
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?

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. Datasets can also source data from dataflows. Datasets are associated with workspaces, and a single dataset can be part of many workspaces.

A **Power BI report** is a multi-perspective view into a dataset, with visuals that represent findings and insights from that dataset. A report can have a single visual or many pages full of visuals. Depending on your job role, you might be someone who designs reports, or you might be a business user who consumes reports.

A **Power BI dashboard** is a single page, often called a canvas, that tells a story through visualizations. Because it's limited to one page, a well-designed dashboard contains only the highlights of that story. Readers can view related reports for the details. Dashboards are a feature of the Power BI service.

Dashboards are built based on multiple data tables connected in one or more ways. Reports are generally created from a single data set table with no relationship to other tables. Dashboards are not allowed to cross more than one page.

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

Step 1: Install Power BI Desktop for Power BI Report Server

Step 2: Select a data source

Step 3: Design your report

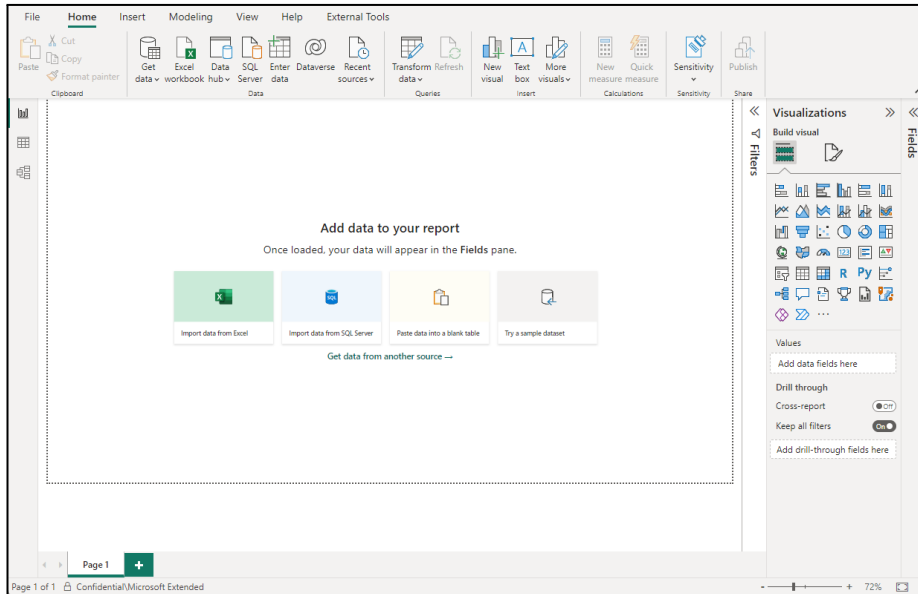
Step 4: Save your report to the report serve

