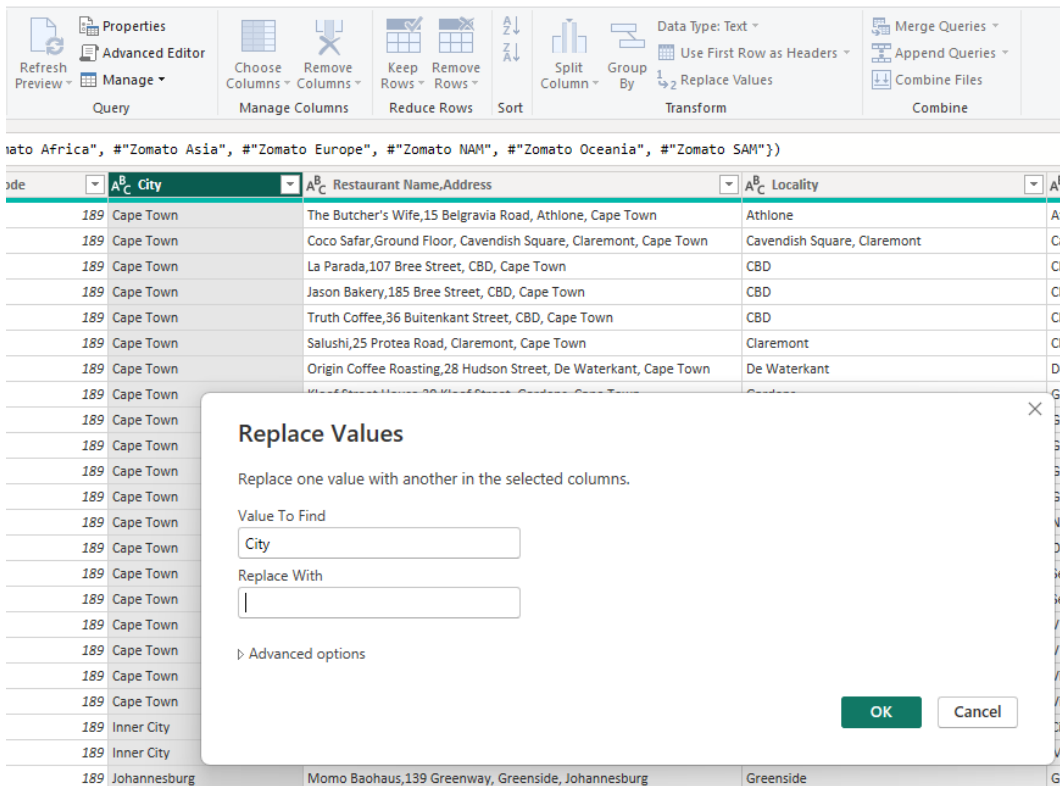
✓ Merge Tables using Append

✓ Remove "City" from city names using Replace Values

✓ Splitting column values in two columns (Restaurant Name & Address)

	Choose Columns ▾	Remove Columns ▾	Keep Rows ▾	Remove Rows ▾	A↓Z Z↓A	Split Column ▾	Group By	Data Type: Text ▾ Use First Row as Headers ▾ ₁₂ Replace Values	Merge Queries ▾ Append Queries ▾ Combine Files
tor	Manage Columns		Reduce Rows		Sort			Transform	Combine

`tanbul","Istanbul",Replacer.ReplaceText,{"City"})`

▾	A^B_C Restaurant Name,Address	▾	A^B_C Locality	▾
	The Butcher's Wife,15 Belgravia Road, Athlone, Cape Town		Athlone	
	Coco Safar,Ground Floor, Cavendish Square, Claremont, Cape Town		Cavendish Square, Claremont	
	La Parada,107 Bree Street, CBD, Cape Town		CBD	
	Jason Bakery,185 Bree Street, CBD, Cape Town		CBD	
	Truth Coffee,36 Buitenkant Street, CBD, Cape Town		CBD	

Split Column by Delimiter

Specify the delimiter used to split the text column.

