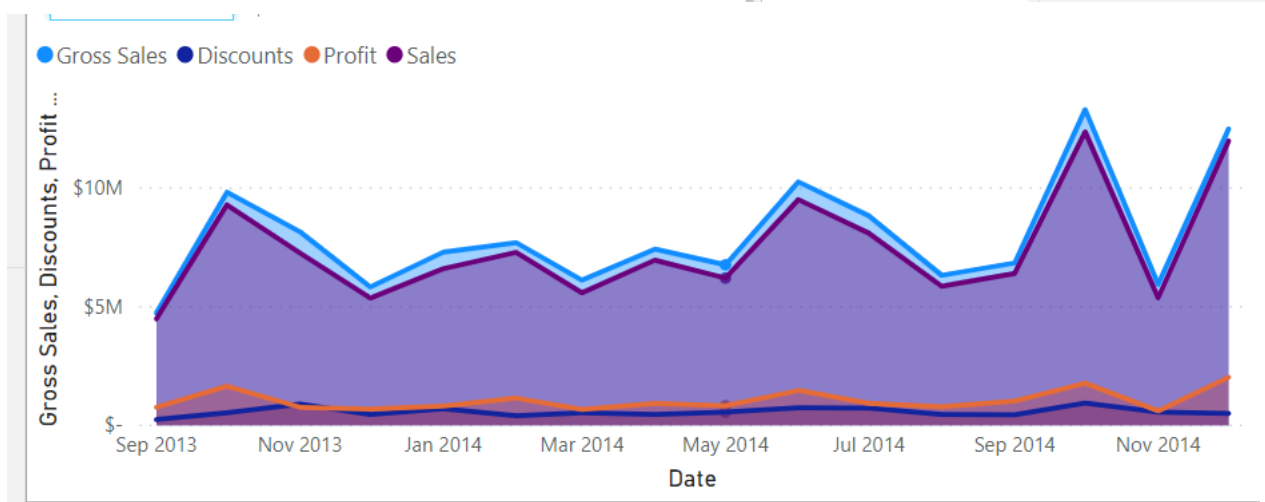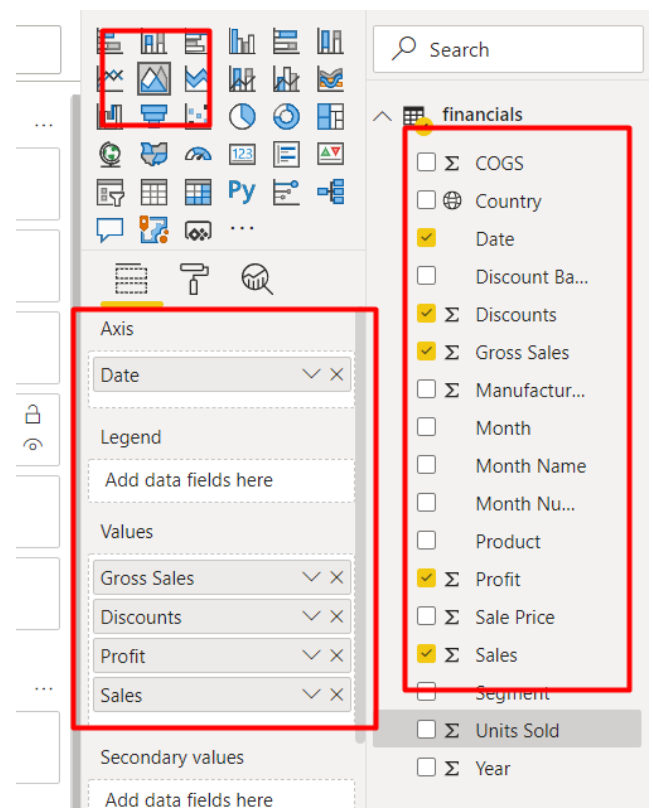# Power BI Basics

