

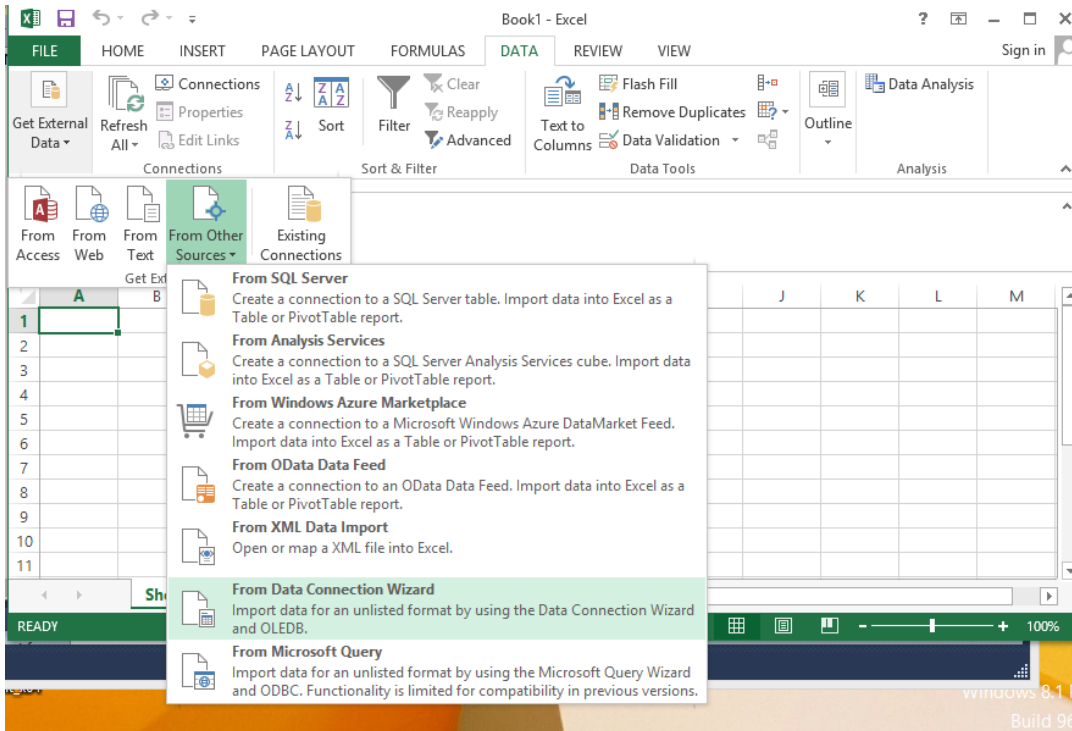
PRACTICAL 4

Import the datawarehouse data in Microsoft Excel and create the Pivot table and Pivot Chart

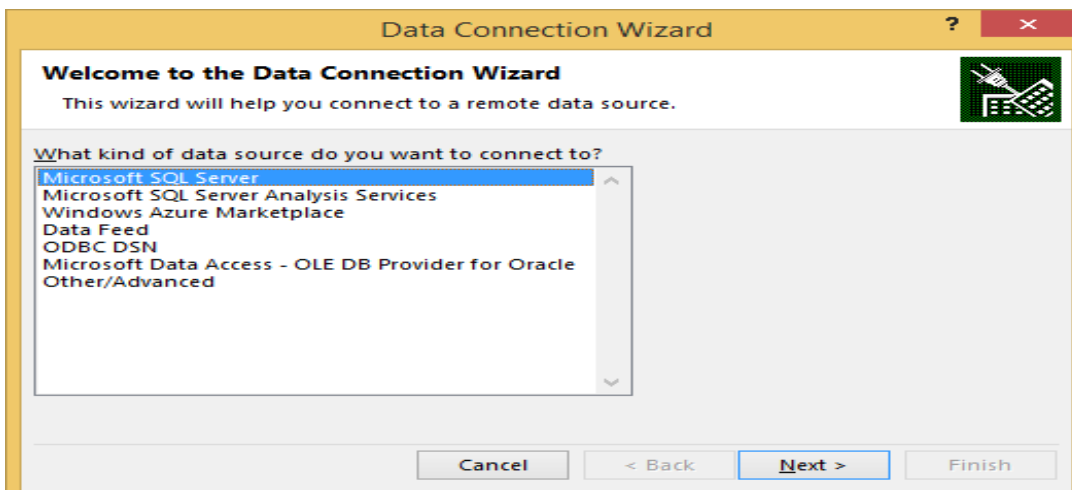
(Ms Office Professional is used to make sure Power View is enabled for visualization.)