Select or enter delimiter

    Comma   ▾

Split at

◉ Left-most delimiter

○ Right-most delimiter

○ Each occurrence of the delimiter

▷ Advanced options

Quote Character

    "   ▾

☐ Split using special characters
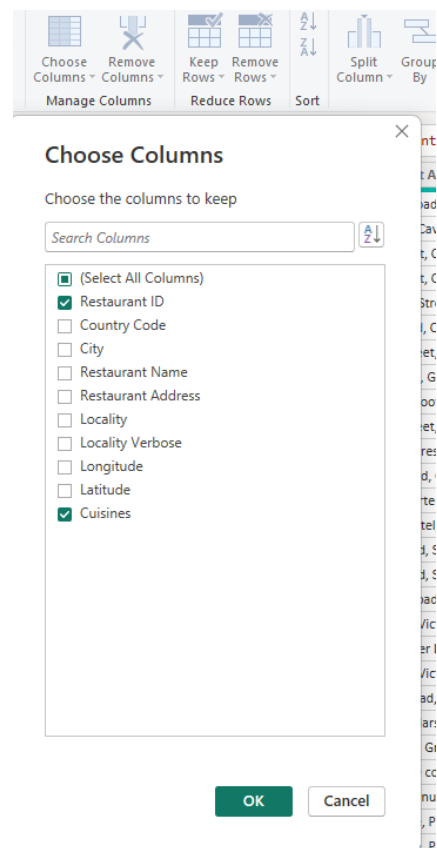
    Insert special character ▾

    OK   Cancel

✓ Change Column Headers

ABC Restaurant Name	ABC Restaurant Address
The Butcher's Wife	15 Belgravia Road, Athlone, Cape Town
Coco Safar	Ground Floor, Cavendish Square, Claremont, Cape Town
La Parada	107 Bree Street, CBD, Cape Town
Jason Bakery	185 Bree Street, CBD, Cape Town
Truth Coffee	36 Buitenkant Street, CBD, Cape Town
Salushi	25 Protea Road, Claremont, Cape Town
Origin Coffee Roasting	28 Hudson Street, De Waterkant, Cape Town
Kloof Street House	30 Kloof Street, Gardens, Cape Town
Jerry's Burger Bar	5 Park Road, Kloof Street, Gardens, Cape Town
Active Sushi	32 Hudson Street, Mirage Building, Green Point, Cape Town
Beluga	The Foundry, Prestwich Street, Green Point, Cape Town

✓ Create a new table "Cuisines" having Restaurant ID and Cuisines columns only

✓ Duplicated Append1 table
   o selecting only Restaurant ID and Cuisines columns under Choose Columns
   o renaming the file as "Cuisines"

The application interface shows the following menu items and data:

Ribbon menu:
- Close & Apply (Close)
- New Source, Recent Sources, Enter Data (New Query)
- Data source settings (Data Sources)
- Manage Parameters (Parameters)
- Export query results (Output Data)
- Refresh Preview, Properties, Advanced Editor, Manage (Query)
- Choose Columns, Remove Columns (Manage Columns)

Queries [10]:
- Zomato Africa
- Zomato Asia
- Zomato Europe
- Zomato NAM
- Zomato Oceania
- Zomato SAM
- KPIs
- Country Master
- Append1
- Cuisines

Formula bar:
`= Table.RemoveColumns(#"Renamed Columns",{"Country Code", "City", "F`

	Restaurant ID	Cuisines
1	18395463	Pizza, Grill
2	18337845	Cafe, Patisserie
3	6401732	Spanish, Tapas
4	6401060	Cafe, Bakery
5	6400421	Cafe
6	6402177	Japanese, Sushi, Asian
7	6401198	Cafe, Bakery, Tea, Vegetarian
8	6401054	Mediterranean
9	6403291	Burger, American
10	6403499	Sushi
11	6400191	Seafood, Asian, Grill, Sushi
12	6404082	Burger, Fast Food, Grill
13	6401485	Desserts, Ice Cream
14	6400621	Japanese, Asian, Seafood, Sushi
15	6403544	Cafe, Burger
16	6403452	Cafe, Patisserie, Bakery, Desserts
17	6402163	Seafood, African, Sushi