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

By Following steps we can Connect to data in Power BI

a. Launch Power BI Desktop

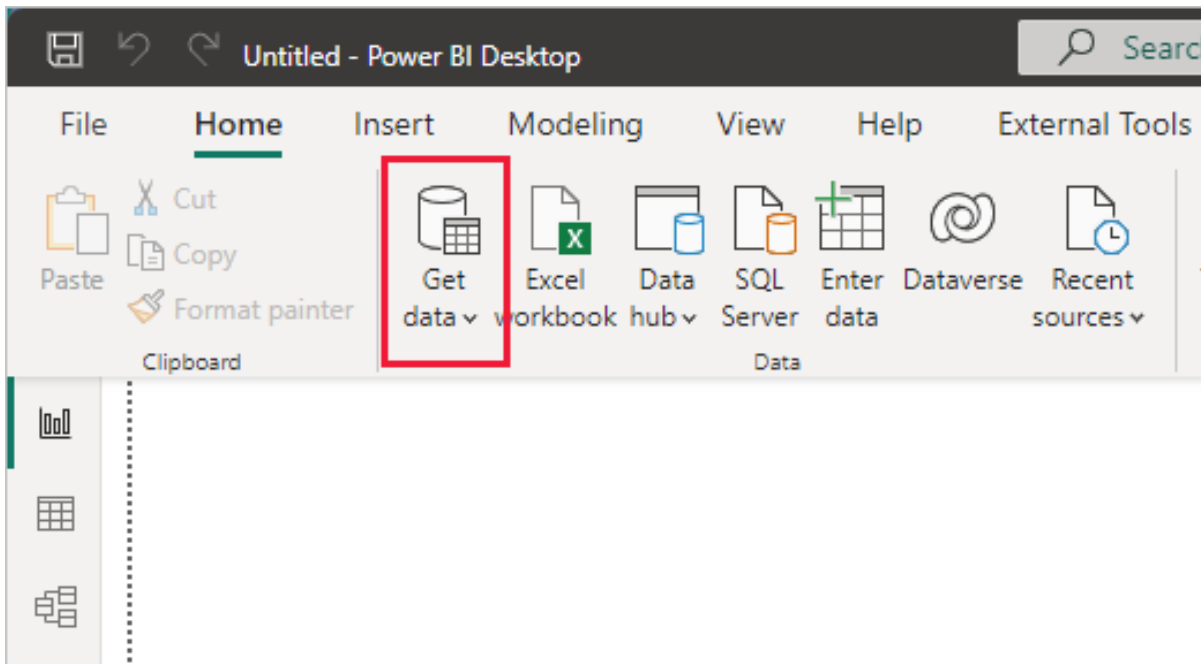
Once you install Power BI Desktop, launch the application so it's running on your local computer. You're presented with a Power BI tutorial. Follow the tutorial or close the dialog to start with a blank canvas. The canvas is where you create visuals and reports from your data.



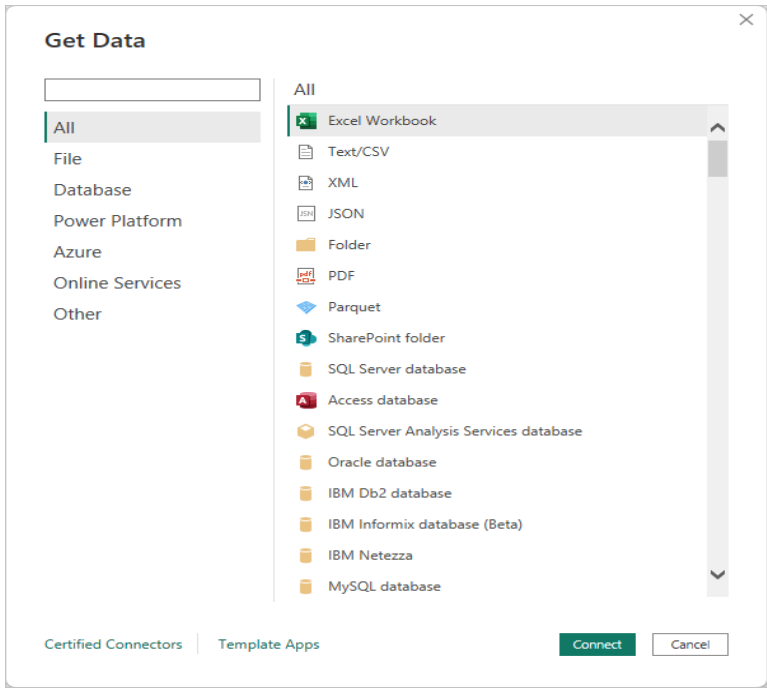
b. Connect to data

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.

