**Power BI Assignment 5**

1. Explain DAX.

Ans: DAX is a collection of functions, operators, and constants that can be used in a formula, or expression, to calculate and return one or more values. Stated more simply, DAX helps you create new information from data already in your model

1. Explain datasets, reports, and dashboards and how they relate to each other?

Data sets is nothing but the raw data that we got from different data source. It contains some missing data, errors in short it has no proper data.

After performing ETL operations new report generated that has the correct data with correct data type for example date column has data in date format only number column has data in whole number.

After that report we need to established the relationship between different tables and then will move for a dashboard.

Dashboard is nothing but the page which gives you insight of the business.

Dashboard related to reports and reports related to data sets hence they all are connected with other.

1. How reports can be created in power BI, explain two ways with Navigation of each.

Reports can be created by Power BI desktop as well as Power BI Services.

In PBI Desktop Steps:

1. Import the data eg. Sales data from data source.
2. Transform the data in Power Query Editor.
3. Close and apply all.
4. Create relationship between tables.
5. Create important measures.
6. Create visuals to show insight of Business.
7. Publish to my workspace.

In PBI Services Steps:

1. Edit visuals
2. We can add or pin the visuals and can create customized dashboard with the same data.
3. We can use different measure for different visual.
4. We can download the report from PBI services and can add more alteration in PBI desktop.
5. How to connect to data in Power BI? How to use the content pack to connect to google analytics? Mention the steps.
6. Ans:

In Power BI Desktop, click “Get Data” from the Home ribbon tab.

* 1. Select “Online Services” from the categories in the left pane.
  2. Select Google Analytics from the list of online services.
  3. At the bottom of the window, click “Connect.”
  4. You’ll be prompted with a dialog that explains that the Google Analytics connector is a third-party service. Click “Continue” to move forward.
  5. You’ll be prompted to sign in to Google Analytics. When you enter your credentials, you’ll see a message that Power BI would like to have online access. To let Power BI Desktop access your GA data, you’ll want to accept.
  6. After you accept, Power BI Desktop will show that you’re signed in to Google Analytics.
  7. Select “Connect” to link your Google Analytics data with Power BI Desktop.

1. How to import Local files in Power BI? Mention the Steps.

Ans:

To import data, go to the ‘Home’ tab click on ‘Get data’ select the ‘Folder’ source then click ‘OK’

Paste the path of the folder and click OK.

Here you can see the metadata information of all three files also you can see the four options ‘Combine’, ‘Load’, ‘transform Data’ and ‘Cancel’.

Combine

Here, you can see the two options ‘Combine & Transform’ and ‘Combine & Load’. In combine & transform, you can merge two or more tables and transfer through power query. In Combine & load, you can merge the table and load directly.

Load

 This is used to load the folder directly

Transform

This option is used to transform the data.

Cancel

If you paste the wrong path of the folder or if you want to go back to the home page or previous page, you just click on ‘Cancel’.

Here in this article, I am going to use ‘Combine & Load’.

Step 2

Once you click on ‘Combine & Load’ you get the option sample file, choose the file you want to load here.

Your file has loaded now you can see the file on the left side of the tool.

Step 3

Our third step is to create a report. In the first report, I am showing the department-wise salary. Here I am selecting table visualization and three columns i.e. ‘DPT\_NAME’, ‘DPT\_ID’ and ‘SALARY’.

In the second report I am going to show you the number of employees in a country. To do this I am using ‘Donut Chart’ visualization and two columns i.e. ‘OFC\_LOC’ and ‘EMP\_ID’.

Select the count of EMP\_ID’.

1. In Power BI visualization, what are Reading View and Editing view?

In reading view you cannot edit any option but in editing view you can edit the options like Ask a question, pi the visuals to customized dashboard.