

# Power BI Assignment 5

## 1) Explain DAX

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.

### Calculations:

Dax formulas are used in measures, calculated columns, calculated columns, calculated tables, and row-level security.

Example: Total Sales = Sum([Sales Amount])

### Calculated Columns:

A Calculated Column is a Column that you add on existing table (in the model designer) and then create a Dax formula that defines the Column's values. When a Calculated Column contains a valid Dax formula, values are calculated for each row as soon as the formula is entered.

### Row-level Security:

With row level security, a Dax formula must evaluate to a boolean True/False conditions, defining which row can be returned by the result of a query by member of a particular role.

Example: = Customers[Country] = "UK"

- 2) Explain Datasets, reports, and Dashboard and how they related to each other?

Dashboards are created from multiple Datasets or reports. Dashboards always concentrate on building insights into the data by using graphs, attractive visuals, charts, etc. Reports are not concentrated on the visualization part of the data rather it looks to create summary pages.

Dashboard reporting is a visual representation of your company's key performance indicators (KPIs).

Reports tends to be broader and feature historic data. Because they must be delivered periodically, they represents a snapshot of a specific area or organization rather than its real-time situation.

Dashboards, on the other hand, are built to visualize and organize data in real-time.

- 3) How reports can be created in Power BI, explain two ways with Navigation of each.

Power BI documentation provides expert information for creating reports, Dashboards, metrics, and paginated reports.

Page navigation is the process of moving between pages in a power BI report. There are



a variety of ways to accomplish this, with some being more useful than others depending on the situation.

Page navigation: Now let's get to using these click actions to navigate our report. If you want to create an action that takes you from one page to another with no need for having filters stay the same or for a drill through occurring the page navigation.

Bookmarks:

When you're done choosing your options, Select update. This will update your bookmark to capture the report page's current status.

Drill through:

Now, let's set up the drill through. Add our favorite button, shape or images to the primary and secondary pages.

How to connect to data in power BI How to use connect pack to connect to google analytics?

Google Analytics does a great job of tracking website visitor behaviour, such as number of unique page visits, time spent browsing a site, and geographic location of customers, but Google analytics doesn't offer a lot of analytic tools for connecting marketing data to data from other parts of the company, or to external data from the marketplace.

In the Get data window, click other from the list. Other data sources, click Google analytics, click connect. Power BI makes it possible for anyone connected to a huge amount of structured and unstructured data from multiple sources. By importing data from Google analytics into the mix, organizations can view their website's performance in the context of many other variables.

5) How to import local files in Power BI?  
Here are the steps.

1. In Power BI, click Get data in the lower left corner.
2. Under Import or Connect to data > Files, click Get
3. Click Local file.
4. Choose which file to upload and click to open.
5. Click upload under upload your Excel file to Power BI.
6. The message "your file has been uploaded" should appear.

6) In Power BI Visualization What are reading view and editing view?

The Power BI service has two different modes for interacting with reports: Reading view for report business users and Editing view for report owners and creators. You need a Power BI pro or premium per user (PPU) license to share reports and to edit reports created by others.