

## Practical 3

### Aim: Data Visualization from ETL Process

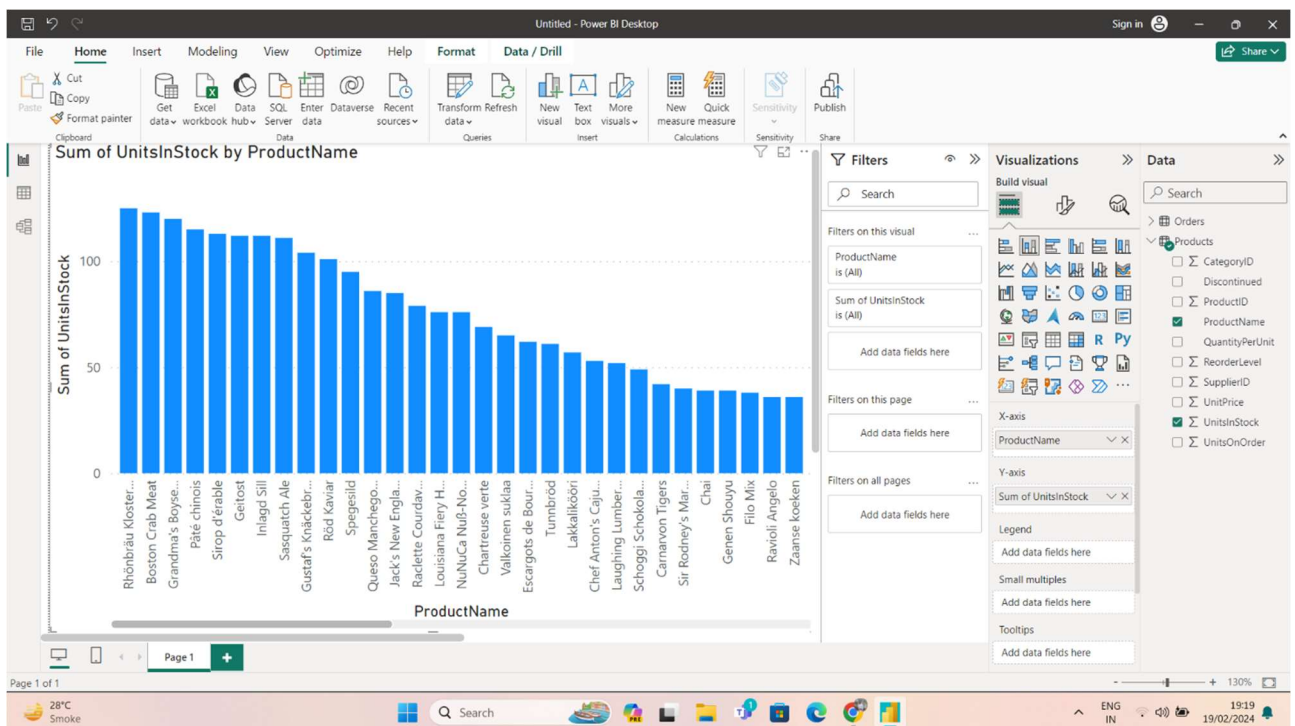
Power BI Desktop lets you create a variety of visualizations to gain insights from your data. You can build reports with multiple pages and each page can have multiple visuals.

You can interact with your visualizations to help analyze and understand your data. In this task, you create a report based on the data previously loaded.

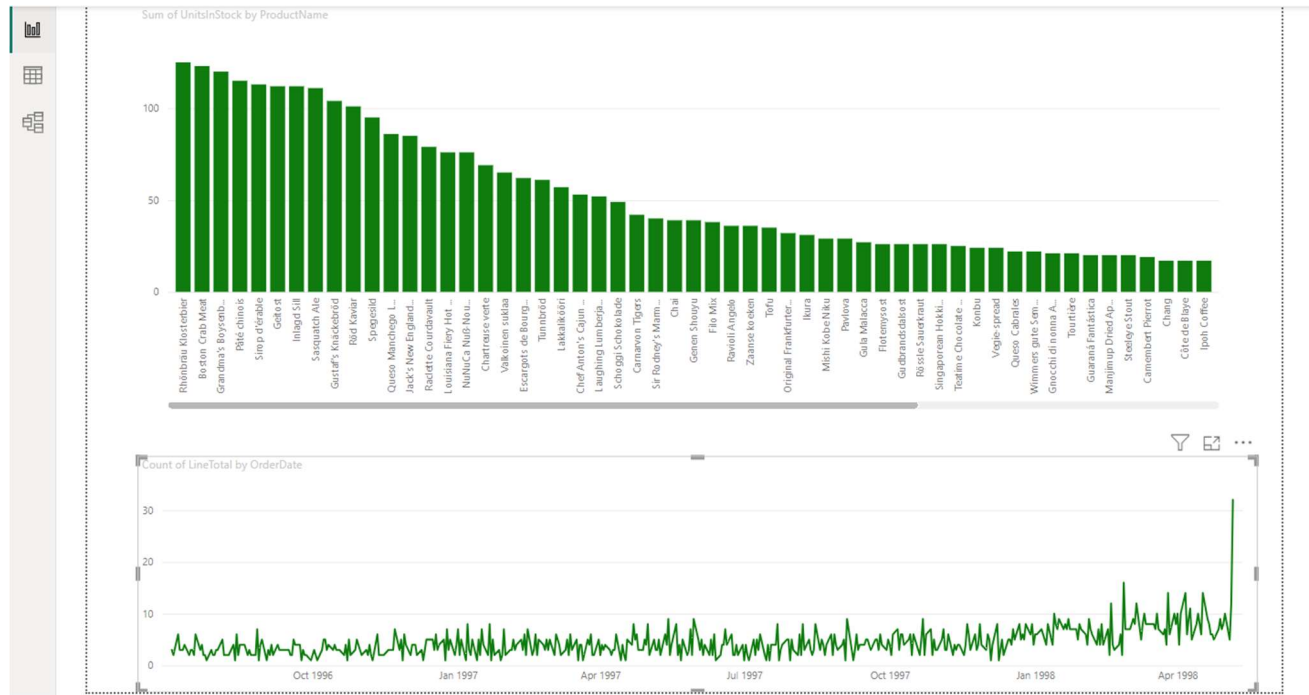
You use the Fields pane to select the columns from which you create the visualizations.

