
Power BI Assignment 5

1. Explain DAX.

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.

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

Dataset:

A dataset is a collection of data that you import or connect to. Power BI lets you connect to and import all sorts of datasets and bring all of it together in one place

Report:

A Report is a multi-perspective view of a dataset, with visuals representing different findings and insights.

Reports In Power BI Desktop

In the Power BI Desktop Report view, you can create any number of report pages with visualizations. Report view in Power BI Desktop provides a similar design experience to the Report's editing view in the Power BI service.

The difference between them is that in Power BI Desktop, you can work with your model and queries your data to make sure your data supports the best insights in your reports.

Reports In Power BI Service

A report usually consists of one or more pages of visuals. Reports are created by Power BI designers and shared with the business users directly or as part of an app.

Dashboards:

A PowerBI dashboard is a single page, often called a canvas, telling a story through visualizations. Because it is limited to only one page, a well-designed dashboard contains only the highlights of that story.

Dashboards aren't available in the Power BI Desktop, and they are only available in the Power BI Service. You can also view a dashboard on mobile but can't create dashboards on mobile.

Dashboards vs reports

Item	Dashboards	Reports
Pages	Dashboards are created on only one page	Can be created in one or more pages
Data sources	Dashboards are created from multiple datasets or reports.	Reports are created from a single dataset
Visualization	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.
Available in Power BI Desktop	Dashboards cannot be created in Power BI Desktop	Reports can be built and viewed in Power BI Desktop.
Filters and Slicers	You can't add Slicers and Filters as Dashboards are limited to a single page.	In reports, we can use many different ways to filter, highlight, and slice.
User Interactivity	Dashboards allow a user to pin visuals from different reports and datasets onto a single canvas, making it simple to group what's essential to the user.	Reports are more focused on being able to visualize and apply transformations to a single dataset.
Favourite	Yes. Can set multiple dashboards as favourites.	Yes. Can set multiple reports as favourites.
Q&A Feature	Yes	Yes, provided you have edit permissions for the report and underlying dataset.
Alerts	In dashboards, alerts to emails are created, when specific condition or criteria is met or limit crossed.	We can't create Alerts in Reports.
Subscribe	Yes. Can subscribe to a dashboard.	Yes. Can subscribe to a report page.
See underlying dataset tables and fields	In dashboards, you can't see the underlying dataset tables but can export data.	While in Reports you can see a dataset under the Data tab in Power BI Desktop.

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

Ways to create reports:

- Create a report from an Excel file in the Power BI service
- Create a report quickly from a SharePoint list or library
- Visualize your data from Power Apps and Dynamics 365 apps
- Interact with autogenerated "quick" reports in the Power BI service

Create a report from an Excel file in the Power BI service

Import the Excel file

This method of creating a report starts with a file and a blank report canvas.

1. In the navigation pane, select My Workspace.
2. From the bottom of the nav pane, select Get data.
3. Select Files and navigate to the location where you saved.
4. For this exercise, select Import.
5. Select Open.

Once the Excel file is imported, it's listed as a dataset in the workspace list.

6. Select More options (...) next to the dataset, and select Create report.
7. The report editor opens.
8. Now you can add visualization of choice and need to show based on the inferences build from the data.

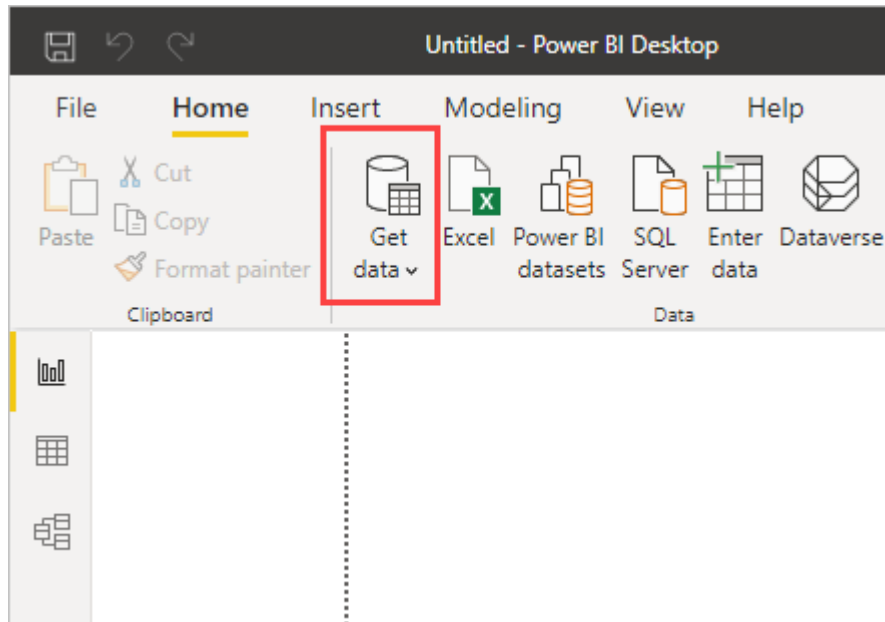
Create a quick report

1. In the navigation pane in the Power BI service, you can select the Create button that opens a page where you can select your data source. It's also accessible from the new report button on Home.
 2. When you choose to paste or manually enter data, a grid appears that you can type into. You can also paste data by using Ctrl + V or the context menu.
 3. You can use the context menu to add and remove columns. If your pasted data includes a header row, select Use first row as headers to automatically promote the first row to the header row. Power BI automatically detects the data types, but you can set them manually. Select the Data type button next to the column name.
 4. As you go through the creation process, Power BI creates a new dataset for you and autogenerated a summarized view of your data. These autogenerated visuals propel you from raw data to insights faster than ever.
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4. How to connect to data in Power BI? How to use the content pack to connect to google analytics? Mention the steps.

