

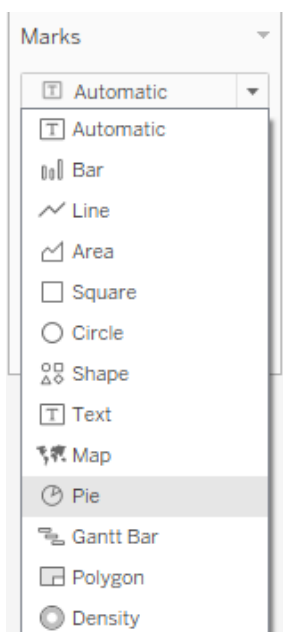
Pie Chart

A Pie chart is a Statistical graph divided into slices to illustrate numerical proportion. In a pie chart arc length of each slice is proportional to the quantity it represents.

- **Pros:** A pie chart displays relative proportions of multiple data classes and visually summarises a large dataset.
- **Cons:** Pie charts do not easily reveal exact values, fail to reveal key assumptions, causes, impacts & patterns, and can be easily manipulated to give false impressions.

Suppose you want to show % of profit for each segment so that you will take the help of a Pie Chart.

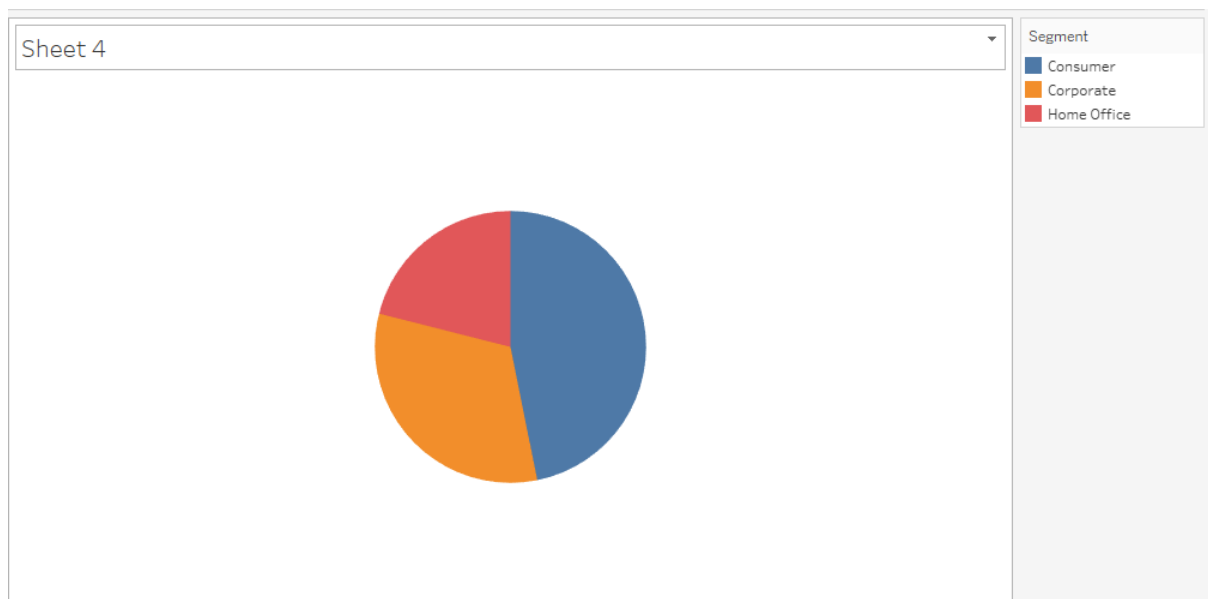
Since we need to create a Pie Chart, we select Pie charts manually in the Marks.



Further, as we want to create a Pie chart depicting the profits of various segments, we will drag and drop segments onto color to divide our pie chart based on segments, as shown below:

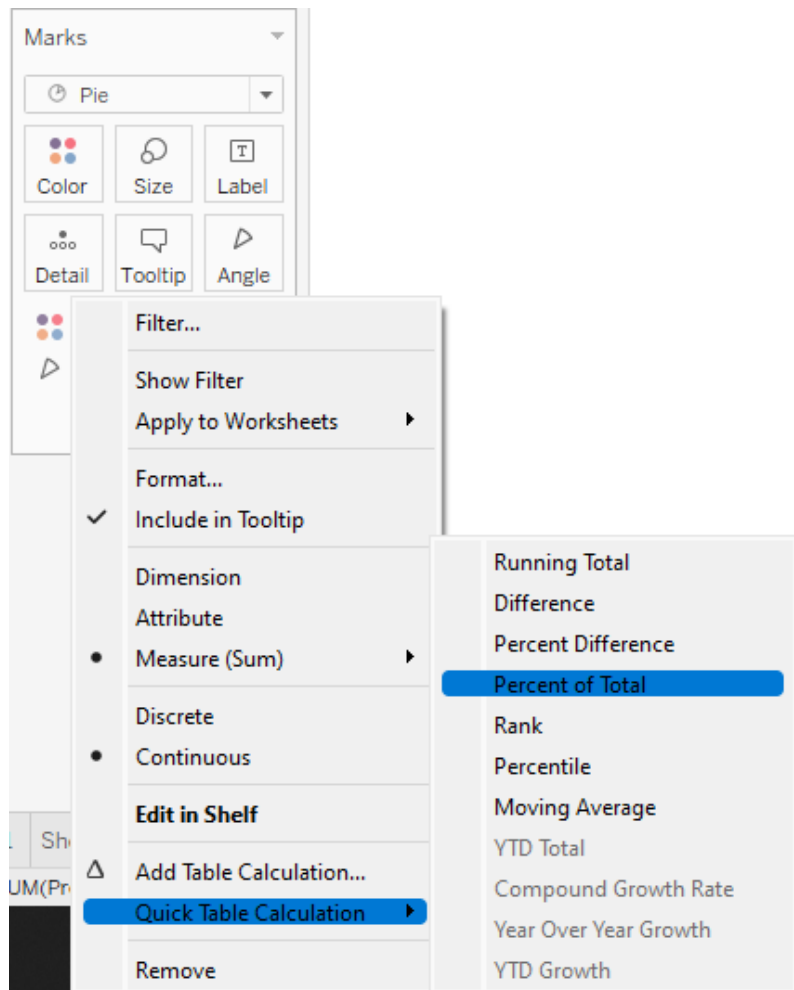


Now, these colours are equally divided, but we want the pie chart to be divided on the base of profits, so we will drag and drop profit onto Angle, which will give the following output:

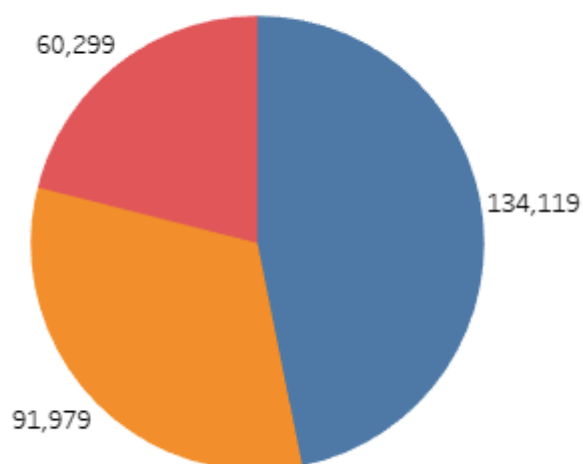


Now, these segments are divided based on the Sum of profits. But actually, we want to divide them based on the percentage of profits.

So for that right, click on SUM(PROFIT) and then go on 'Quick Table Calculations' and select 'Percent of Total'.

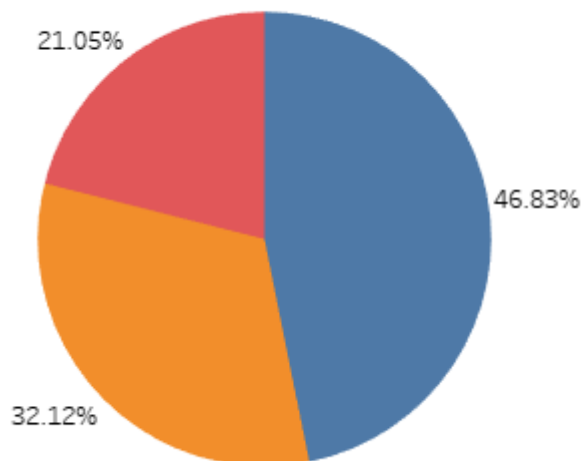


Further, to increase the chart's readability, we will add profit as a Label, so drag and drop Profit to Label.

