

Module 8: Advance Charts in Tableau

Demo Document V

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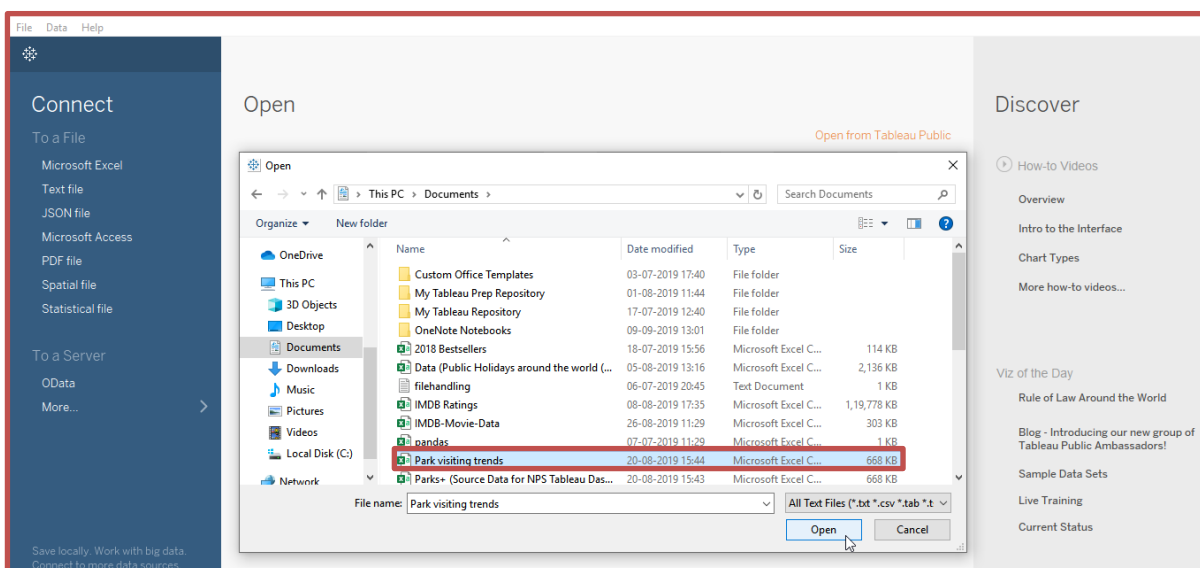
Demo V

Using “Park visiting trend.csv” dataset, build a donut chart that shows the percentage of visitation that each region is contributed.

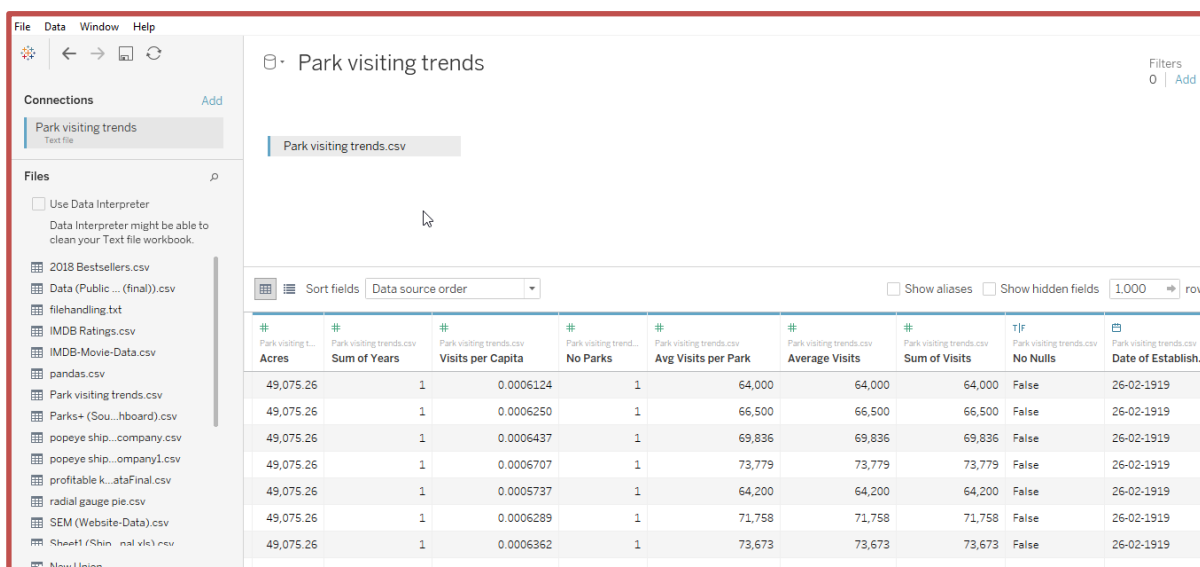
Demo V Solution

Donut chart is basically used to compare the contribution of each value to the total. It is the overlapping of two pie charts.