With Power BI Desktop, you can connect to many different types of data. These sources include basic data sources, such as a Microsoft Excel file. You can connect to online services that contain all sorts of data, such as Salesforce, Microsoft Dynamics, Azure Blob Storage, and many more.

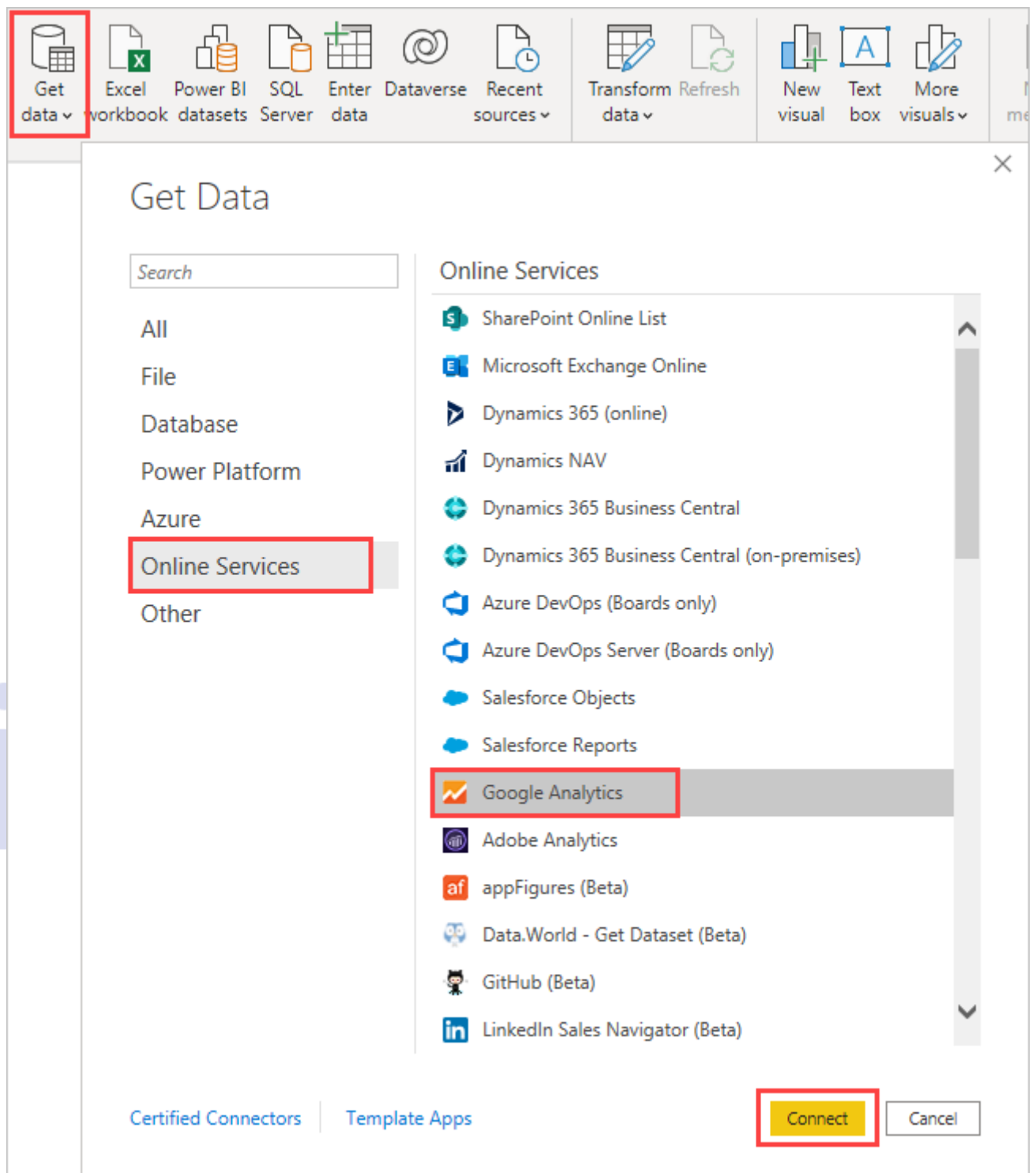
To connect to data, from the Home ribbon select Get data.



The Get Data window appears. You can choose from the many different data sources to which Power BI Desktop can connect.

