Use Power Tools

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Power Query in Excel

Power Query tool is Excel helps you to import data from multiple sources and sort them into a usable format in excel sheet in a simplified way.

Connection to Various Data Sources

- Power Query helps you to export data from a variety of sources, including text files, Excel workbooks, and CSV files.

Combining Tables

- It becomes difficult to manually verify the exact replication of data when updates to the same source data must be imported at regular periods, such as every week or month.
- Power Query provides you the option to combine different data sets.

Merging Tables

- A Power query provides you with the option to merge different tables into a single table. The merge option works as a substitute for the VLOOKUP function in Excel.

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Power Pivot in Excel

Power pivot helps you to import millions of data from multiple sources into a single excel workbook to create pivot tables and pivot charts and analyse the data to make business decisions.

The advantages of using a power pivot are:

- Power Pivot helps you import millions of data sets.

- Power Pivot helps you to import data from multiple sources into a single workbook without creating multiple source sheets.

- Power Pivot allows you to manipulate and analyse imported data in order to draw business conclusions.

- With pivot charts and Power BI, Power Pivot allows you to visualise your data.

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Step to Import a Large Data Set in Pivot

To upload the data, navigate to the Data tab and create a new query from the CSV file.

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Different Sources available to Import Data in Pivot

The different sources available to import data in a pivot are:

- Microsoft Azure

- SQL Server

- Teradata

- Facebook

- Salesforce

- JSON files

- Excel workbooks

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Power Map in Excel

Power Map allows you to visually plot geographic and temporal data, perform 3D analysis on that data, and then generate cinematic perspectives to present.

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Steps to Create a Power Map in Excel

The steps to create a Power Map in Excel:

1. Select any cell that contains the geographical data and navigate to the Insert tab.

2. Click Map and select Launch Power Map.

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Power View in Excel

Power View in Power BI facilitates simple ad-hoc reporting by allowing interactive data exploration, visualisation, and presentation.

The different Power View visualizations available are:

- Table

- Matrix

- Card

- Charts

    o Line Chart

    o Bar Chart

    o Column Chart

    o Scatter Chart

    o Bubble Chart

- Map

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Steps Enable Power View in Excel

1. To enable the Power View in Excel 2013, click the File button.

2. Click Options.

3. The Excel Options pop-up is displayed. Select Add-ins on the left pane.

4. Click on the Manage drop-down list and select COM-Add-ins and click Go.

5. The COM-Add-ins pop-up id displayed. Select Microsoft Power View for Excel and Click OK.

6. Now, the Power View is added under Insert tab.

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Steps Enable Power View in Excel

1. To enable the Power View in Excel 2016, navigate to File menu and click Options.

2. The Excel Options pop-up is displayed. Select Customize Ribbon on the left pane.

3. Under Customize the Ribbon Main Tab, Extend Insert option, then click on New Group.

4. Now, select Insert a Power View Report from Choose Commands from and click Add.

5. Once the Power View command added, click OK.

6. Now, the Power View is added under Insert tab.

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Steps to Use Power View in Excel

1. Create a table for the given data. To insert a table, navigate to the Insert tab and click Table.

2. The Create Table pop-up is displayed. Select the cell range and click OK to create the table.

3. Now the table is created. To enable the power view, navigate to the Insert tab and click Power View.

4. The Power view is created for the data. You can name your Power View dashboard, review and edit the fields according to the requirement.

5. To create a Power View dashboard, Select the values from Power View fields and insert charts.

A complete Power View dashboard will look the below diagram.

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Recap:

- o Power Query tool is Excel helps you to import data from multiple sources and sort them into a usable format in excel sheet in a simplified way.

- o Power pivot helps you to import millions of data from multiple sources into a single excel workbook to create pivot tables and pivot charts and analyse the data to make business decisions.

- o The different sources available to import data in a pivot are: Microsoft Azure, SQL Server, Teradata, Facebook, Salesforce, JSON files, and Excel workbooks.

- o Power Map allows you to visually plot geographic and temporal data, perform 3D analysis on that data, and then generate cinematic perspectives to present.

- o Power View in Power BI facilitates simple ad-hoc reporting by allowing interactive data exploration, visualisation, and presentation.