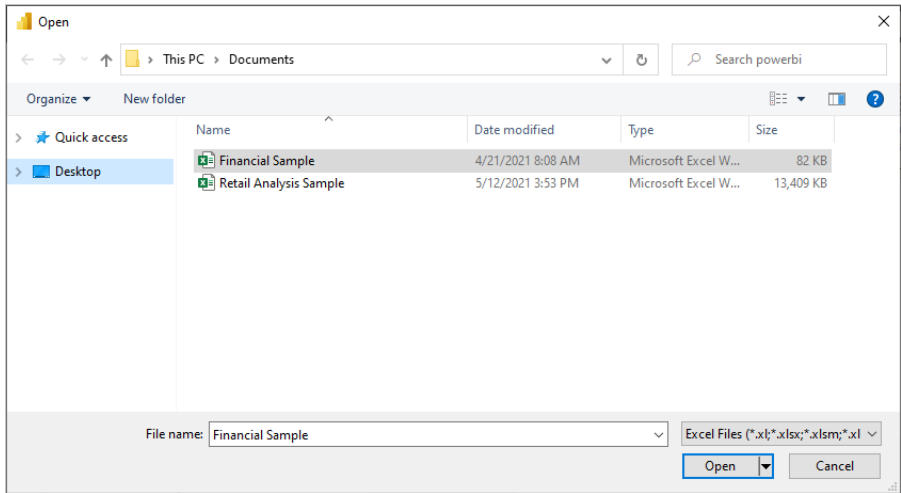
To connect to data, from the Home ribbon select Get data.



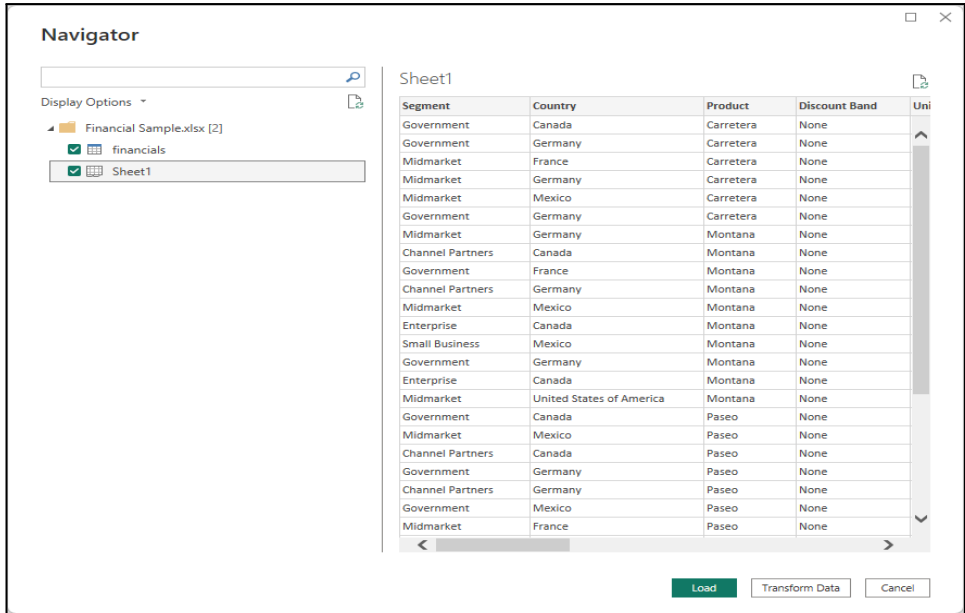
The Get Data window appears. You can choose from the many different data sources to which Power BI Desktop can connect.



Since this data source is an Excel file, select Excel from the Get Data window, then select the Connect button. Power BI prompts you to provide the location of the Excel file to which to connect. The downloaded file is called Financial Sample. Select that file, and then select Open.



Power BI Desktop then loads the workbook and reads its contents, and shows you the available data in the file using the Navigator window. In that window, you can choose which data you would like to load into Power BI Desktop. Select the tables by marking the checkboxes beside each table you want to import. Import both available tables.