Step 1: Click on “Text file” → Select “Park visiting trend” → Open



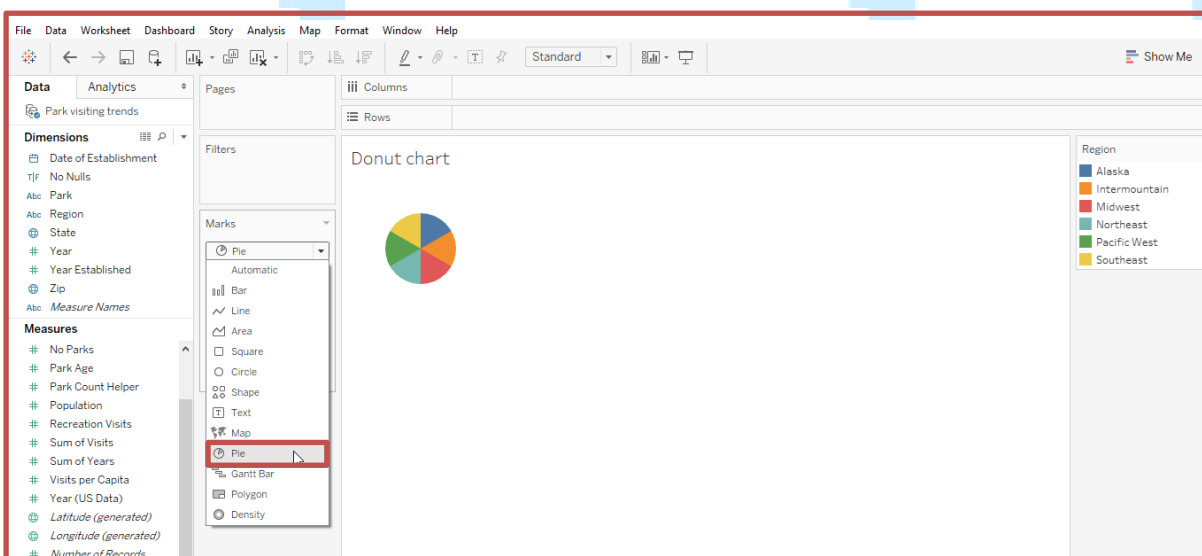
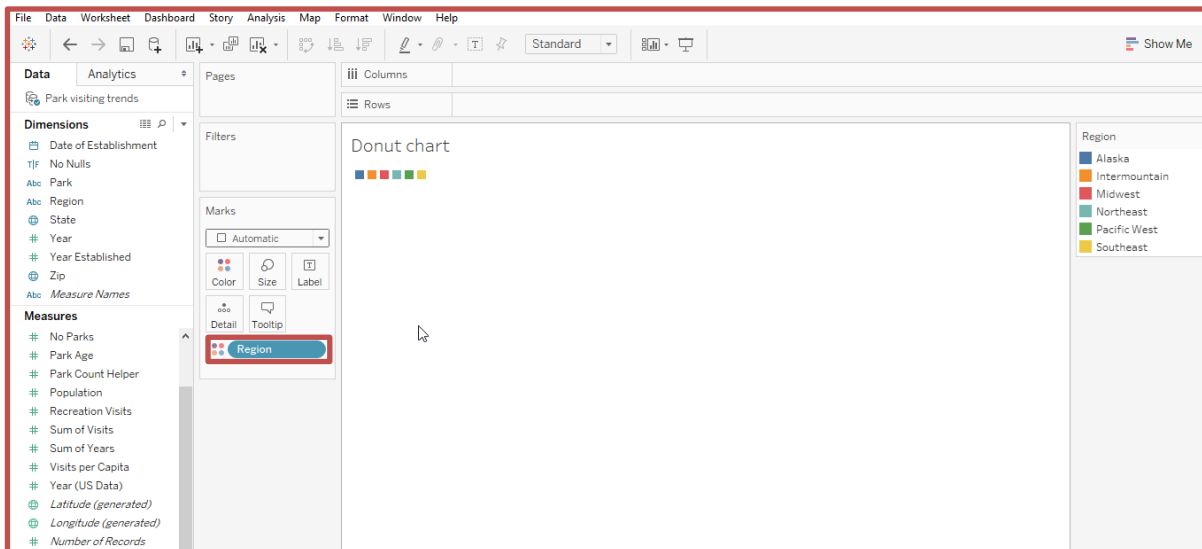
Step 2: Drag and drop the sheets that is “Park visiting trend” sheet on flow pane. Click on sheet.



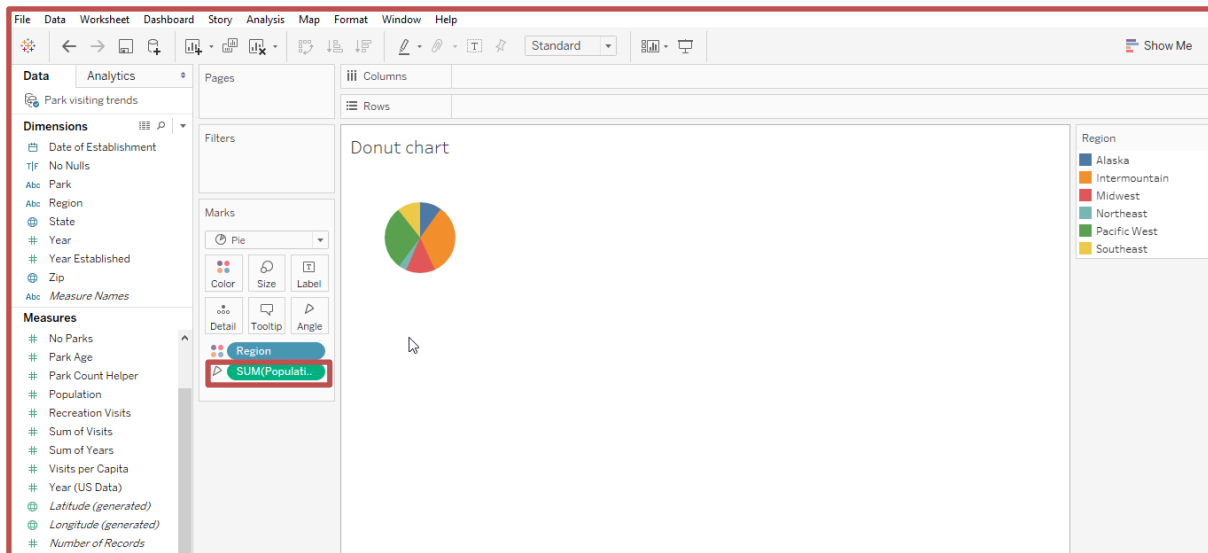
Go to sheet and rename the sheet to “Donut chart”

Step 3: Drag and drop the required fields from dimensions and measures to column and row shelf.

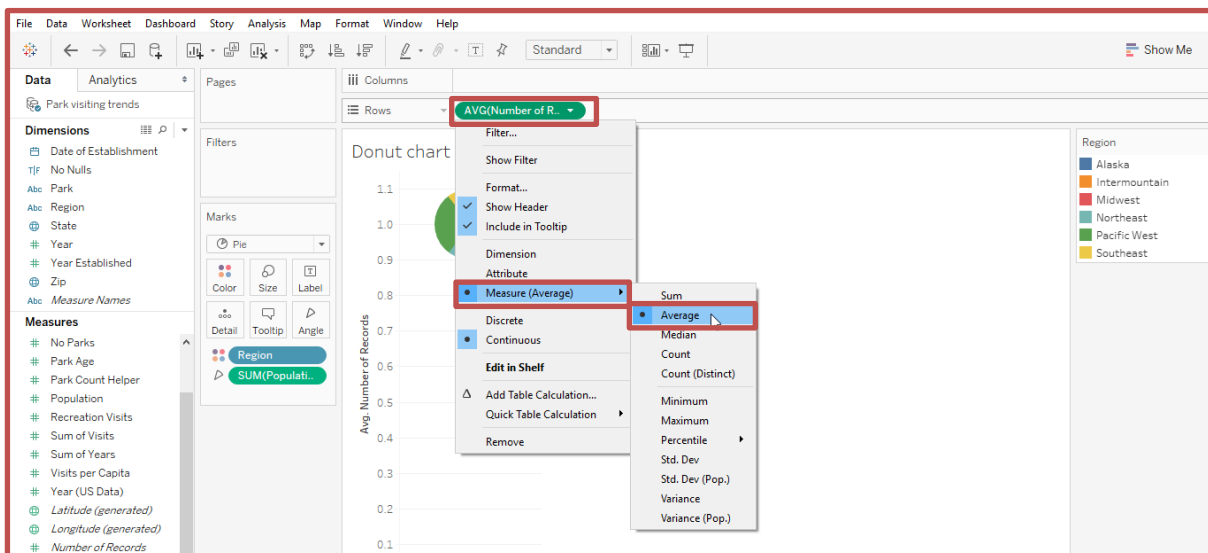
- Region to color pane in the marks shelf. Change the mark type to pie chart.
- Population to angle.