Step 1: Open Excel 2013 (Professional)

Go to Data tab → Get External Data → From Other Sources → From Data Connection Wizard



Step 2: In Data Connection Wizard → Select Microsoft SQL Server → Click on Next

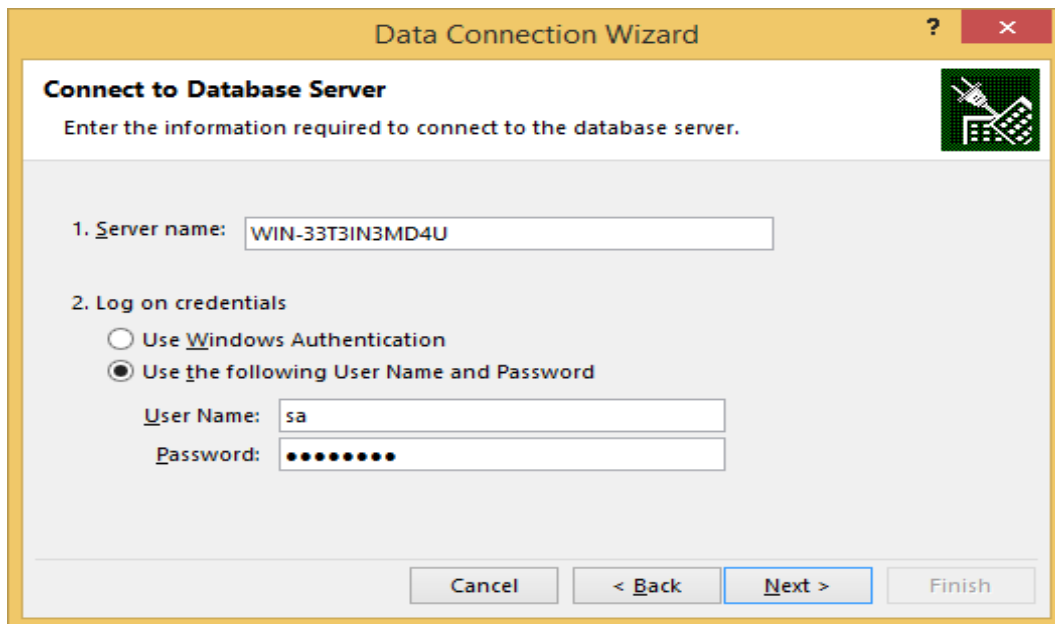


Step 3: In connect to Database Server provide Server name(Microsoft SQL Server Name)

Provide password for sa account as given during installation of SQL Server 2012 full version)

Password: admin123

Click on Next



The screenshot shows the 'Data Connection Wizard' window, specifically the 'Connect to Database Server' step. The window has a yellow title bar and a green icon in the top right corner. The main area is white with a light gray background. The text 'Enter the information required to connect to the database server.' is displayed. Below this, there are two sections: '1. Server name:' with a text box containing 'WIN-33T3IN3MD4U', and '2. Log on credentials' with two radio buttons. The first radio button is 'Use Windows Authentication' and the second is 'Use the following User Name and Password', which is selected. Below the second radio button are two text boxes: 'User Name:' containing 'sa' and 'Password:' containing a series of dots. At the bottom, there are four buttons: 'Cancel', '< Back', 'Next >', and 'Finish'. The 'Next >' button is highlighted with a blue border.

Data Connection Wizard

Connect to Database Server

Enter the information required to connect to the database server.