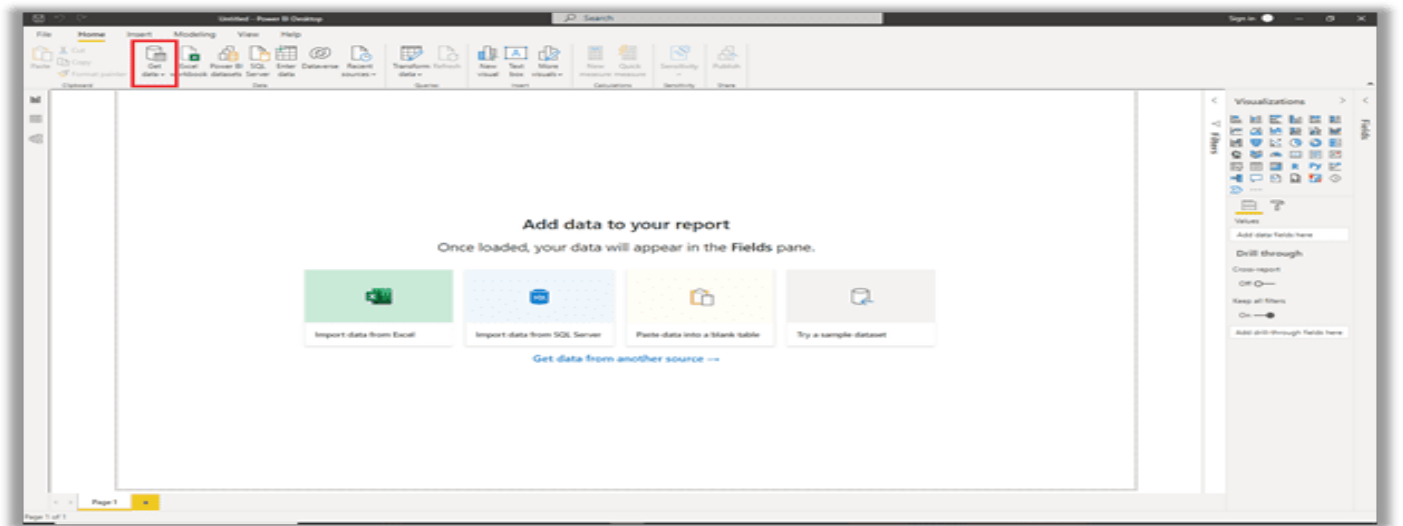


Once you've made your selections, select Load to import the data into Power BI Desktop.

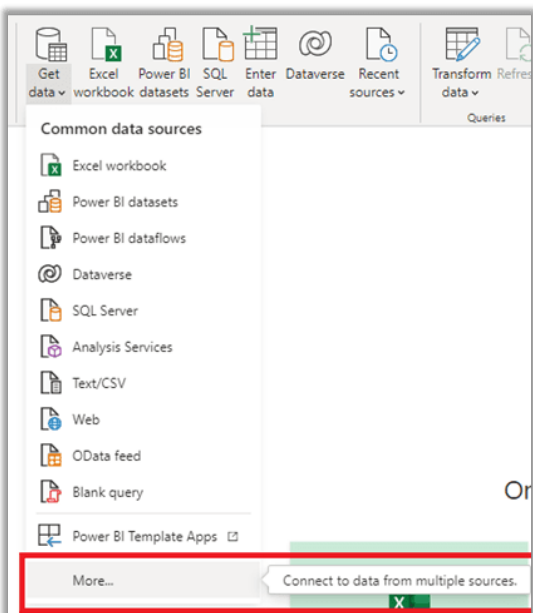
The ability to gather data from different sources into one is the main benefit of utilising Power BI and Google Analytics together.

a.Step 1 – Click on “Get Data”

