Power BI Assignment-5

1.Data Analysis Expressions (DAX) is used in Analysis Services, Power a formula expression language BI, Data Analysis Expressions (DAX) is a formula expression language used in Analysis Services, Power BI, and Power Pivot in Excel.   
  
  
DAX formulas include functions, operators, and values to perform advanced calculations and queries on data in related tables and columns in tabular data models.

2.Dataset- the source of data ready for reporting and visualization.  A dataset is sometimes called a model as well but in the Power BI terminology, it should be referred to as a dataset.  The dataset is created by connecting to data and making it available to be used in Power BI.  A dataset could be made up of many different data sources (web pages, Excel, SQL, SharePoint, OneDrive files, other applications like Twitter, Facebook or Quickbooks) combined

**Report –** this is the way to represent your data.  The data is represented in visuals – which can be a basic textual table to a highly graphic interactive and colorful view.  This is the visual representation of your dataset.

**Dashboard –** the dashboard is accessible on the service only.  A dashboard is a page, or canvas, that uses the visualizations from the report page.  It can be a selection of specific visuals from one or many different reports.  Or, it can be an entire report page (tab) pinned as a dashboard.  Or, it could be any combination of specific visuals or entire pages (tabs).  And, it can be created with almost any combination from different reports.ow

Relation between this three

are : from processed dataset we make multiple report ,and from report we make dashboard. So, the are related hierarchically.

3.There are 3 primary section in power bi where we create reports :

Canvas-the central white portions where reports are being create.

Field pane-where queries and columns of dataset present.

Visualization pane-where all the formatting of visualization is done.

There are two methods to create reports:

Method-1

* Select 2 columns from field pane to visualize the data in 2D chart.
* After clicking them a suitable visuals will appear in canvas.
* Drag them and position them ,use formatting options in visualization pane for customization.
* If u want to change the type of graph, select the chart title in canvas and click the required type of graph in visualization plane.

Method-2

* Select the chart type ,an empty tile will appear in canvas.
* Click and drag the columns and values to field in visualization .
* If we want to categorize the 2D plot with category as 3D dimension the drop the column in legend field.
* Use formatting option in visualization pane as per as ur requirements .

4.steps to connect google analytics:

* Open Power BI desktop, now click on get data, from the drop down click on more.
* Now go to online service present in left side and then click google analytics and click connect.
* Now login to google analytics is required than you can load data.
* A complete report can be seen.

5.Importing local files in power bi:

* Click on get data, from the drop down select excel or csv or anything else from where you want the data to be loaded.
* Now select the data file and click on load data.
* Now you can see the data has been loaded.

6.There are two modes for interacting with reports in the power bi: editing view and reading view. If you are a **business user**, then you are more likely to use **reading view** .If you are a business user , then you are more likely to use reading view to consume reports created by others. **Editing view** is used **by report designers**, who create the reports and share them with you. Reading view is your way to explore and interact with reports by colleagues.

related tables and columns in tabular data models.