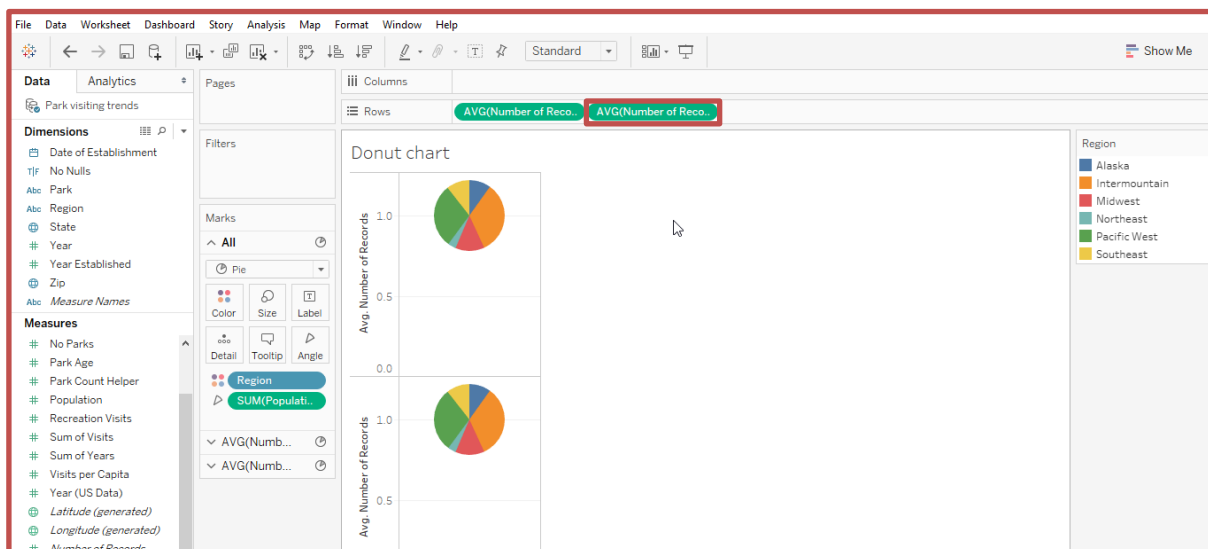
Module 8: Advance Chart in Tableau



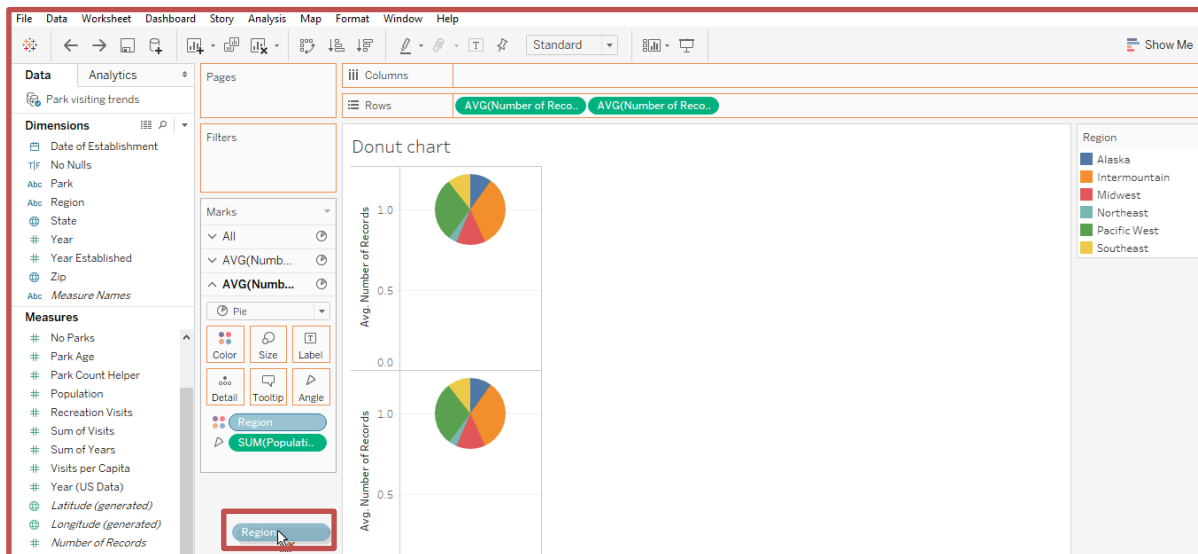
Step 4: Add no. of records to rows and change the measure to average.



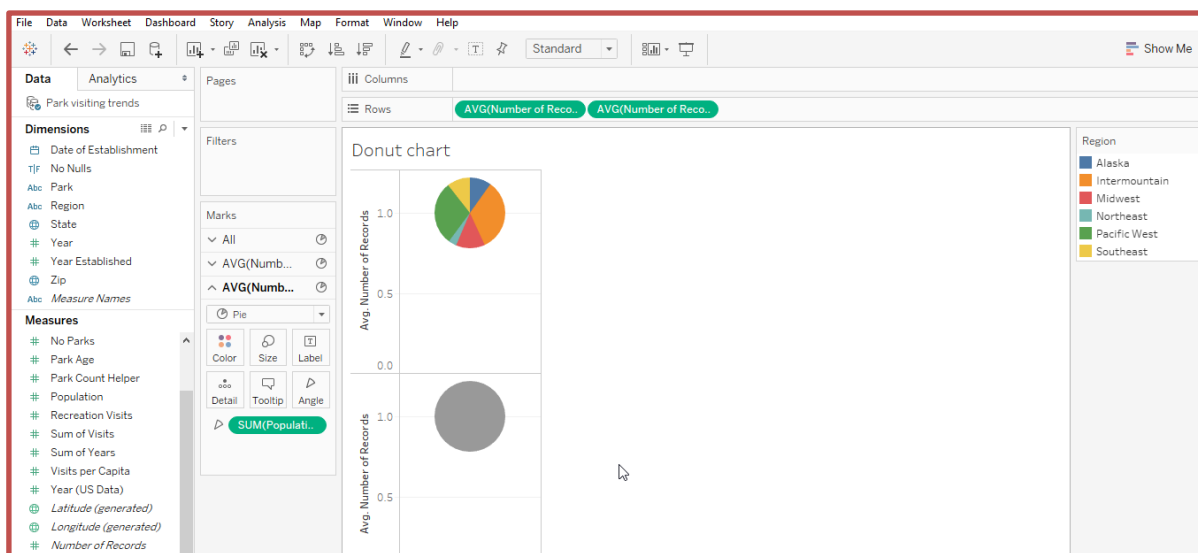
Step 5: Duplicate number of records by ctrl+click and drag to row shelf.