1. Server name: WIN-33T3IN3MD4U

2. Log on credentials

☐ Use Windows Authentication

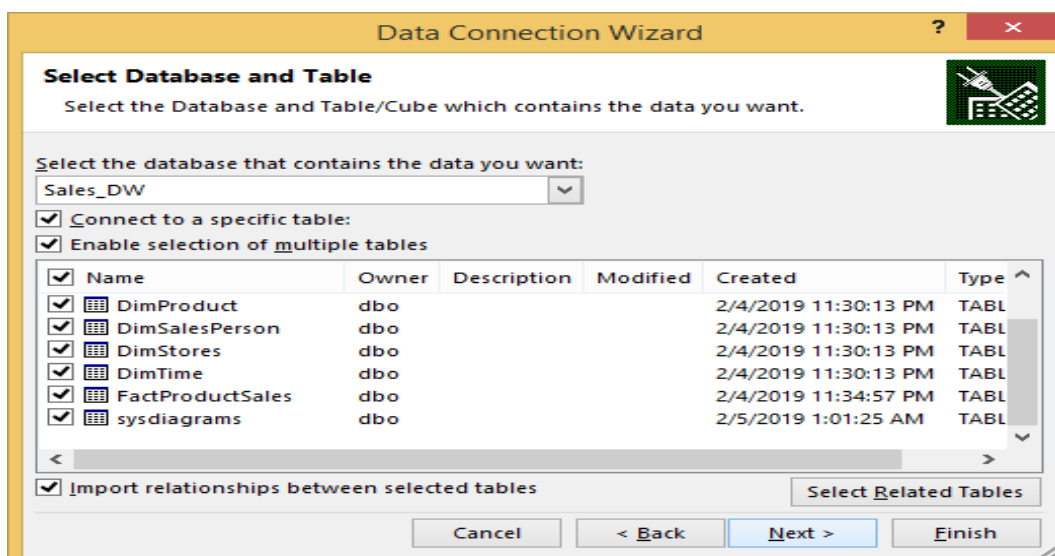
☒ Use the following User Name and Password

User Name: sa

Password:

Cancel < Back Next > Finish

Step 4: In Select Database and Table→ Select Sales_DW (already created in SQL) → check all dimensions and import relationships between selected tables



The screenshot shows the 'Data Connection Wizard' window, specifically the 'Select Database and Table' step. The window has a yellow title bar and a green icon in the top right corner. The main area is white with a light gray background. The text 'Select the Database and Table/Cube which contains the data you want.' is displayed. Below this, there is a dropdown menu for 'Select the database that contains the data you want:' with 'Sales_DW' selected. Below the dropdown are two checkboxes: 'Connect to a specific table:' and 'Enable selection of multiple tables', both of which are checked. Below these checkboxes is a table with columns: Name, Owner, Description, Modified, Created, and Type. The table contains six rows of data. At the bottom, there is a checkbox 'Import relationships between selected tables' which is checked, and a button 'Select Related Tables'. At the very bottom, there are four buttons: 'Cancel', '< Back', 'Next >', and 'Finish'. The 'Next >' button is highlighted with a blue border.

Data Connection Wizard

Select Database and Table

Select the Database and Table/Cube which contains the data you want.

Select the database that contains the data you want:
Sales_DW

☒ Connect to a specific table:

☒ Enable selection of multiple tables

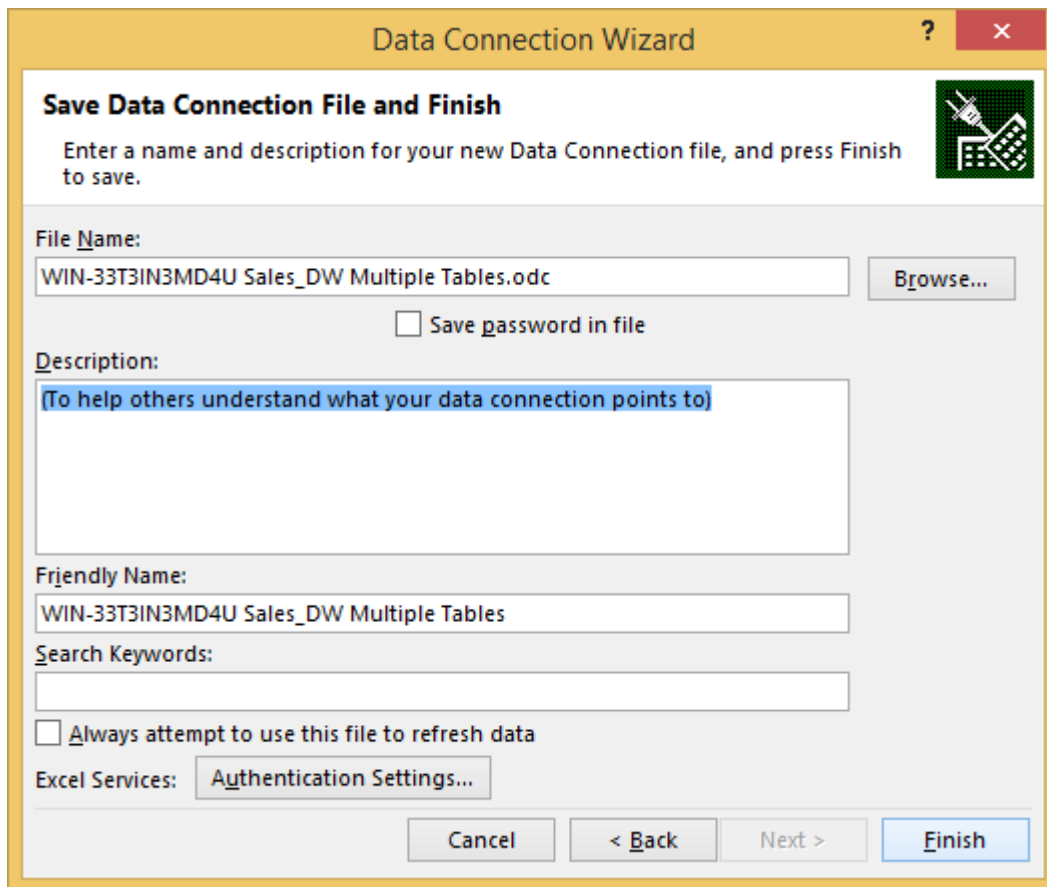
Name	Owner	Description	Modified	Created	Type
DimProduct	dbo			2/4/2019 11:30:13 PM	TABL
DimSalesPerson	dbo			2/4/2019 11:30:13 PM	TABL
DimStores	dbo			2/4/2019 11:30:13 PM	TABL
DimTime	dbo			2/4/2019 11:30:13 PM	TABL
FactProductSales	dbo			2/4/2019 11:34:57 PM	TABL
sysdiagrams	dbo			2/5/2019 1:01:25 AM	TABL

☒ Import relationships between selected tables

Select Related Tables

Cancel < Back Next > Finish

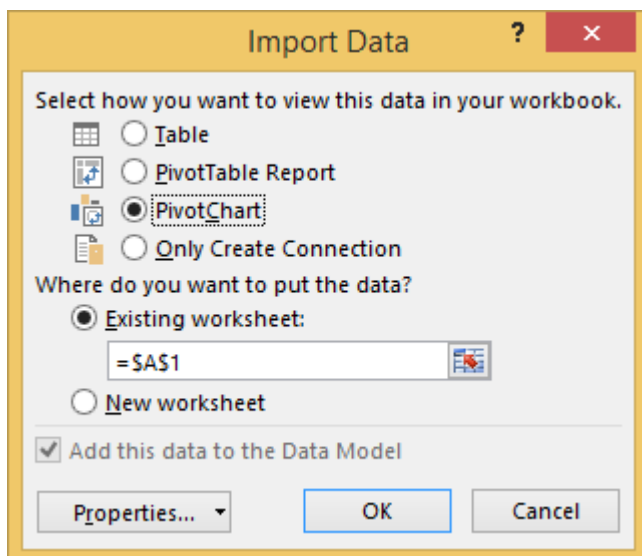
Step 5: In save data connection files browse path and click on Finish



The 'Data Connection Wizard' dialog box is shown, titled 'Save Data Connection File and Finish'. It contains the following fields and options:

- File Name:** A text box containing 'WIN-33T3IN3MD4U Sales_DW Multiple Tables.odc' and a 'Browse...' button.
- ☐ Save password in file
- Description:** A text box containing '(To help others understand what your data connection points to)'.
- Friendly Name:** A text box containing 'WIN-33T3IN3MD4U Sales_DW Multiple Tables'.
- Search Keywords:** An empty text box.
- ☐ Always attempt to use this file to refresh data
- Excel Services:** A button labeled 'Authentication Settings...'.
- At the bottom are buttons for 'Cancel', '< Back', 'Next >', and 'Finish'.