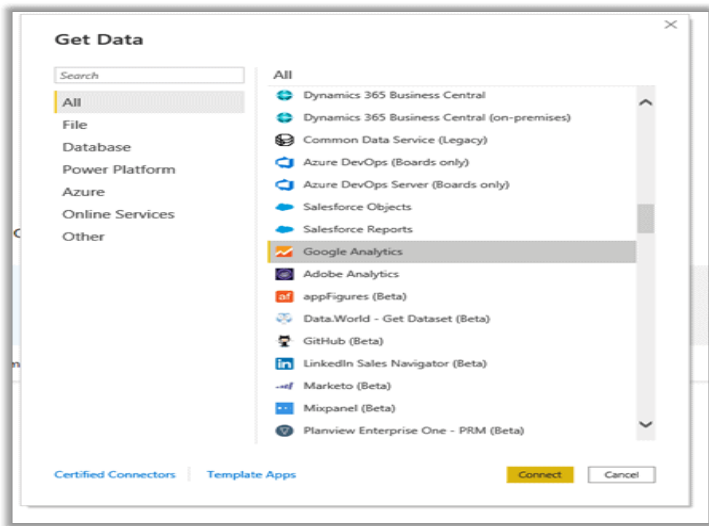
Once you have Power BI open, in the ribbon near the top left of the screen you should see a button called **Get Data**.



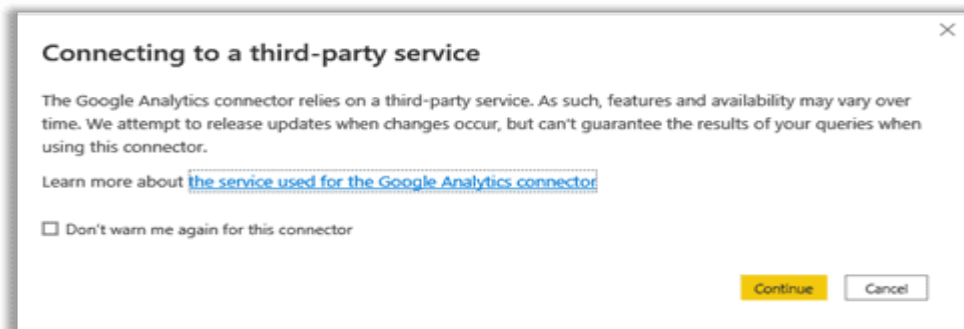
Click on **Get Data** and select the **More** option.



In the **Get Data** dialogue box, scroll down to find or search for the Google Analytics connector.

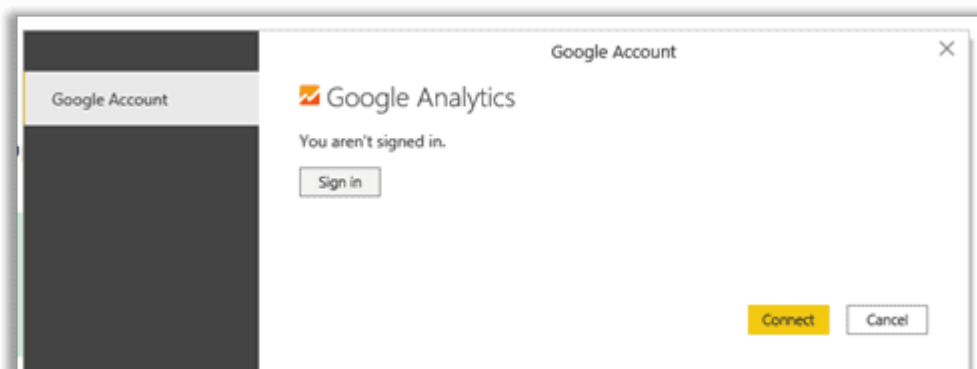


Power BI will then notify you that the Google Analytics connector relies on a 3rd party service. You can just select Continue to move past this dialogue box.