Step 6: Remove region from color pane of marks shelf by keeping only population in number of records (second).

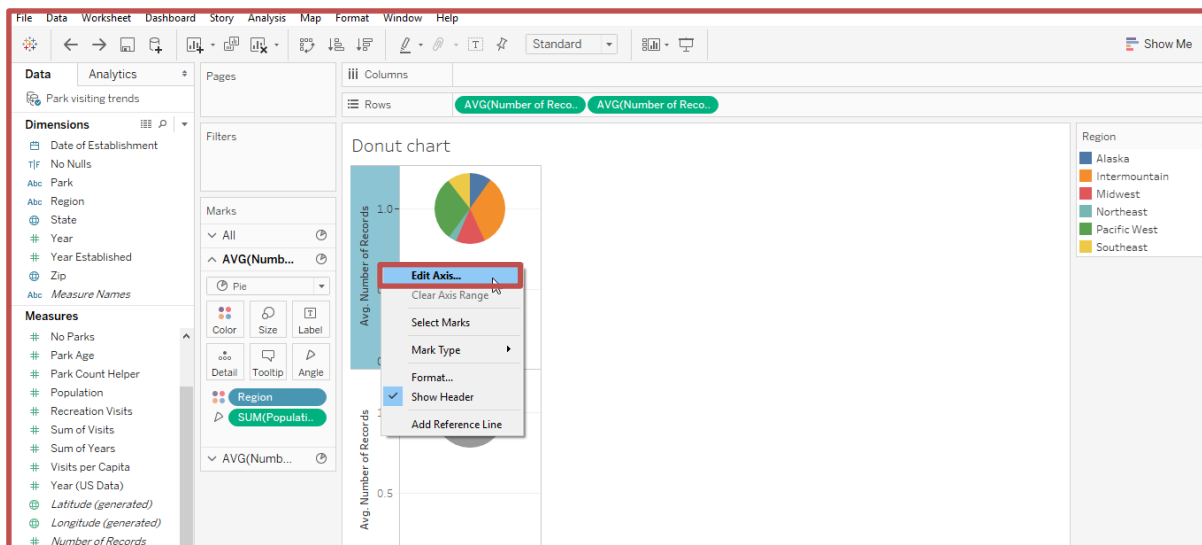


You may visualize something like below.

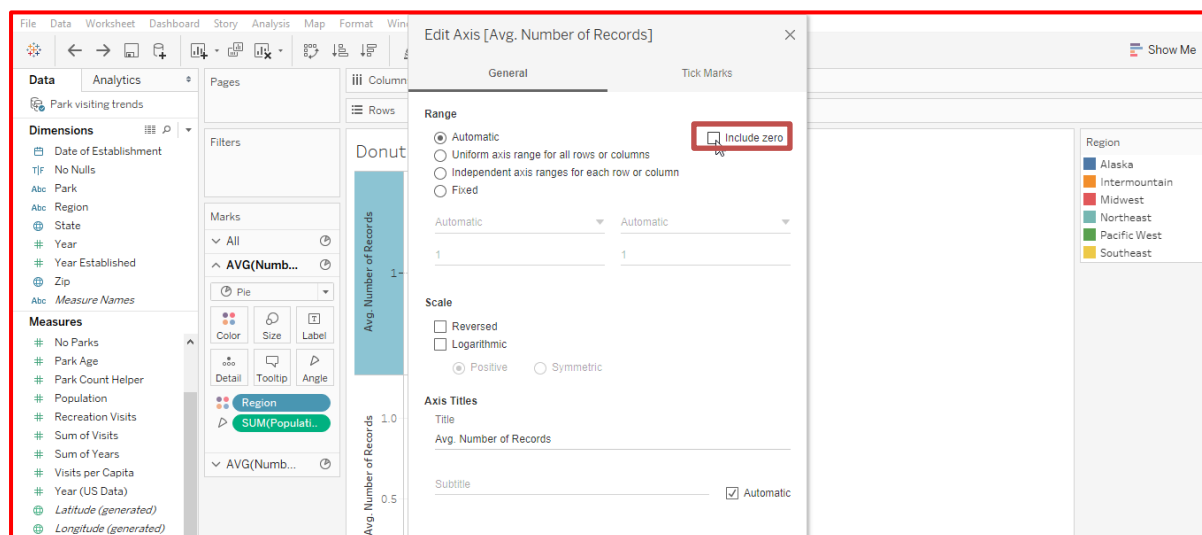


Step 7: Edit axis to remove zero as the origin.

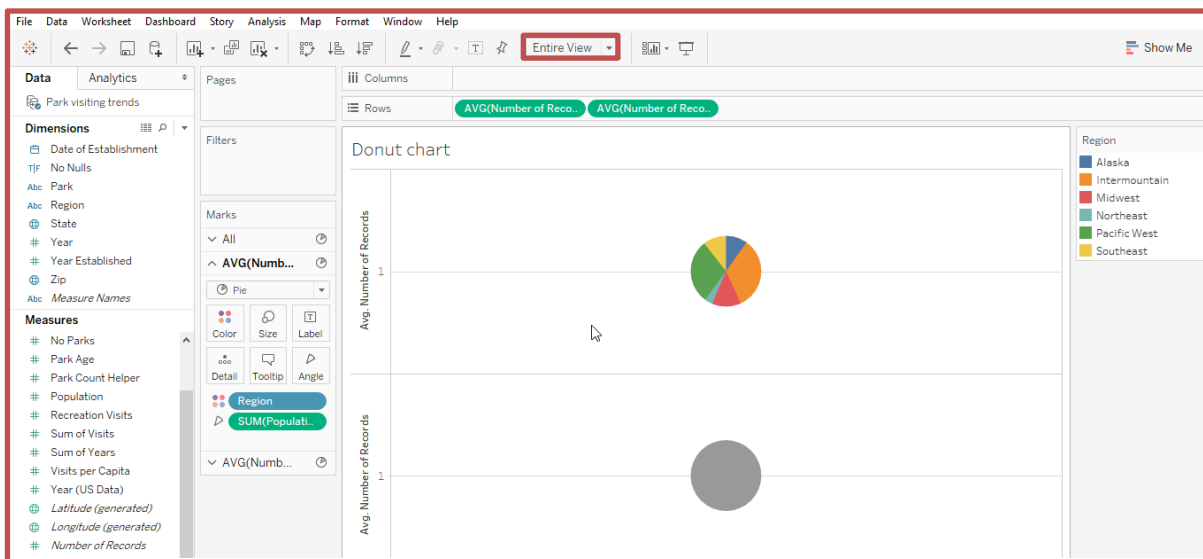
To edit axis right click on the axis and select edit axis.