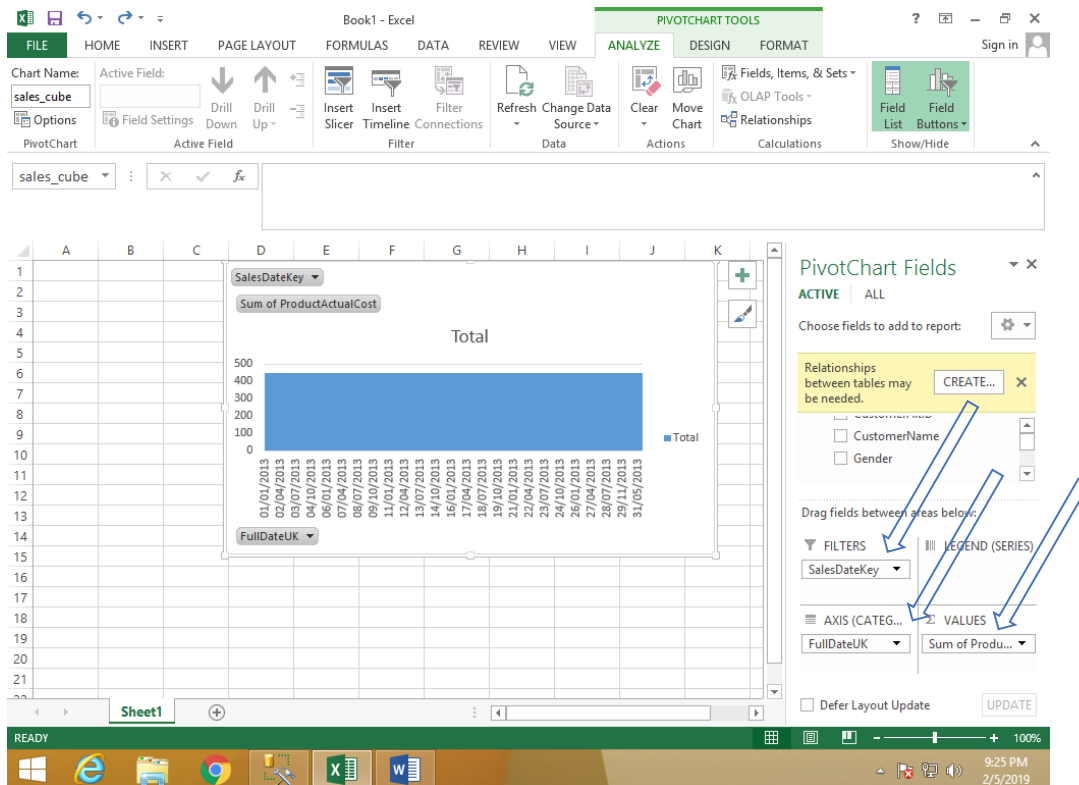
Step 6: In import data select Pivot Chart and click on OK



