Data Manipulation and Reporting with Power BI.

Course-end Project 1

- Select all excel file one by one and load into Power Bi .
- Now we have to meagre all 6-continent file into one excel (before doing that we have to check all 6 continent file having same column name) provide new excel name as “Zomato Global “ .
- We using “Append Queries as new” for more than two table .as new to meagre more than three excel sheet .
- Now Check city name is correct or need to changes if anything look awkward.
- Removed column those are not use from Zomato global excel file – Locality and Locality verbose.
- Restaurant name and Address combine together so we shall split into name and address and creating two column by split column by “Delimiter” and select “left most delimiter” after operation rename column as- Restaurant name and Address
- Next doing this –“Make a separate table for the list of the cuisines that each restaurant serves” for that we have to move Zomato global table and duplicate the Zomato global and rename as Cuisines and then remove all column and keep only Restaurant ID and Cuisines then move to cuisines column and split column by delimiter because all name and separated by delimiter select “Each occurrence of delimiter” and go to advance option and keep it “Row” and okay. All cuisines split in row wise .
- Remove Blank Row and Duplicate from Country Code File and save it .
- Duplicate the KPI sheet and rename to Fact table.
- Hide all the table which are not using or which data are meagre with other active table
- SAVE AND CLOSE-end of data cleansing
- Open Model View and make a relation with common column between tables
- Move to table view
- Go to Fact table change colour for RATING column as condition described.
- Using IF dax function by adding new column and name RATING COLOUR.
- IF(aggregate column = 0, then show “Not rated”,
  IF(aggregate column <= 2, then show “ red”,
  IF(aggregate column <= 3, then show “ Yellow” ,
  IF(aggregate column <= 4, then show “ Green” ,
  IF(aggregate column <= 4.5, then show “ Deep green” ,)))))
- Complete the operation
- Next using “MEASURE”
- Measure Restaurant Count = go to Zomato global add new measure and use “Count(restaurant id column selected)
- Measure Avg cost , using , AVG(avg cost for two, as column selected)
- Measure Avg rating , using, AVG(aggregate rating as column selected)
- Measure Cuisine Count , using Count(cuisine)
- Next mapping continent using SWITCH function as , SWITCH (country code , 189, S Africa, 215 , Europe ……..) and complete the operation .
- Next move to visualization
- Using card to show-Total of restaurant, Avg cost, Cuisines Count , Avg rating, count of currency dealings and hover the related data from respective table .
- Using map to show restaurant by country “location =country, legend = country”
- Clustered bar chart restaurant by city “Y = city, X= restaurant count”
- Using pie chart , plot percentage of online delivery available or not “legend = has online delivery, value = restaurant count”
- Using Tree map- restaurant count by Cuisines “ category = Cuisines , value = restaurant count”
- Stacked bar chart “Y =rating colour, X= restaurant count”
- Pie chart showing – Table booked or not “legend = has table booking, value = restaurant count”
- Use Slicer for = Country , Continent and City.
- Total Visualization spread in three sheet for better view .
- Using matchable colour code to look attractive
- End

Project link Google Drive : https://drive.google.com/file/d/1_fUiiDiFLMBw6rHEubS67w-DBUgwnKAf/view?usp=drive_link

Completed by :Subhapriya Sanki (Professional Certificate Program in Business Analysis)