-Prateek Majumder

Part 5

Area Charts Extended

Now we plot the Gross Sales, Discounts, Profit and Sales over the time axis. The following changes are done.
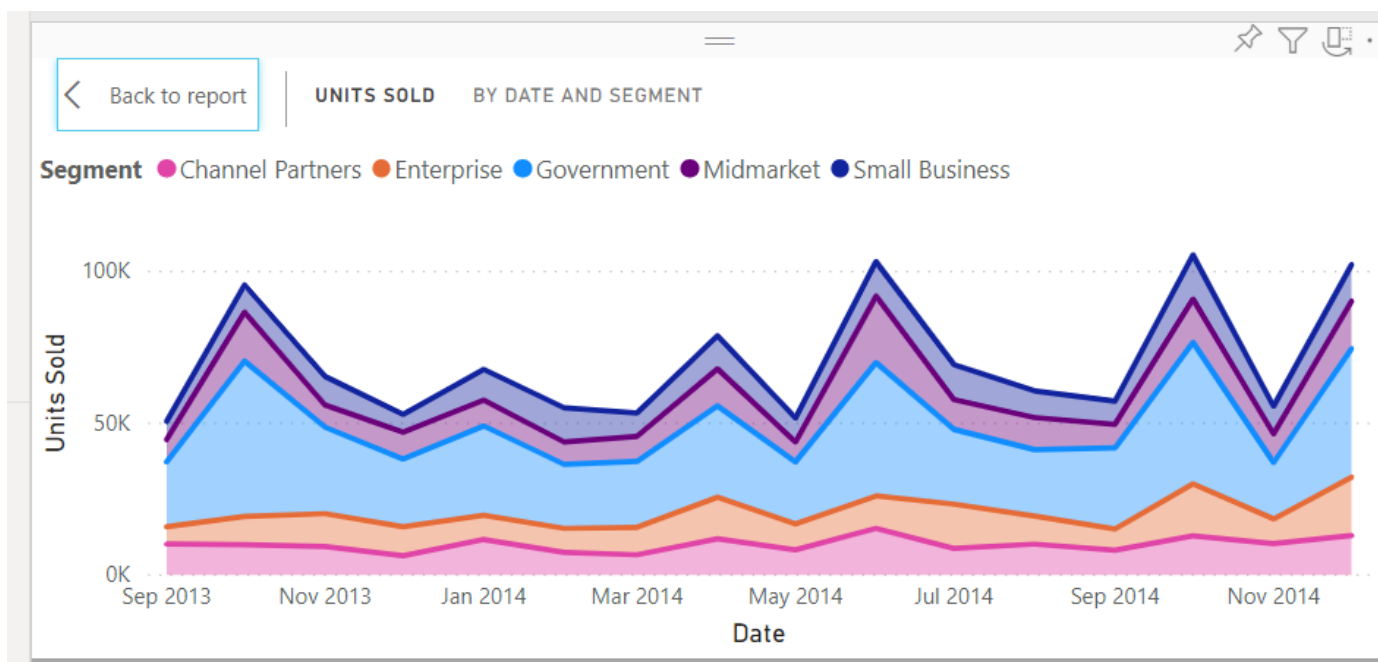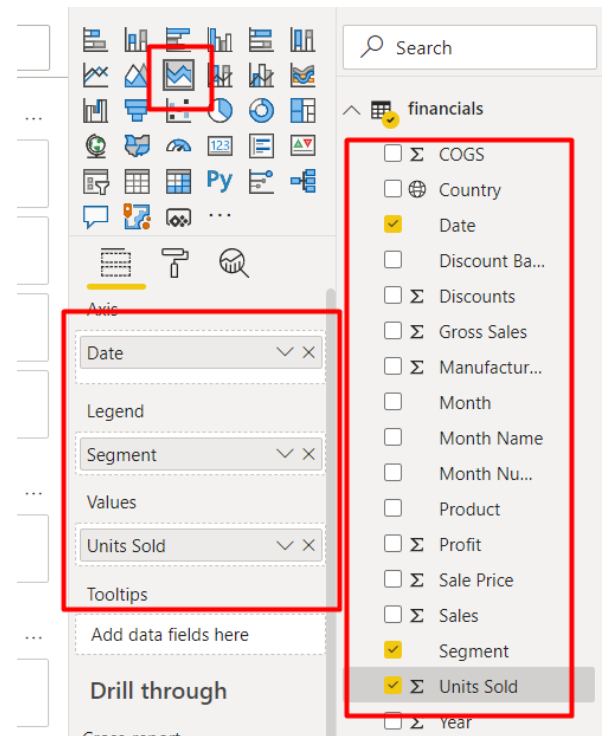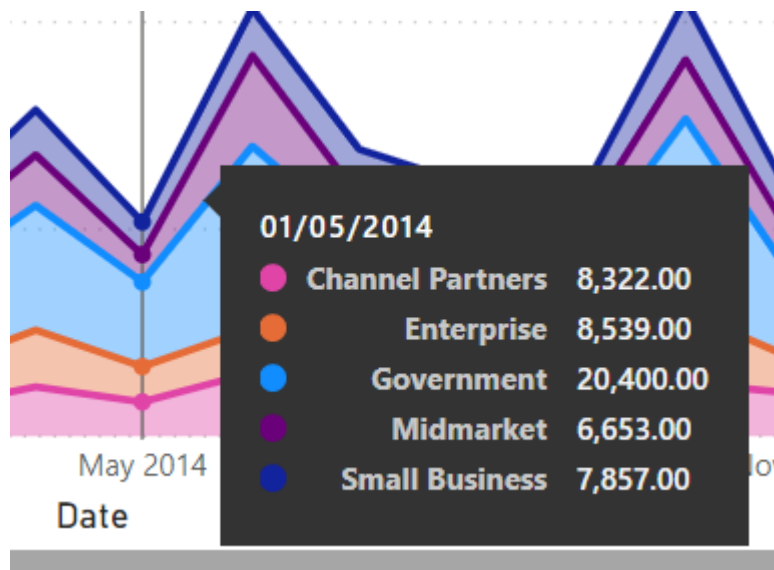