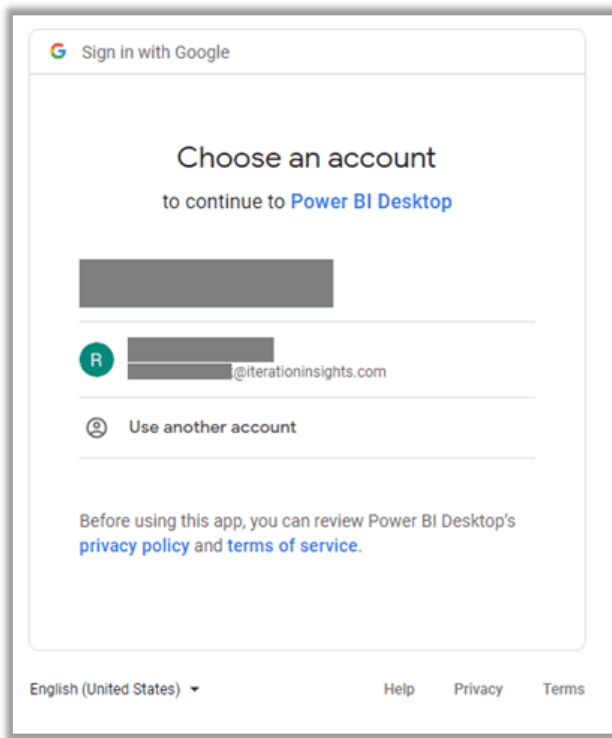


Step 2 – Sign in to Google Analytics and allow Power BI access

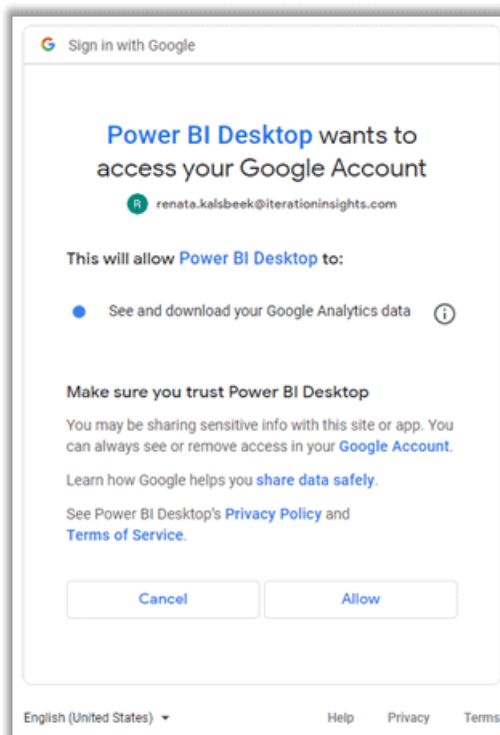
Power BI will now prompt you to sign in to your Google Analytics account.



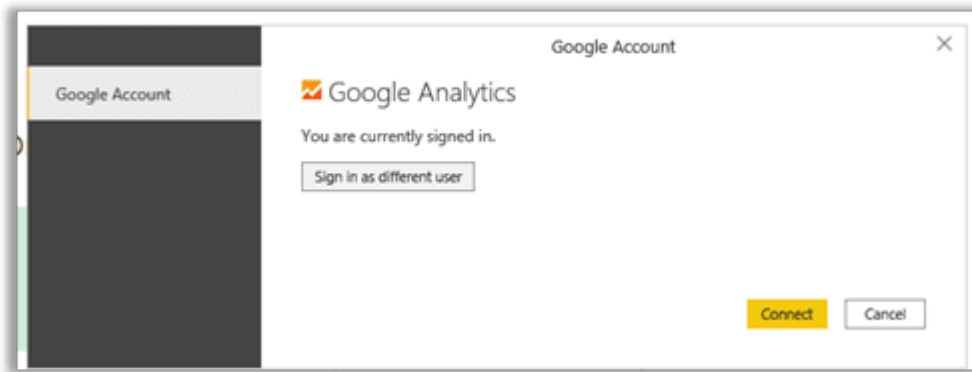
Select the account that is attached to the Google Analytics account that has the data you wish to access.



You then must allow Power BI to access your Google Account.