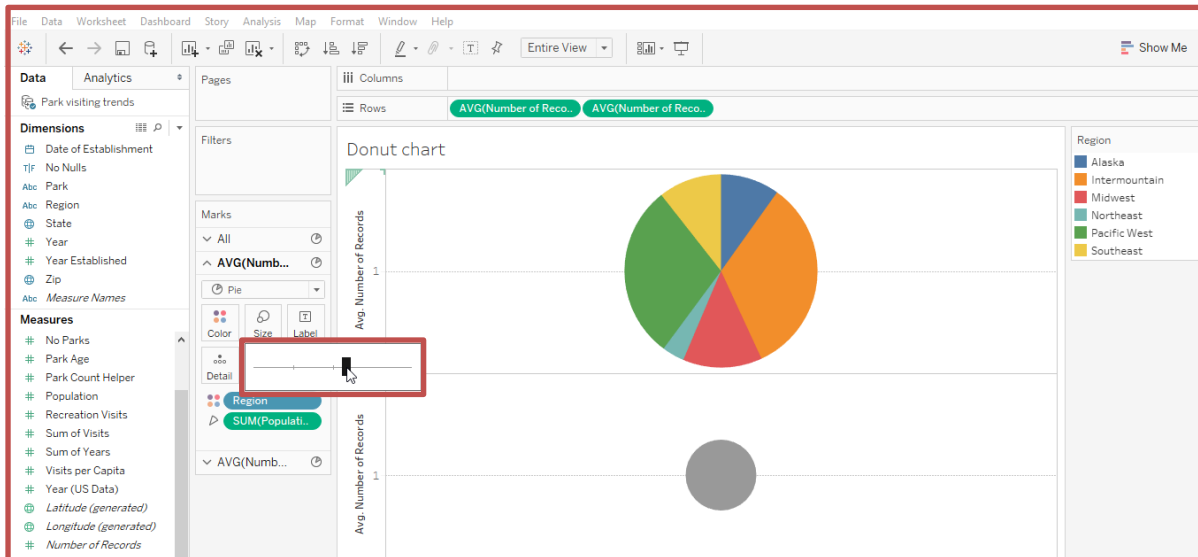
Step 8: Uncheck include zero option.



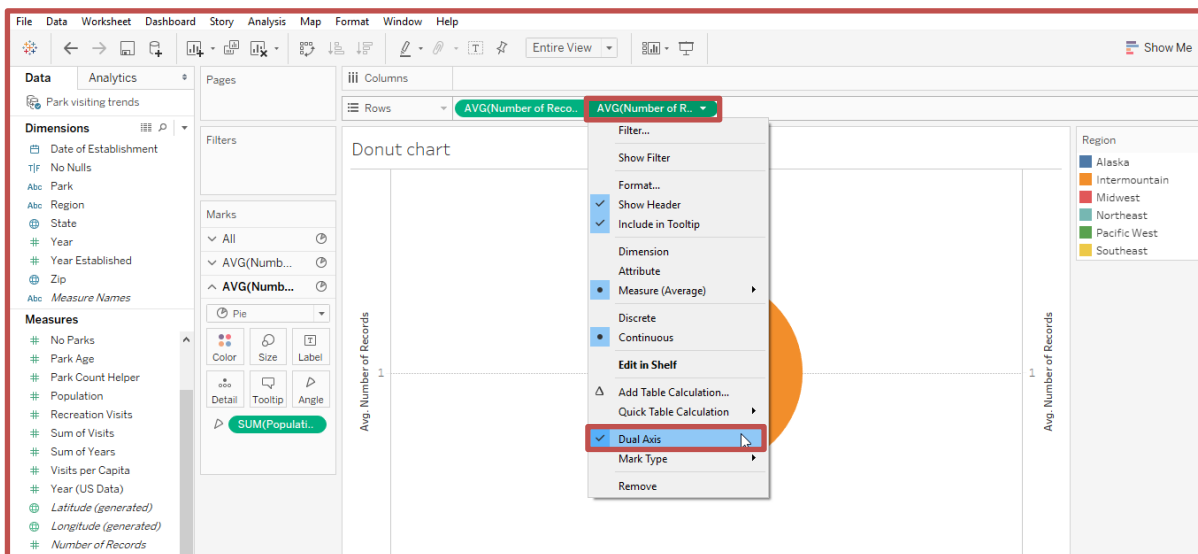
Step 9: Repeat for the below view as well and change the view to entire view.



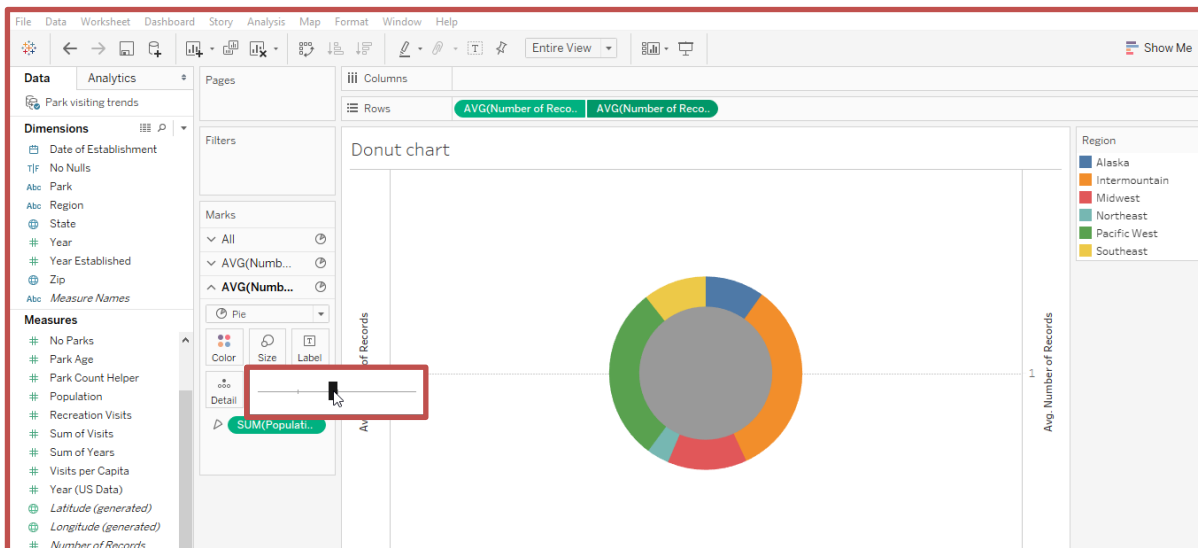
Step 10: Increase the size of first pie chart.