The following visual is obtained.

Stacked Area Chart

Say, we need to represent how several quantities combine to make a whole, we can use a stacked area chart. A stacked area chart shows how much each part contributes to the whole amount. For example, the owner of a chain of super stores might want to make a chart showing the profit made by each of his stores and the total profit made by all the stores together. A stacked area chart would be perfect for representing this kind of data.
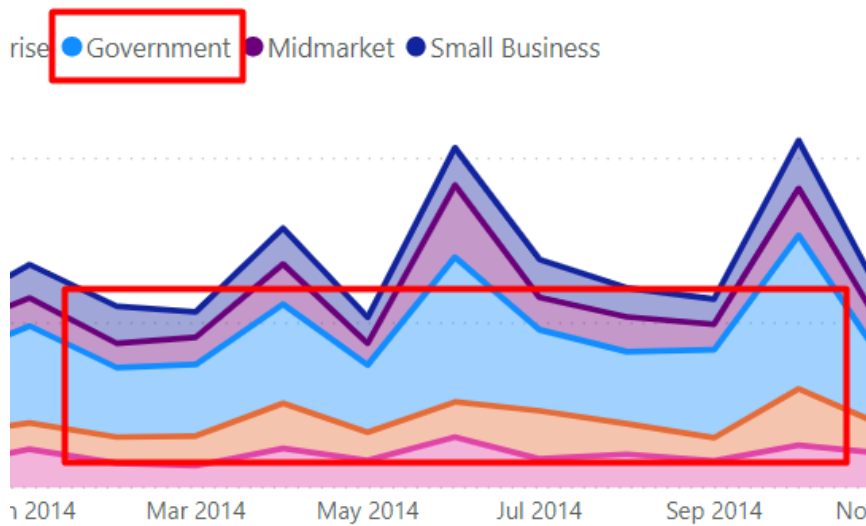
We shall plot a stacked area chart of the number of units sold, across various segments, over the dates. The settings are made. And it is plotted.
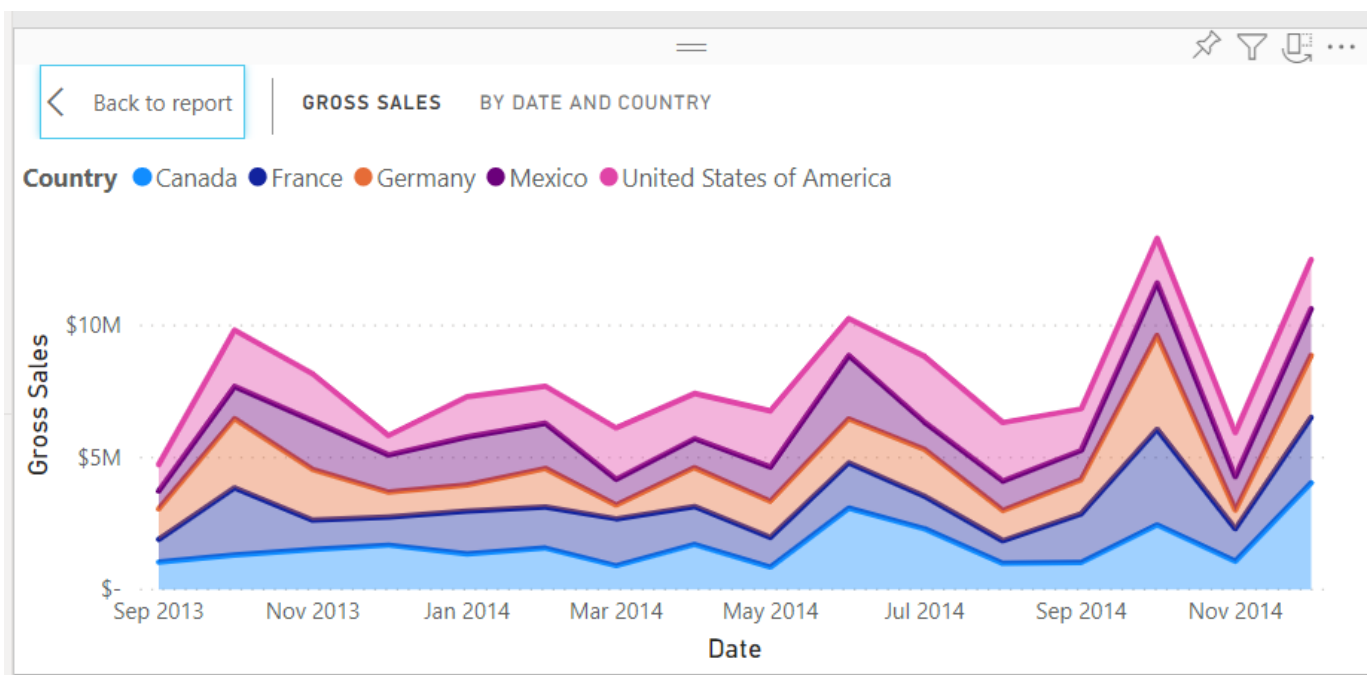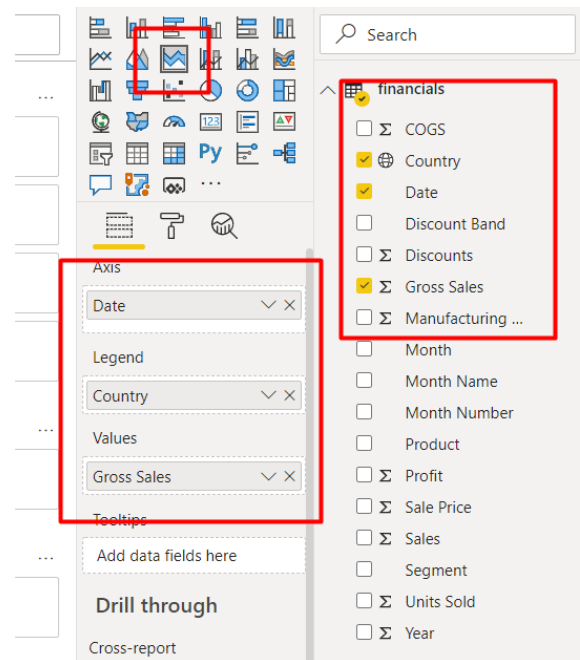

The above visual is obtained.

Hovering at any point gives the exact values. Unlike the normal area chart, the area does not overlap, instead they stack up (or add) on top of each other. This lets us have an idea of which feature is contribution more/less towards the net volume.

01/05/2014	
● Channel Partners	8,322.00
● Enterprise	8,539.00
● Government	20,400.00
● Midmarket	6,653.00
● Small Business	7,857.00

May 2014

Date

rise ●Government ●Midmarket ●Small Business

n 2014   Mar 2014   May 2014   Jul 2014   Sep 2014   No

Just a visual analysis gives us the idea that the maximum units sold have been for the Government category.

Now, we will analyze the gross sales across the Countries over the dates.

The following visual is formed.

It clearly shows the Gross Sales across the countries over the dates, thus we can see the benefits of using the stacked area chart.