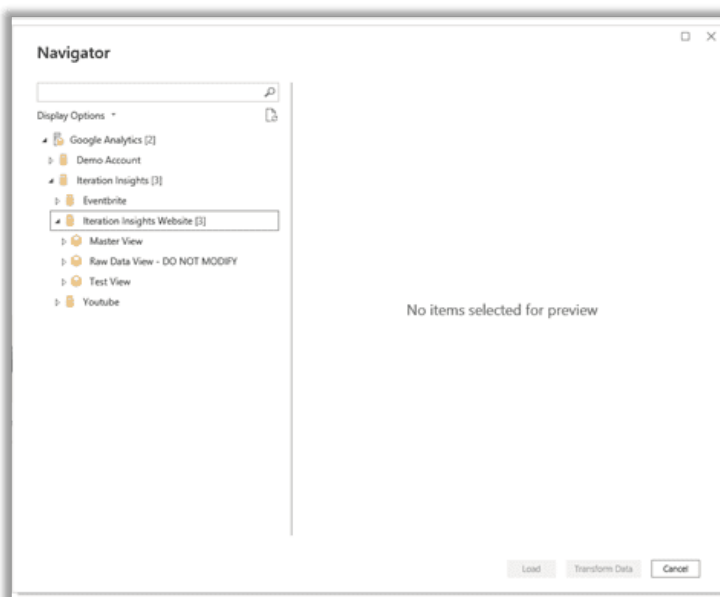
Once you have allowed access, return to your Power BI file and you will see that you are now signed in. Click **Connect** to continue.



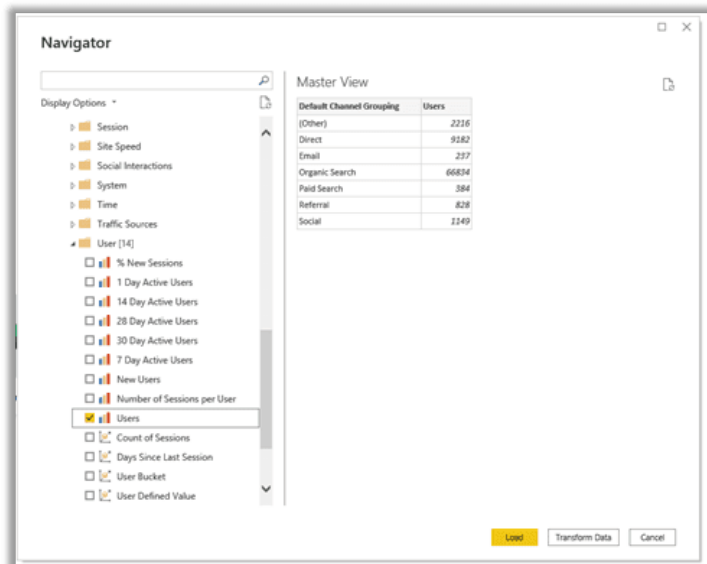
Step 3 – Load Google Analytics Data into Power BI

Connecting will open the Navigator box. This is where you will select which data you would like to be loaded into Power BI. The options are set up the same way that the Google Analytics account hierarchy is set up.

The top-level is the Account, the second level is the Property, and the bottom level is the View. Select which account, property, and view that contains the data you are looking for.



In order to load in the data, you must ensure that you have the proper permissions in Google Analytics. The last step is to select the tables and load the data.



Here you have two choices. If you select **Load**, the data will come into Power BI and the dialogue box will close. If you choose **Transform Data**, this will load the data into Power BI and open the Power Query Editor so that you may transform and clean the data as necessary



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

- a. In Power BI, click Get Data in the lower left screen.
- b. Under Import or Connect to Data > Files, click Get.
- c. Click Local File.
- d. Choose which file to upload and click Open.
- e. Click Upload under Upload your Excel file to Power BI.
- f. The message "Your file has been uploaded" should appear.

6. In Power BI visualisation, 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) licence to share reports and to edit reports created by others. Without a Pro or Premium Per User (PPU) licence, you can still create reports in your My Workspace, but you can't share with them.

iNeuron

The logo for iNeuron features a stylized neuron cell. It consists of a central blue circle with a yellow ring around it. Four light blue curved lines extend from the circle, resembling dendrites or axons. The text "iNeuron" is written in a light blue sans-serif font, with the logo replacing the letter "o".