### Step 1: Create charts showing Units in Stock by Product and Total Sales by Year

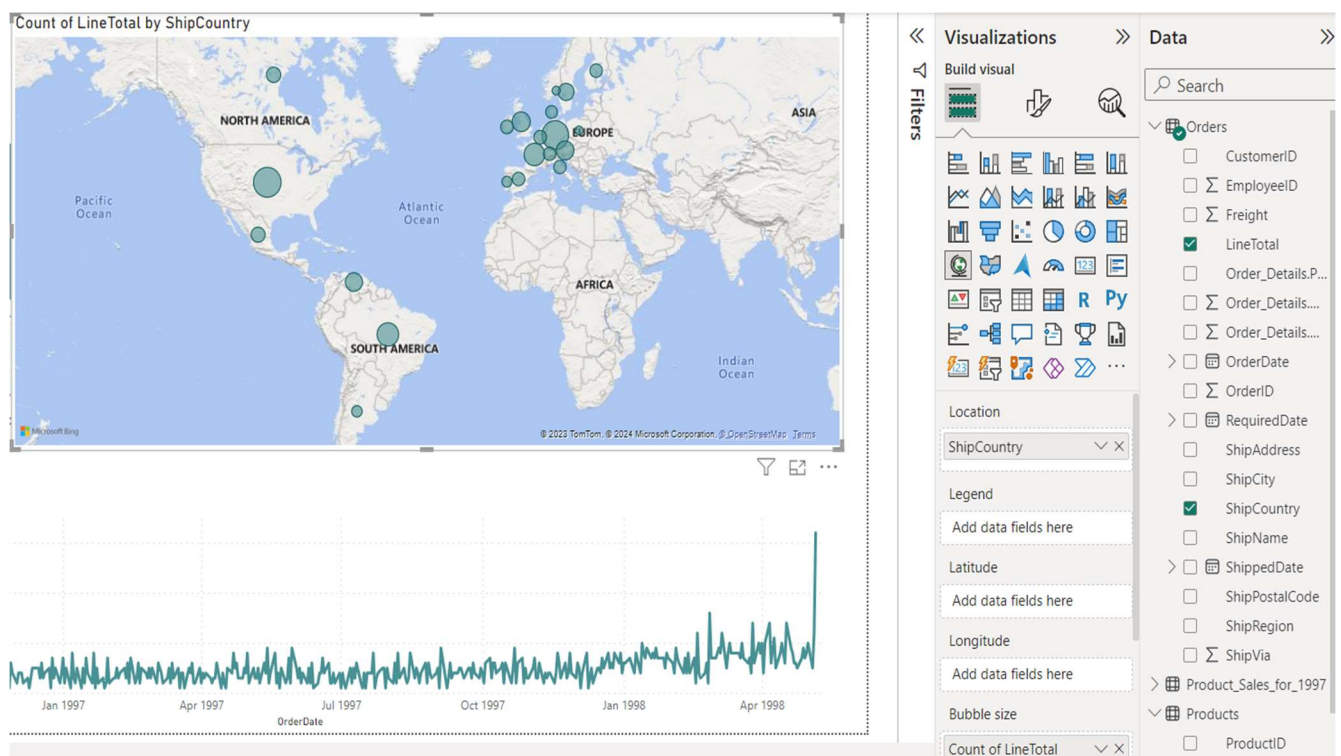
1. Drag UnitsInStock from the Field pane (the Fields pane is along the right of the screen) onto a blank space on the canvas.  
A Table visualization is created. Next, drag ProductName to the Axis box, found in the bottom half of the Visualizations pane.  
Then we then select Sort By > UnitsInStock using the skittles in the top right corner of the visualization.



2. Drag OrderDate to the canvas beneath the first chart, then drag LineTotal (again, from the Fields pane) onto the visual, then select Line Chart.  
The following visualization is created.



3. Next, drag ShipCountry to a space on the canvas in the top right. Because you selected a geographic field, a map was created automatically. Now drag LineTotal to the Values field; the circles on the map for each country are now relative in size to the LineTotal for orders shipped to that country.



## Step 2: Interact with your report visuals to analyse further

Power BI Desktop lets you interact with visuals that cross-highlight and filter each other to uncover further trends.

1. Click on the light blue circle centered in Canada. Note how the other visuals are filtered to show Stock (ShipCountry) and Total Orders (LineTotal) just for Canada.

