

Module 1: Introduction to Self-Service BI Solutions

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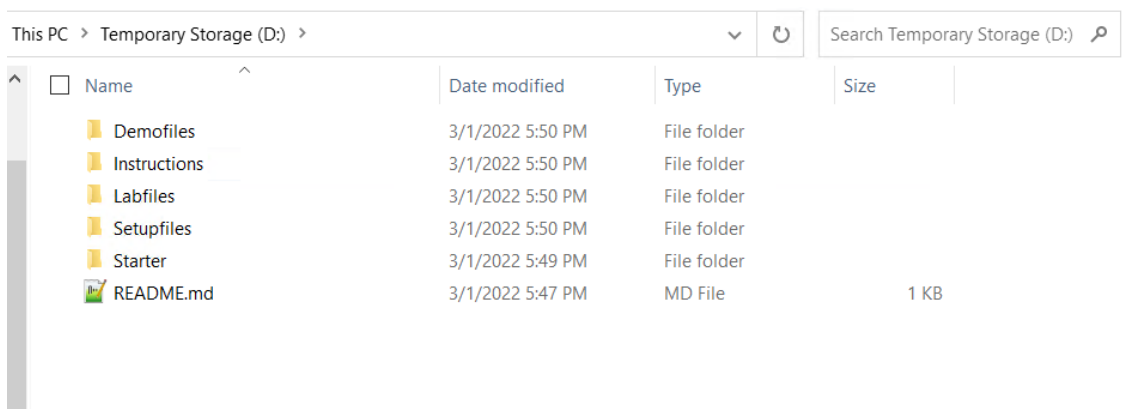
Note: Lab Solution is present in `D:\Labfiles\Lab01\Solution` folder:

Lab: Exploring an Enterprise BI Solution

Exercise 1: Lab Environment Setup

Task 1: Prepare the Lab Environment

1. Ensure that you have copied all folders from `Desktop/power-bi-quickstart` folder into `*D:*` drive before starting the lab:



2. In File Explorer, in the `D:\Labfiles\Lab01\Starter` folder, right-click **Setup.cmd**, and then click **Run as administrator**.
3. In the **User Account Control** dialog box, click **Yes**.
4. If prompted to continue this operation, type **Y**, and then press Enter.
5. When the script is complete, press any key to close the window.

Exercise 2: Creating a Power BI Report

Task 1: Import Data into Power BI Desktop

1. Make sure previous task was completed.
2. On the Taskbar, click **Power BI Desktop**.
3. To close the getting started window, at the top-right of the window, click **X**.
4. On the **Power BI Desktop** screen appears, click **Get data**.

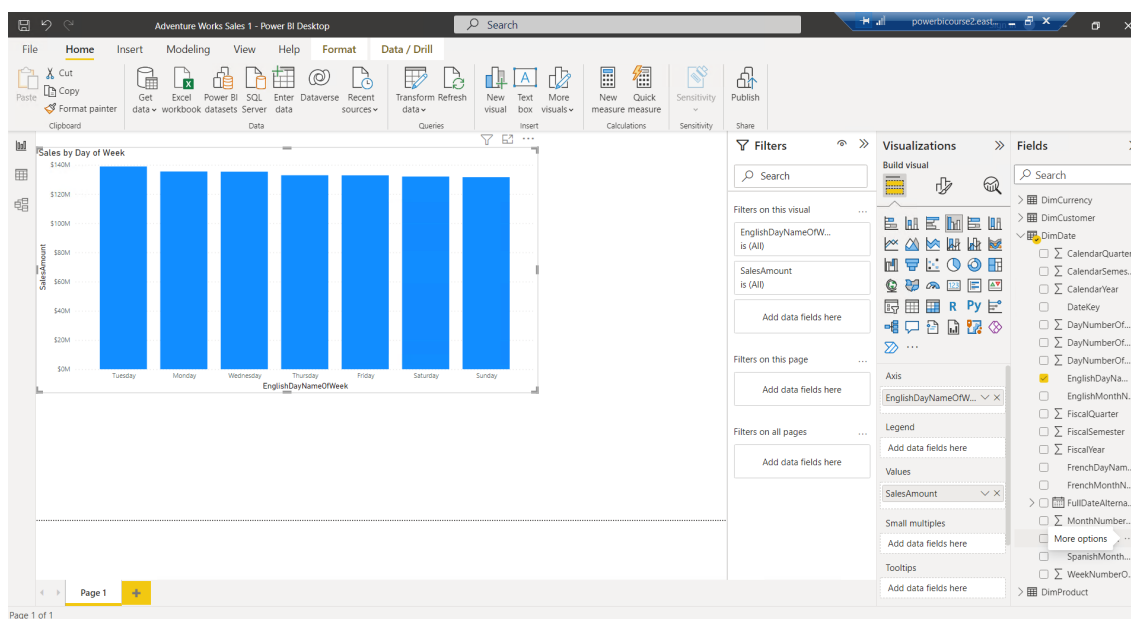
5. In the **Get Data** dialog box, click **SQL Server database**, and then click **Connect**.
6. In the **SQL Server database** dialog box, in the **Server** box, type **localhost**.
7. In the **Database (optional)** box, type **AdventureWorksDW**, and then click **OK**.
8. If the **SQL Server database** dialog box appears, leave the default settings unchanged, and then click **Connect**.
9. If the **Encryption Support** dialog box appears, click **OK**.
10. In the **Navigator** dialog box, select the **FactInternetSales** check box.
11. Click **Select Related Tables**, and then click **Load**.

