**Power BI Assignment 5**

1. Explain DAX.

Answer:

DAX stands for Data Analysis Expression. It is a language developed by Microsoft to interact with Data on different platforms like power BI, power pivot and SSAS tabular mode. It can be considered as query language or formulae expression language. DAX helps to define custom calculations for Calculated Columns, Measures, Calculated Tables, Calculation Groups, Custom Format Strings, and filter expressions in role-based security in Tabular model.

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

Datasets :- Dataset is a collection of data that you import or connected to. Power BI lets you connect to different datasets on a single platform and draw meaningful insights from it. Datasets are associated with *workspaces* and a single dataset can be part of many workspaces.

Reports: Reports are one or more pages of visualization like line charts, maps, column charts etc. We can create reports from scratch in Power BI. There are 2 modes for reports, reading view and editing view.

Dashboard: It is something that we create in power BI services. It is a single canvas board on which we can pin tiles or visuals and widgets. Entire reports can be pinned as live on dashboards.

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

Answer :

In Power BI service, in the navigation pane there is a create button. We can click on that create button which will open a page where you can select your data source. It is also accessible from new report button on the home page. For navigating between pages. There are Buttons in power bi which are nothing but shapes in Power BI, they sometimes come with some default actions. You can add a button to the Power BI report from the Insert and and can be changed to anything. We can use it for navigation.

1. How to connect to data in Power BI? How to use the content pack to connect to google analytics? Mention the steps.

Answer :

In the HOME PAGE, left navigation pane, click Get Data.

In the Services box, click Get .

From the menu of online services, select Google Analytics, and then click Connect.

Enter the Google Analytics account, property, and view that you want to connect to. Then sign in with your Google Analytics credentials.

To permit Power BI to connect to Google Analytics, click Accept.

When the import process completes, you will see a new dashboard, report, and model in the Navigation Pane. Select the dashboard to view your imported data.

1. How to import Local files in Power BI? Mention the Steps.
2. Open new report in Power BI.
3. Select get data option from the home page.
4. There you can find a lot of options to import data from local files like excel worksheet, csv files, xml, json etc.
5. Select the file which you want to import. You can transform the the data in power query and load it.
6. In Power BI visualization, what are Reading View and Editing view?

Reading view: When you open a report it opens in reading mode. You cannot edit or alter the report in a reading mode. But if you want to edit the report then you have to select the editing view mode. There will be an edit report option available in right corner. Everyone will not have the edit access, only admin *member*, or *contributor* role.

**Answers**

1 ). DAX stands for Data Analysis Expression. It is developed by mixrosoft and helps in interacting with data on different platforms like Power BI, PowerPivot , SSAS tabular models. It is a collection of constants, functions and operators which can be used in formulas and function to produce desired or required outcome.

2 ). Datasets: Datasets are the collection of data which we import or connect to PowerBI. A dataset can be associated with one more workpaces and can be used in one or more reports and dashboards. It can be found under the dataset tab in a workspace.

Reports: A PowerBI report is one or more visual pages like column chart, pie chard maps and treemaps. All the visuals in a report come from a single dataset. You can create reports from scratch in powerbi and can import them with dashboards and

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Reports: A Power BI report is one or more pages of visualizations such as line charts, maps, and treemaps. Visualizations are also called **visuals**. All of the visualizations in a report come from a single dataset. You can create reports from scratch within Power BI, import them with dashboards that colleagues share with you, or Power BI can create them when you connect to datasets from Excel, Power BI Desktop, databases, and SaaS applications. For example, when you connect to an SaaS application, Power BI imports a pre-built report.

There are two modes to view and interact with reports: Reading view and Editing view.