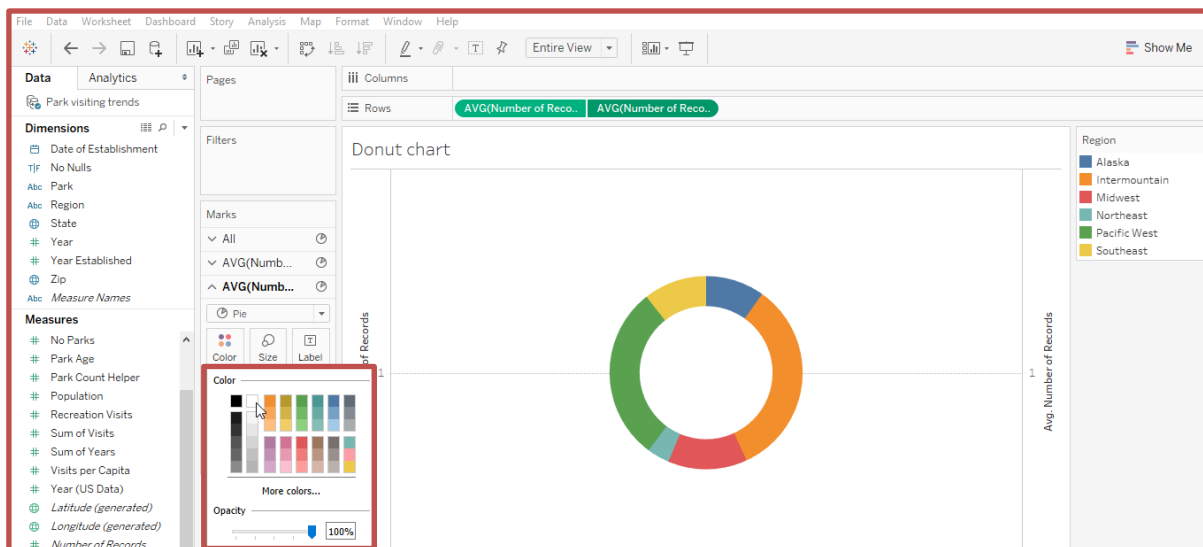
Step 11: Click the drop down of number of records and select dual axis.



Step 12: Resize both charts accordingly as in they represent a donut.

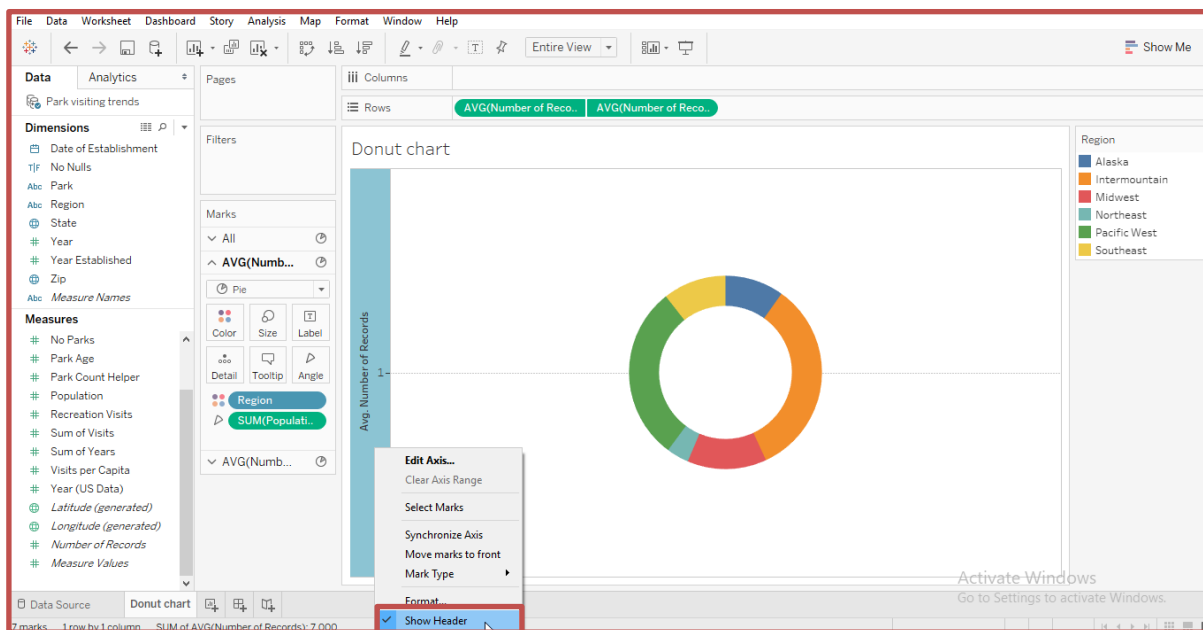


Step 13: Edit the color to white from the marks shelf.