Note: Wait for some time while tables are loaded.

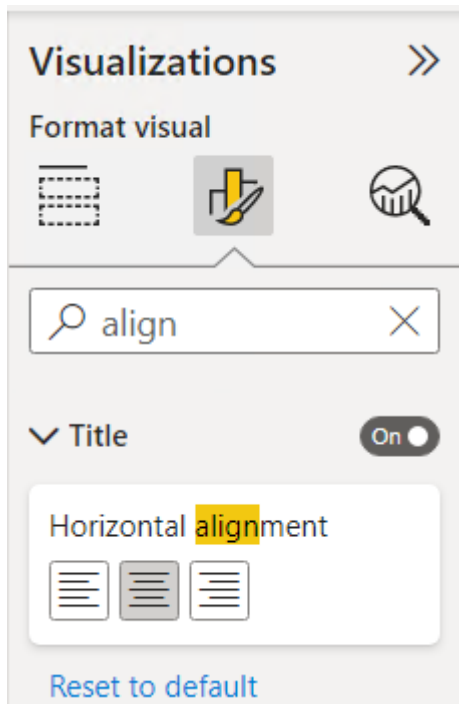
12. On the **File** menu, click **Save**.
13. In the **Save As** dialog box, browse to the **D:\Labfiles\Lab01\Starter\Project** folder, and in the **File name** box, type **Adventure Works Sales 1**, and then click **Save**.

Task 2: Add Visualizations to the Report

1. In the **FIELDS** pane, expand **FactInternetSales**, and drag the **SalesAmount** field onto the report canvas to create a column chart.
2. Expand **DimDate**, and drag the **EnglishDayNameOfWeek** field to the **Axis** property.
3. Move the chart to the top left-hand corner of the canvas, and expand the chart width so the days of the week display in full.
4. In the **VISUALIZATIONS** pane, click **Format**, and expand **Title**.
5. In the **Title text** box, type **Sales by Day of Week**.



6. Next to **Alignment**, click the **Center** icon.



7. In the **FIELDS** pane, under **FactInternetSales**, drag the **SalesAmount** field onto the report canvas to create a column chart.

8. Under **DimDate**, drag the **CalendarQuarter** field onto the chart. Notice that there is only one column.

9. In the **VISUALIZATIONS** pane, click **Fields**. Drag the **CalendarQuarter** field from **Value** to **Axis**.

10. Click **Format**, and expand **Title**.

11. In the **Title text** box, type **Sales by Calendar Quarter**.

12. Next to **Alignment**, click the **Center** icon.

13. Expand **Colors**, change **Show all** to **On**, and for **1**, select **red**, for **2**, select **blue**, and for **3**, select **yellow**.

14. Move the chart to the right of the **Sales by Day of Week** chart, and expand it so both charts are the same height.

15. In the **FIELDS** pane, expand **DimSalesTerritory**, and drag the **SalesTerritoryCountry** column onto the report canvas under the **Sales by Day of Week** chart.

Note: Map and filled map visuals option are disabled by default. You will need to enable it first.

16. Under **FactInternetSales**, drag the **SalesAmount** field onto the map.

17. Expand the map to show all the values.

SalesAmount by SalesTerritoryCountry



18. In the **Title text** box, type **Sales by Country**.
19. Next to **Alignment**, click the **Center** icon.
20. In the **FIELDS** pane, expand **DimCustomer**, and drag the **CommuteDistance** field onto the report canvas under the **Sales by Calendar Quarter** chart.
21. Under **FactInternetSales**, drag the **SalesAmount** field onto the chart.
22. In the **VISUALIZATIONS** pane, click **Donut chart**.
23. In the **Title text** box, type **Sales by Commute Distance**.
24. Next to **Alignment**, click the **Center** icon.
25. On the **File** menu, click **Save**.