✓ Separating Cuisines for each unique restaurant

  o Method One: Split the Cuisines column by "Comma and Space" by Row

	Restaurant ID	Cuisines
1	18395463	Pizza, Grill
2	18337845	Cafe, Patisserie
3	6401732	Spanish, Tapas
4	6401060	Cafe, Bakery
5	6400421	Cafe
6	6402177	Japanese, Sushi, Asian
7	6401198	Cafe, Bakery, Tea, Vegetarian
8	6401054	Mediterranean
9	6403291	Burger, American
10	6403499	Sushi
11	6400191	Seafood, Asian, Grill, Sushi
12	6404082	Burger, Fast Food, Grill
13	6401485	Desserts, Ice Cream
14	6400621	Japanese, Asian, Seafood, Sushi
15	6403544	Cafe, Burger
16	6403452	Cafe, Patisserie, Bakery, Desserts
17	6402163	Seafood, African, Sushi
18	6401789	Cafe, Mediterranean
19	6400235	Burger, American, Grill
20	6400217	Seafood, Japanese, Sushi
21	6501534	European, Contemporary
22	18339373	Tapas
23	6517396	Asian, Sushi, Tapas
24	6502688	European, Pizza
25	6515130	Burger, Finger Food, Pizza
26	6502341	American, Burger
27	6516766	American
28	18370704	Continental, South African, Beverages, Desserts
29	75027	African
30	18199767	Burger, Steak, Seafood
31	75031	Indian

Split Column by Delimiter

Specify the delimiter used to split the text column.

Select or enter delimiter

--Custom--

,

Split at
- ○ Left-most delimiter
- ○ Right-most delimiter
- ● Each occurrence of the delimiter

◢ Advanced options
Split into
- ○ Columns
- ● Rows

Quote Character
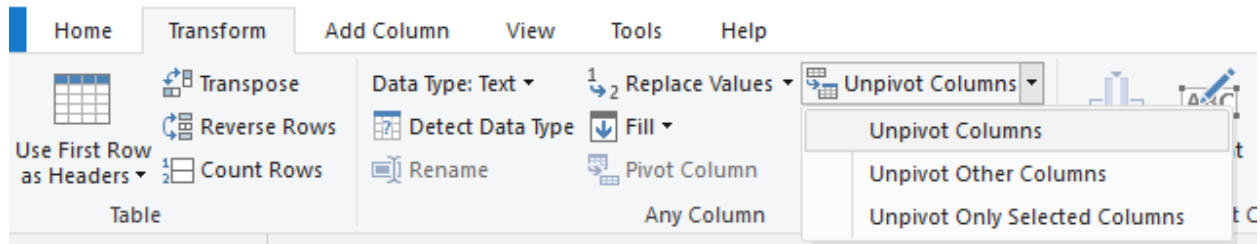
"

☐ Split using special characters

Insert special character ▾

[OK] [Cancel]

- o **Method 2: If used by Columns instead Row as default, it will transform into multiple columns**

	Restaurant ID	Cuisines.1	Cuisines.2	Cuisines.3	Cuisines.4	Cuisines.5	Cuisines.6	Cuisines.7
1	18395463	Pizza	Grill	null	null	null	null	null
2	18337845	Cafe	Patisserie	null	null	null	null	null
3	6401732	Spanish	Tapas	null	null	null	null	null
4	6401060	Cafe	Bakery	null	null	null	null	null
5	6400421	Cafe	null	null	null	null	null	null
6	6402177	Japanese	Sushi	Asian	null	null	null	null
7	6401198	Cafe	Bakery	Tea	Vegetarian	null	null	null
8	6401054	Mediterranean	null	null	null	null	null	null
9	6403291	Burger	American	null	null	null	null	null
10	6403499	Sushi	null	null	null	null	null	null
11	6400191	Seafood	Asian	Grill	Sushi	null	null	null
12	6404082	Burger	Fast Food	Grill	null	null	null	null
13	6401485	Desserts	Ice Cream	null	null	null	null	null
14	6400621	Japanese	Asian	Seafood	Sushi	null	null	null

✓ Unpivot Columns to make a single Cuisines column to avoid multiple columns

| Home | Transform | Add Column | View | Tools | Help |

Use First Row as Headers ▾

Transpose
Reverse Rows
Count Rows

Table

Data Type: Text ▾
Detect Data Type
Rename

Replace Values ▾
Fill ▾
Pivot Column

Any Column

Unpivot Columns ▾
  Unpivot Columns
  Unpivot Other Columns
  Unpivot Only Selected Columns

✓ Converting "Country" column to only unique and non-blank values (fixing null)

	Zomato Africa
	Zomato Asia
	Zomato Europe
	Zomato NAM
	Zomato Oceania
	Zomato SAM
	KPIs
	Country Master
	Append1
	Cuisines