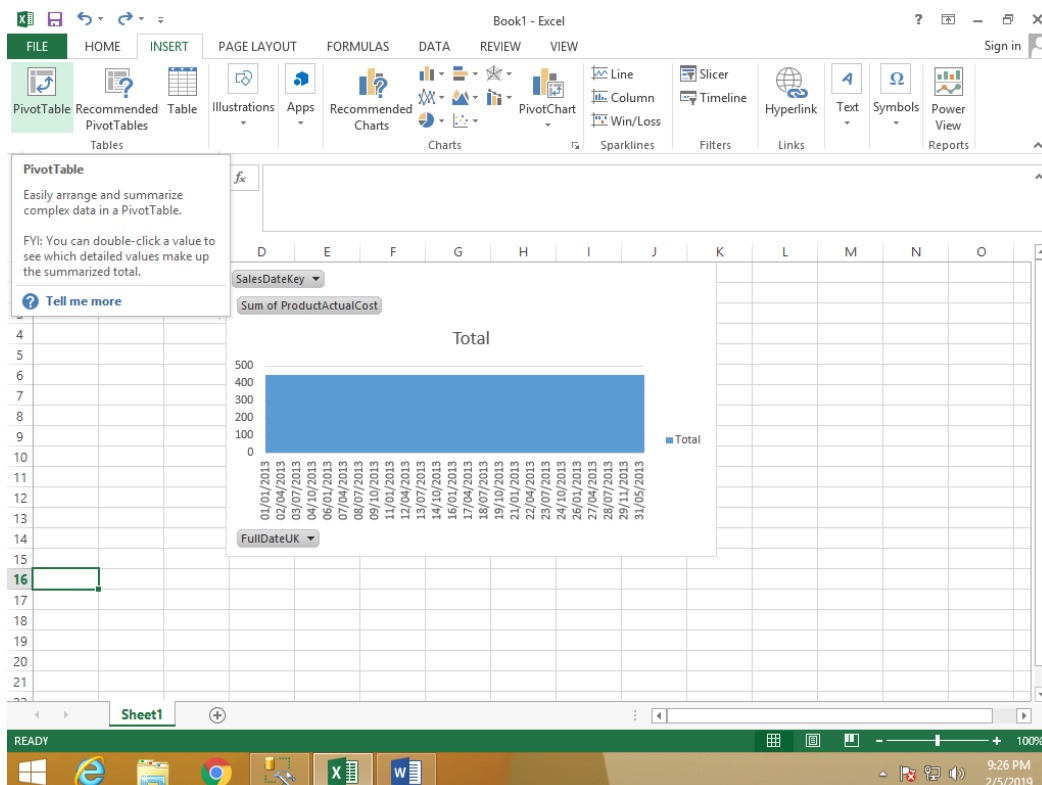
The 'Import Data' dialog box is shown, titled 'Select how you want to view this data in your workbook.' It contains the following options and fields:

- Select how you want to view this data in your workbook:**
 - ☐ Table
 - ☐ PivotTable Report
 - ☒ PivotChart
 - ☐ Only Create Connection
- Where do you want to put the data?**
 - ☒ Existing worksheet:
 - Text box containing '= \$A\$1' and a small icon.
 - ☐ New worksheet
- ☒ Add this data to the Data Model
- At the bottom are buttons for 'Properties...' (with a dropdown arrow), 'OK', and 'Cancel'.

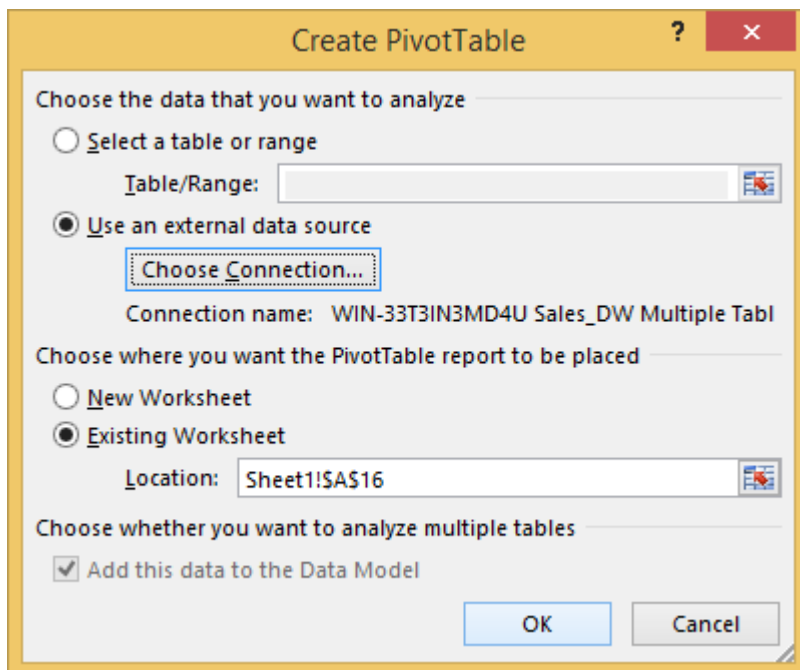
Step 7: In fields put SalesDateKey in filters, FullDateUK in axis and Sum of ProductActualCost in values