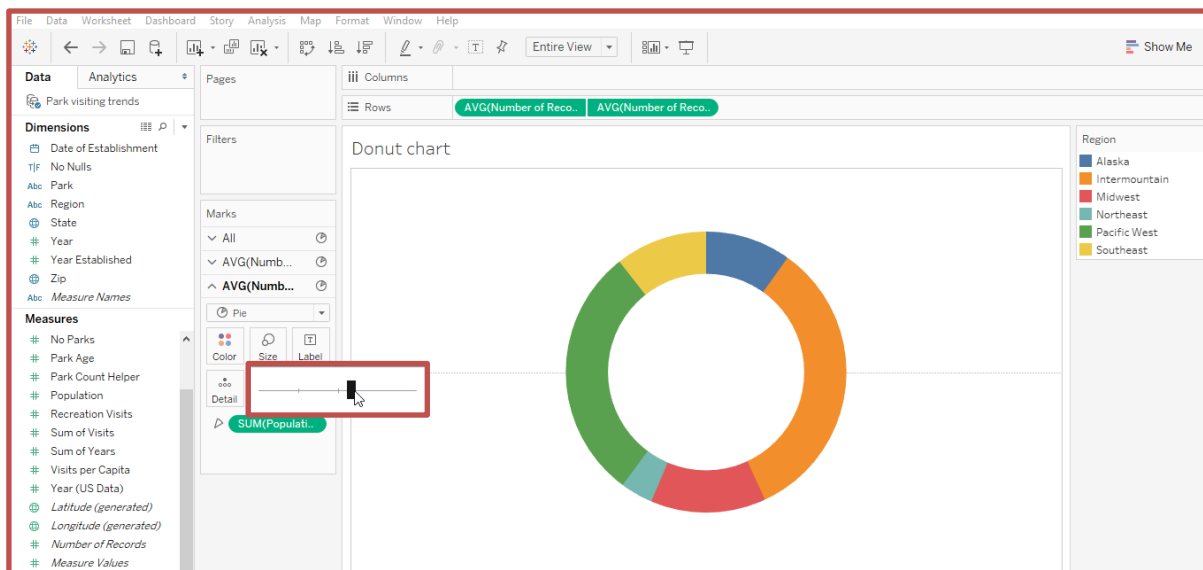


Step 14: Remove the headers from the view.

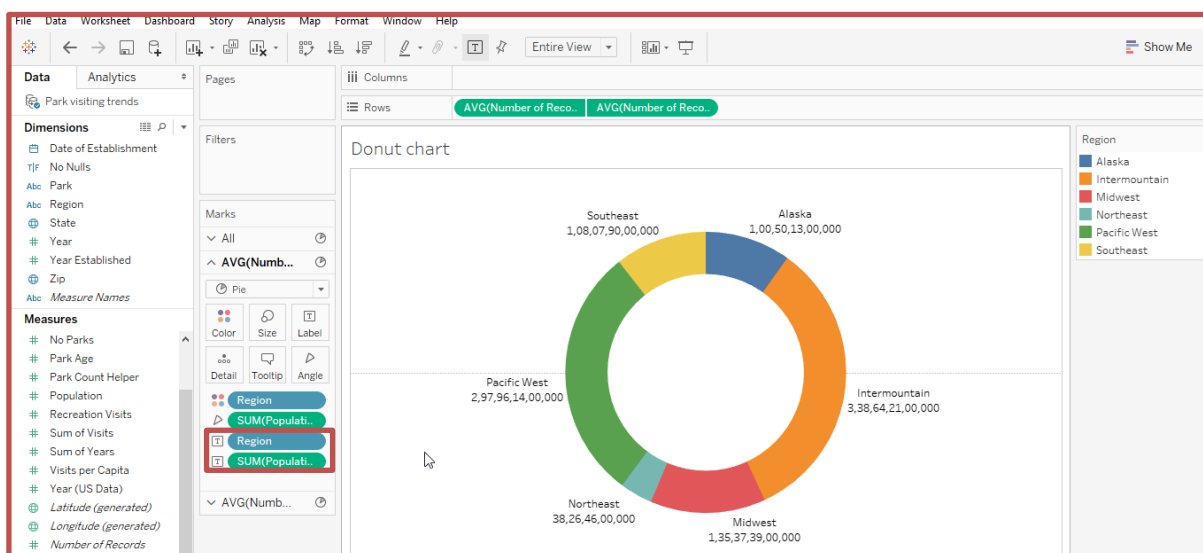
To remove headers right click on axis and uncheck show header.



Step 15: After removing the header, increase the chart size.

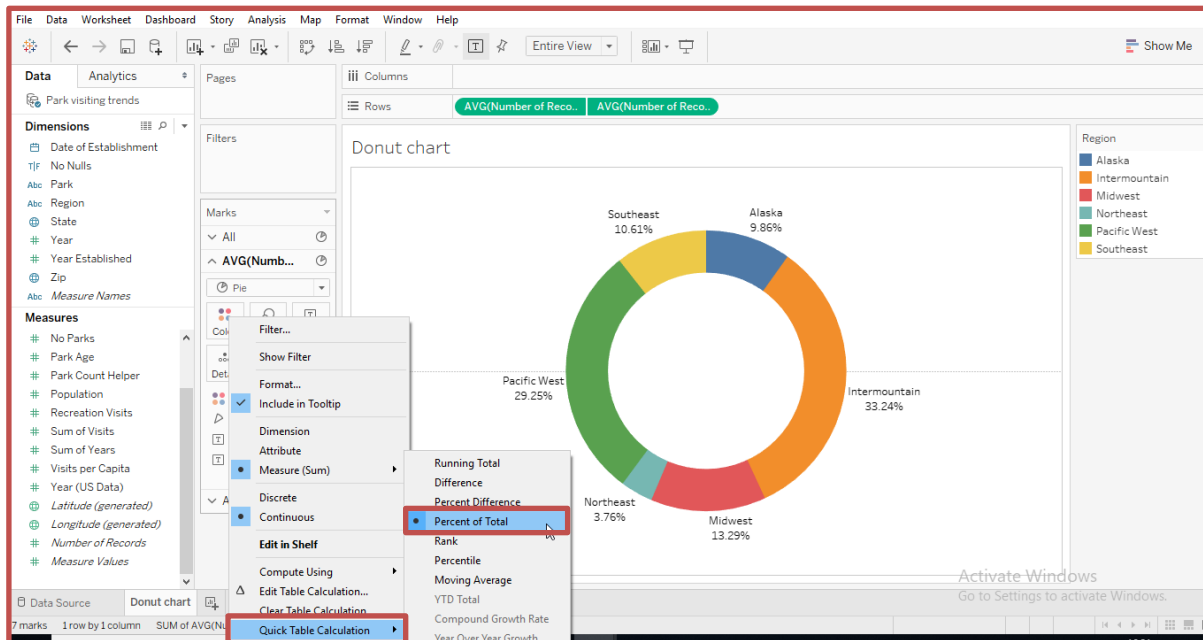


Step 16: Add region and population to label of number of records (first).