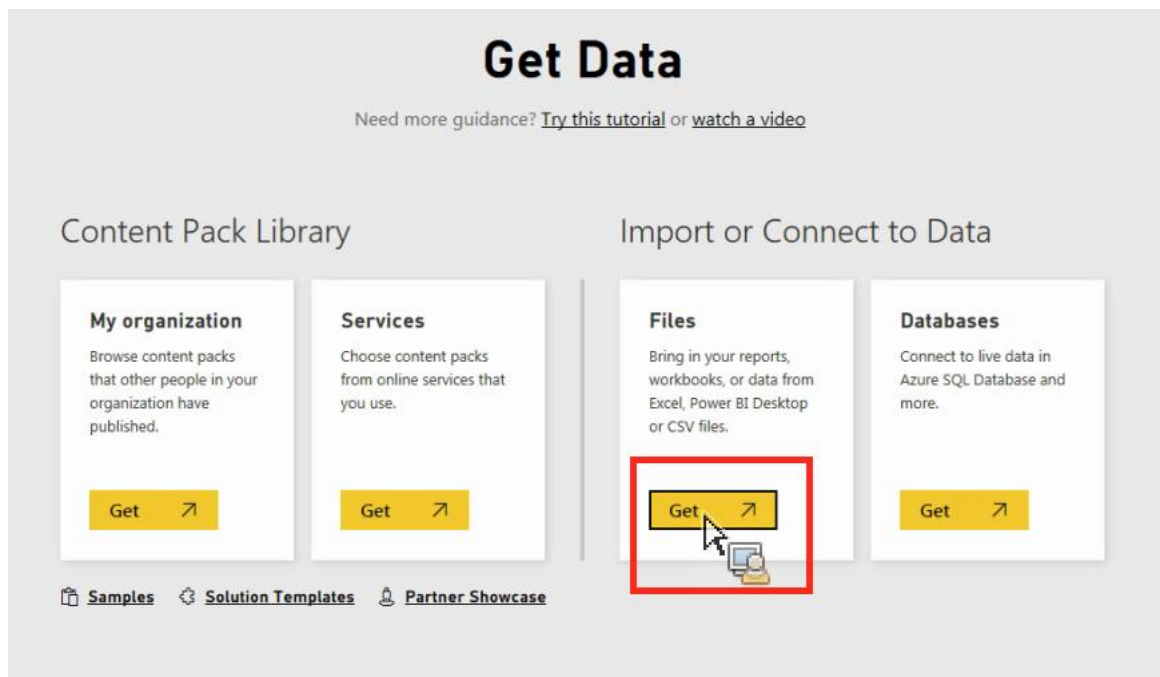
You can connect to Google Analytics data using the Google Analytics connector. To connect, follow these steps:

1. In Power BI Desktop, select Get data from the Home ribbon tab.
 2. In the Get Data window, select Online Services from the categories in the left pane.
 3. Select Google Analytics from the selections in the right pane.
 4. At the bottom of the window, select Connect.
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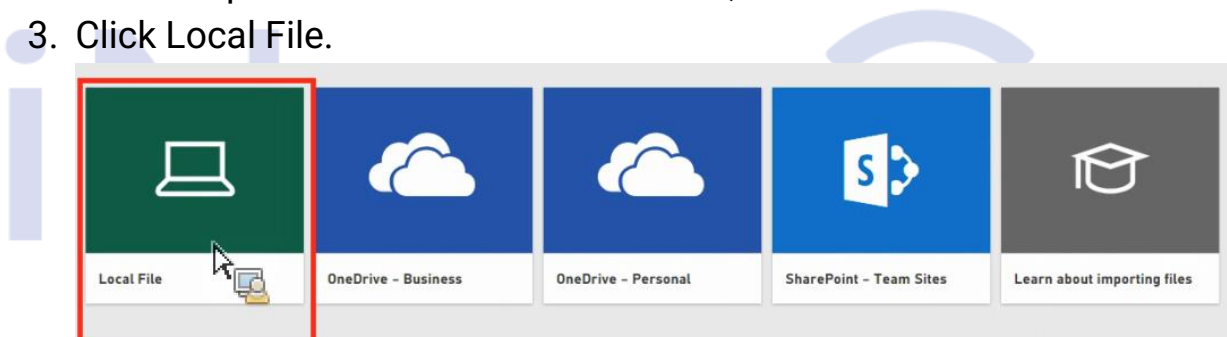


5. How to import Local files in Power BI? Mention the Steps.

1. In Power BI, click Get Data in the lower left screen.



2. Under Import or Connect to Data > Files, click Get
3. Click Local File.



4. Choose which file to upload and click 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?

You can create and edit reports in both the Power BI service and Power BI Desktop. In the Power BI service, you create and edit reports in Editing view. And in Power BI Desktop, you create and edit reports in Report 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.

iNeuron

The logo for iNeuron features a stylized 'i' and 'n' in a light blue color. The 'e' is replaced by a circular graphic consisting of a solid blue center, a yellow ring, and a light blue outer ring. The 'u' and 'r' are also in light blue. The 'o' is replaced by a circular graphic consisting of a solid blue center, a yellow ring, and a light blue outer ring. The 'n' is in light blue.