Step 8: In Insert Tab → go to Pivot Table



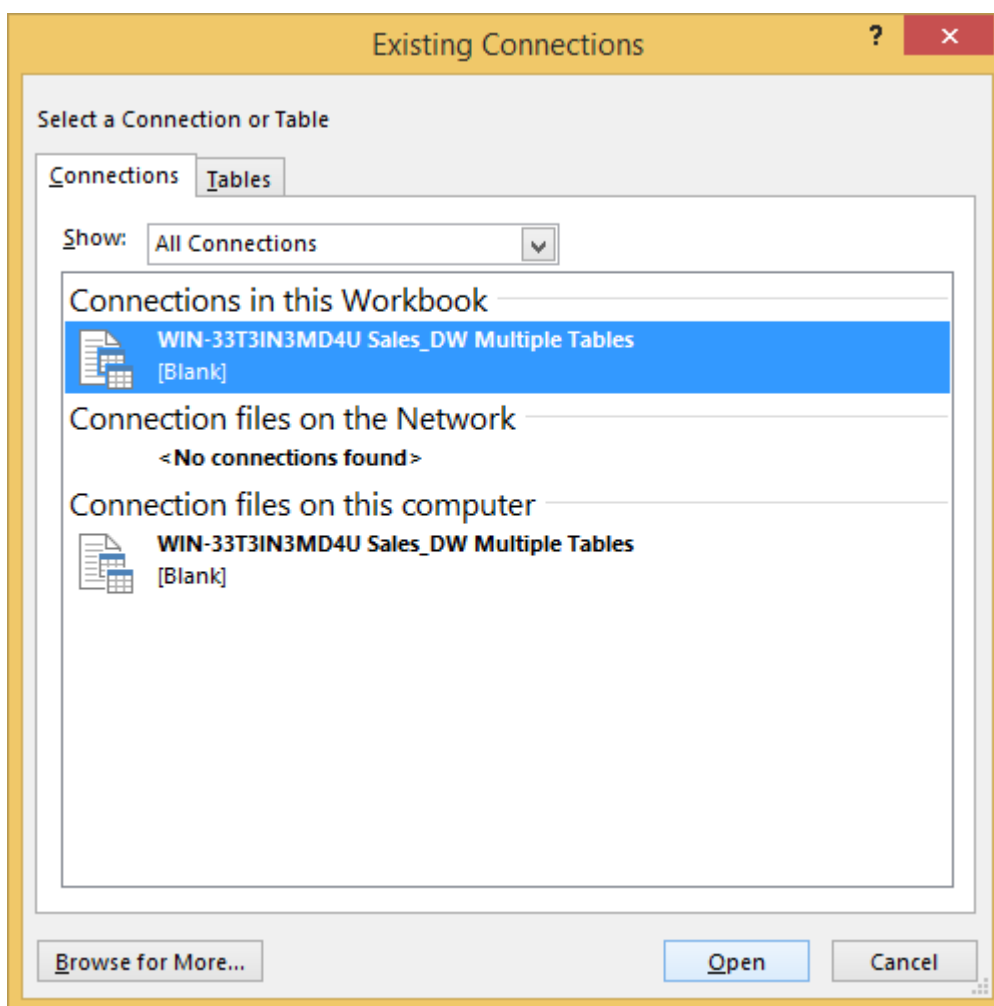
Step 9: Click on Choose Connection to select existing connection with Sales_DW and click on open



The 'Create PivotTable' dialog box is shown with the following settings:

- Choose the data that you want to analyze:**
 - ☐ Select a table or range
 - ☒ Use an external data source
 - Choose Connection...** (highlighted with a dashed border)
 - Connection name: WIN-33T3IN3MD4U Sales_DW Multiple Tabl
- Choose where you want the PivotTable report to be placed:**
 - ☐ New Worksheet
 - ☒ Existing Worksheet
 - Location: Sheet1!\$A\$16
- Choose whether you want to analyze multiple tables:**
 - ☒ Add this data to the Data Model

Buttons: OK, Cancel



The 'Existing Connections' dialog box is shown with the following settings:

- Select a Connection or Table:**
 - Connections** (selected tab)
 - Show: All Connections
- Connections in this Workbook:**
 - WIN-33T3IN3MD4U Sales_DW Multiple Tables [Blank] (highlighted)
- Connection files on the Network:**
 - <No connections found>
- Connection files on this computer:**
 - WIN-33T3IN3MD4U Sales_DW Multiple Tables [Blank]

Buttons: Browse for More..., Open, Cancel

Pivot table and Pivot chart is created