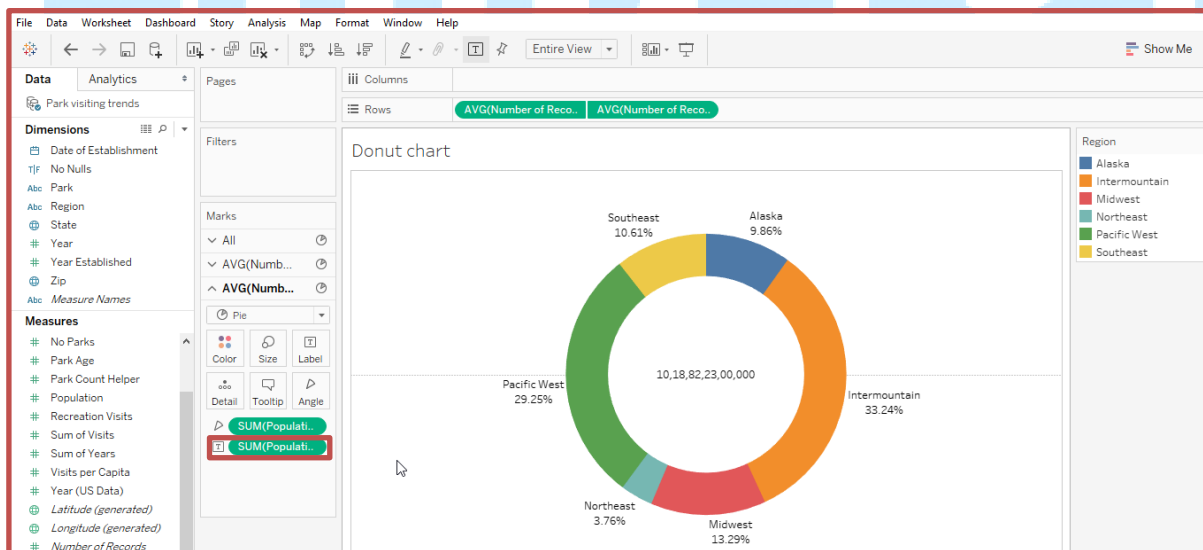


Step 17: Add a table calculation of percent of total to find out contribution of individual region.

To add quick table calculation, right click on population in the marks shelf and click on quick table calculation, and select percent of total.



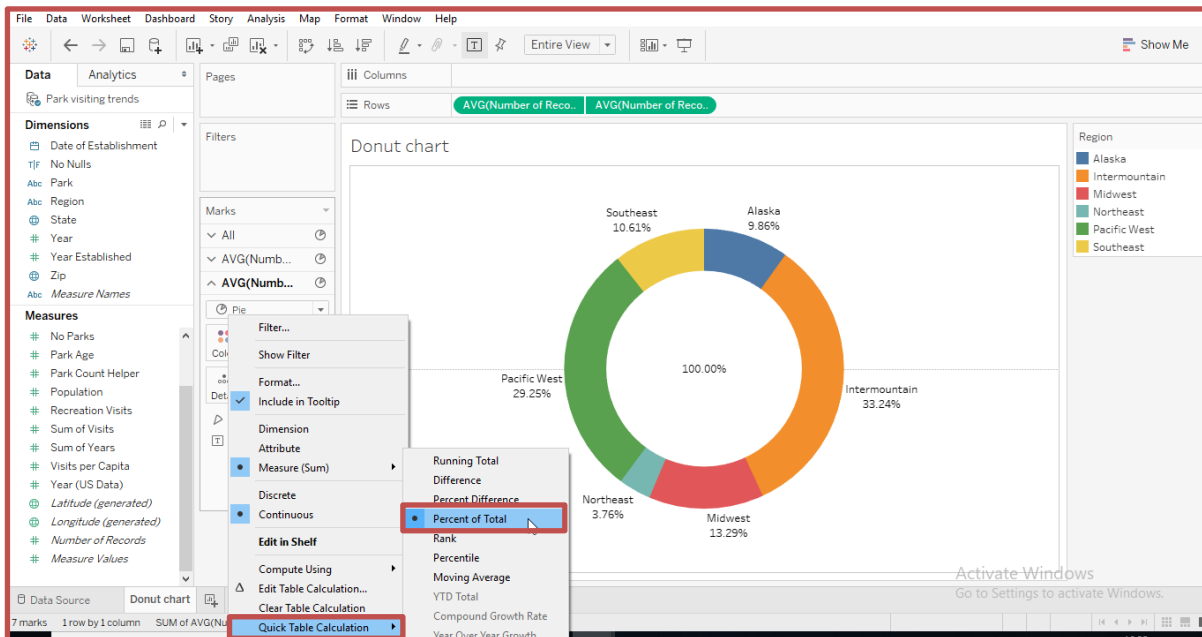
Step 18: Add population to label pane of marks shelf of number of records (second)



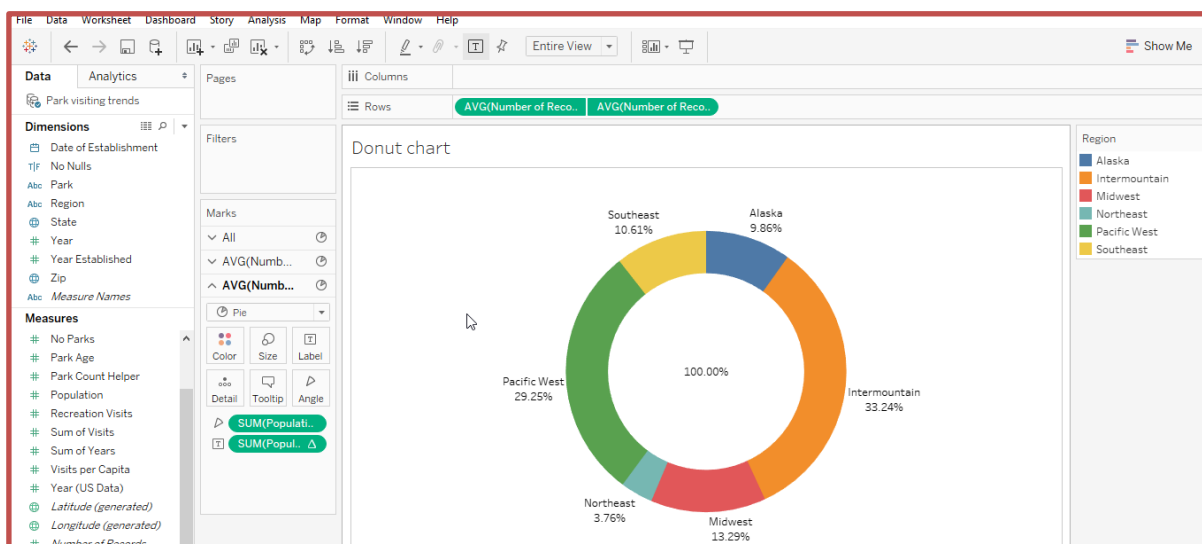
Step 19: Add a table calculation of percent of total.

To add quick table calculation right click on population in the marks shelf and click on quick table calculation, and select percent of total.

Module 8: Advance Chart in Tableau



Now, we have the required visualization of donut chart.



We can observe that intermountain possesses highest population whereas northeast possesses the least population trend for visitation trend.