	1²₃ Country Code	AᵇC Country.1.1
1	94	Indonesia
2	94	Indonesia
3	null	null
4	191	Sri Lanka
5	214	UAE
6	94	Indonesia
7	1	India
8	30	Brazil
9	null	null
10	14	Australia
11	208	Turkey
12	189	South Africa
13	1	India
14	216	United States
15	null	null

✓ Removing null and duplicate values (data cleaning)

✓ Adding a "Continent" Column manually for each country

→ Add Columns → Column From Examples → From All Columns

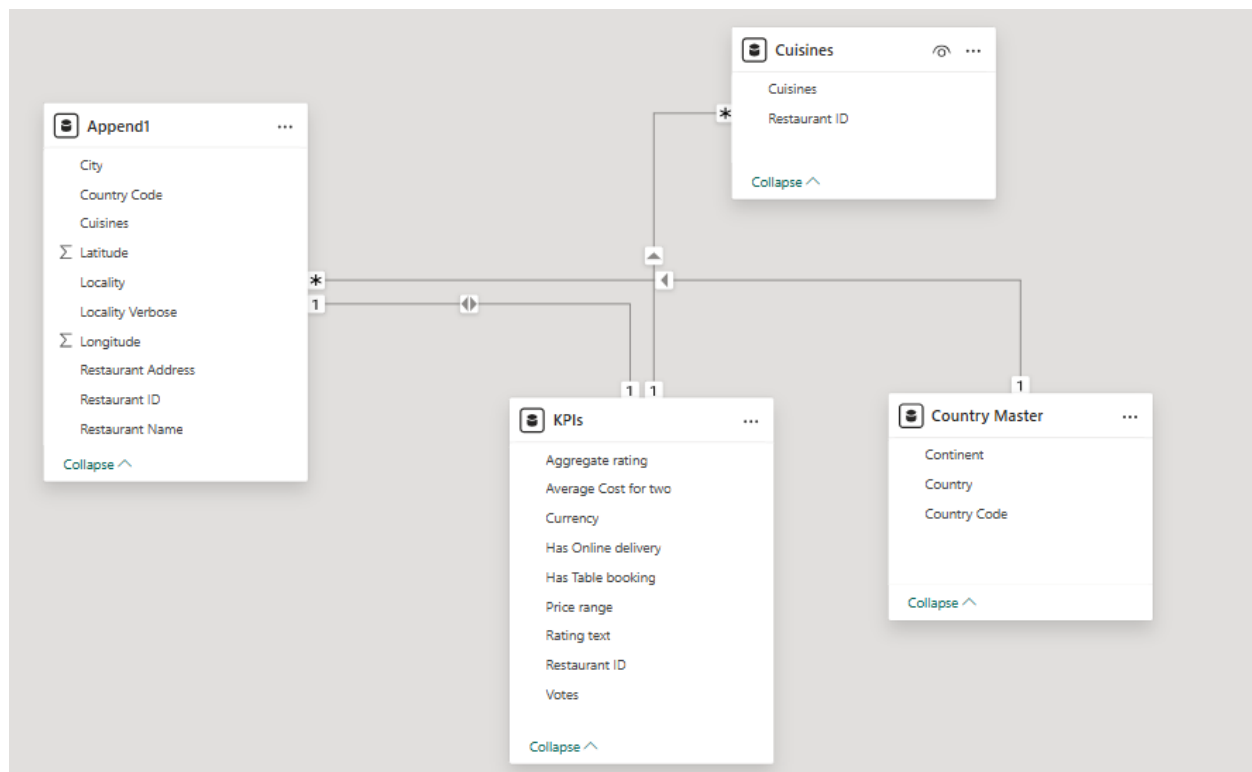| 1²₃ Country Code	AᵇC Country.1.1	AᵇC Continent
94	Indonesia	Asia
191	Sri Lanka	Asia
214	UAE	Asia
1	India	Asia
30	Brazil	South America
14	Australia	Oceania
208	Turkey	Asia
189	South Africa	Africa
216	United States	North America
215	United Kingdom	Europe
162	Phillipines	Asia
166	Qatar	Asia
37	Canada	North America
148	New Zealand	Oceania
184	Singapore	Asia

✓ Data Model (Model view)

→ Final tables (Append1, KPIs, Country Master & Cuisines)

✓ *Data is ready for further analysis/ visualization!*