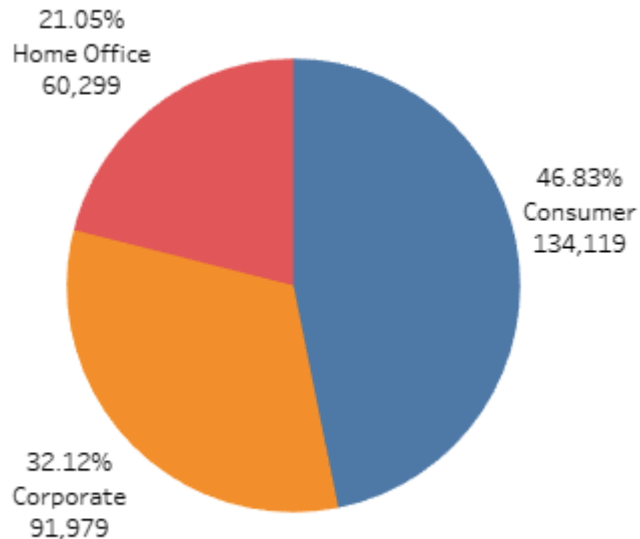


We have the profit as a label now, but we want this profit as a percentage of the total, so for that, we will right-click on the Profit label, click on 'Quick Table Calculations', and select 'Percent of Total.'

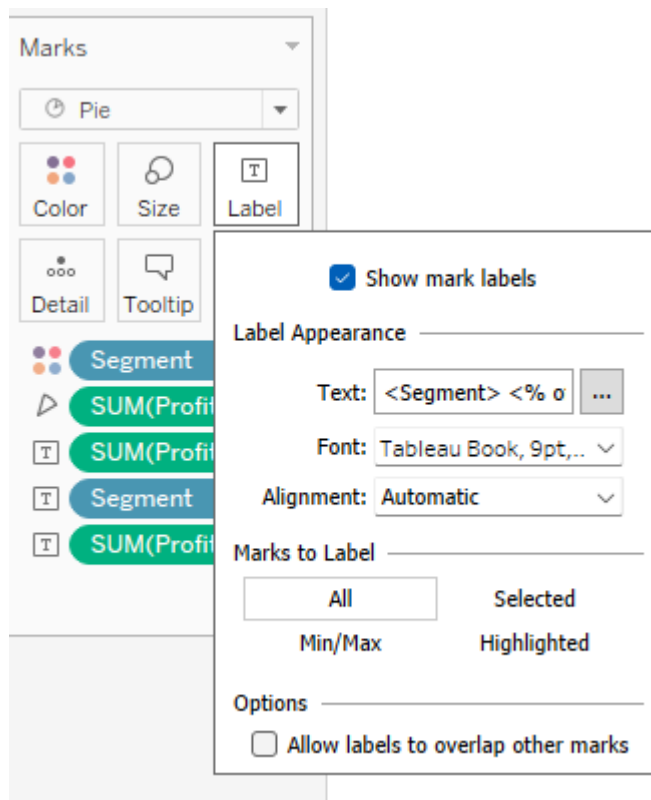
We get the following output:



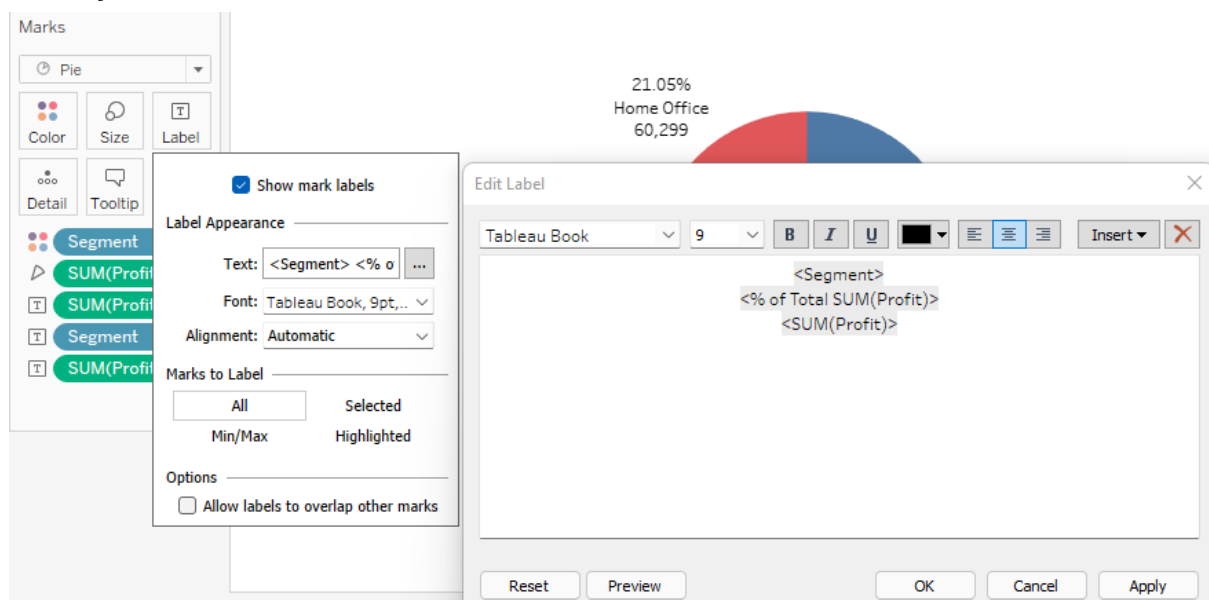
Further, we can also add Segment and Profit as Label to it, which will result in the following:



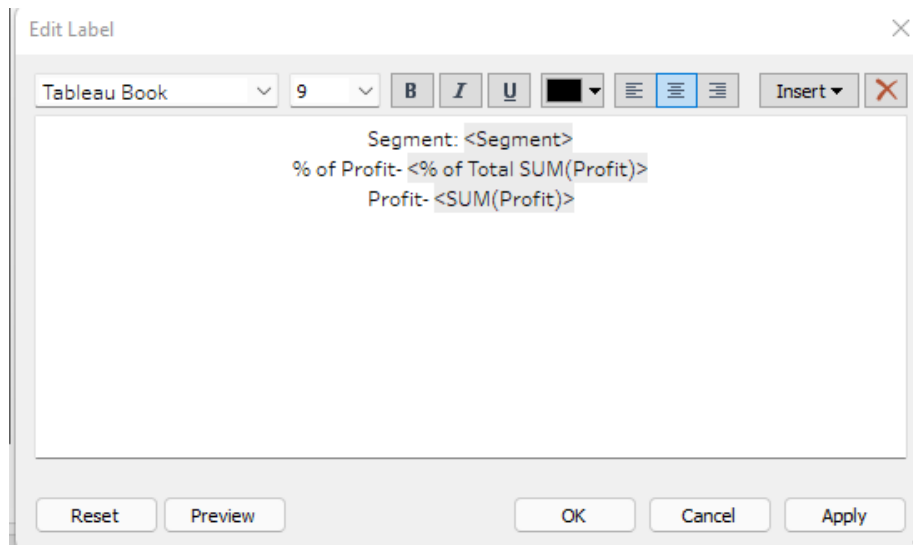
It becomes difficult to understand what value represents what, so we will put a certain label in front of that to make it better understood by editing the label by double-clicking on 'Label.'



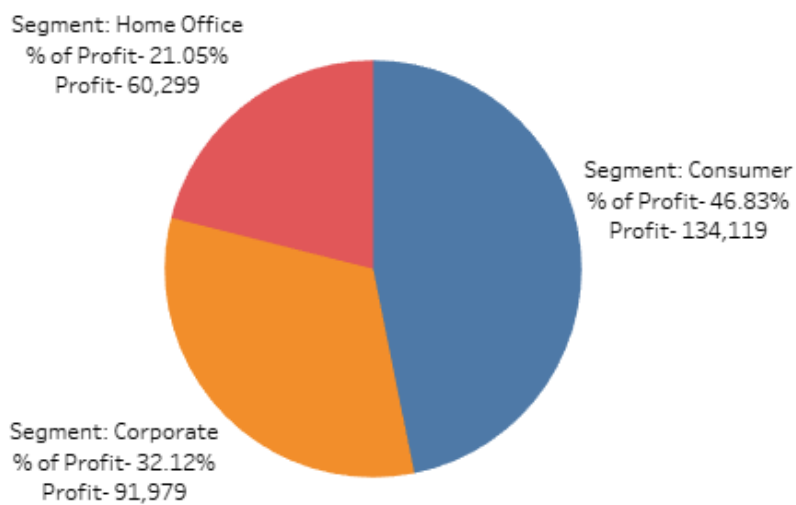
Further click on the three dots in front of Text which will give the following window where you can Edit the Labels:



We can add labels in front of the fields as the following:



After implementing this, we will get input as follows:



After observing the above pie chart, we can see that Consumer is the one producing the highest profit and it is equal to 46.83%.