

Module 6: Level of Detail (LOD) Expression in Tableau

Demo Document - II

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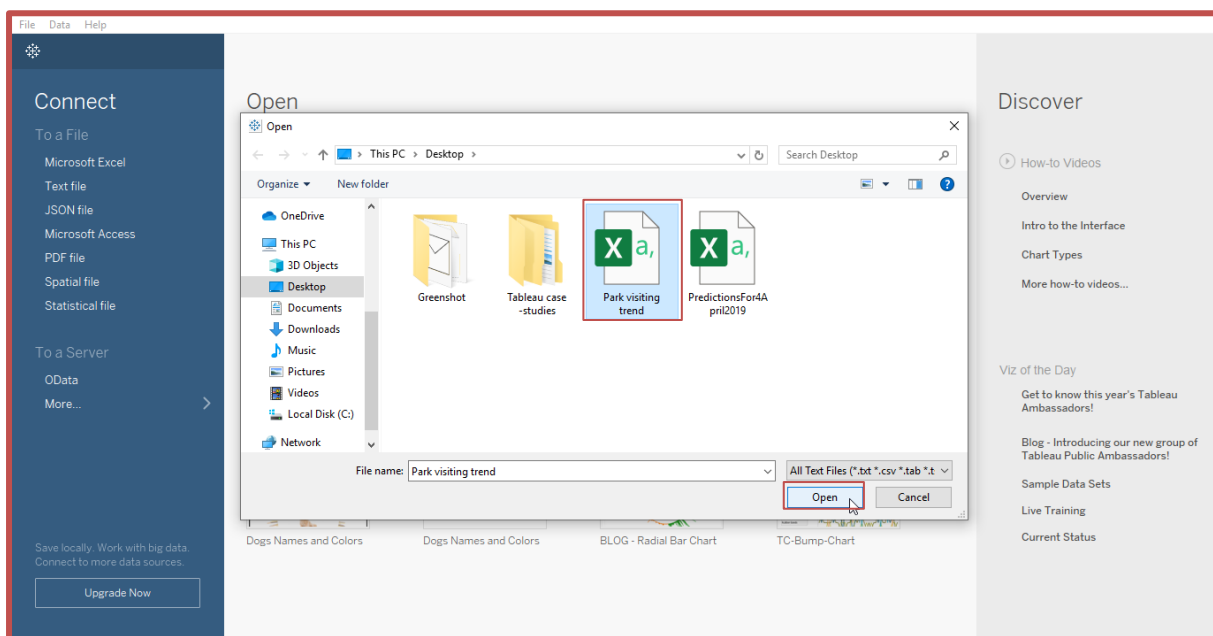
Demo II

Using “Park Visiting Trends.csv” dataset, create a report to visualize the percentage contributed to total country’s visiting trend by each city by filtering on regions of user choice.

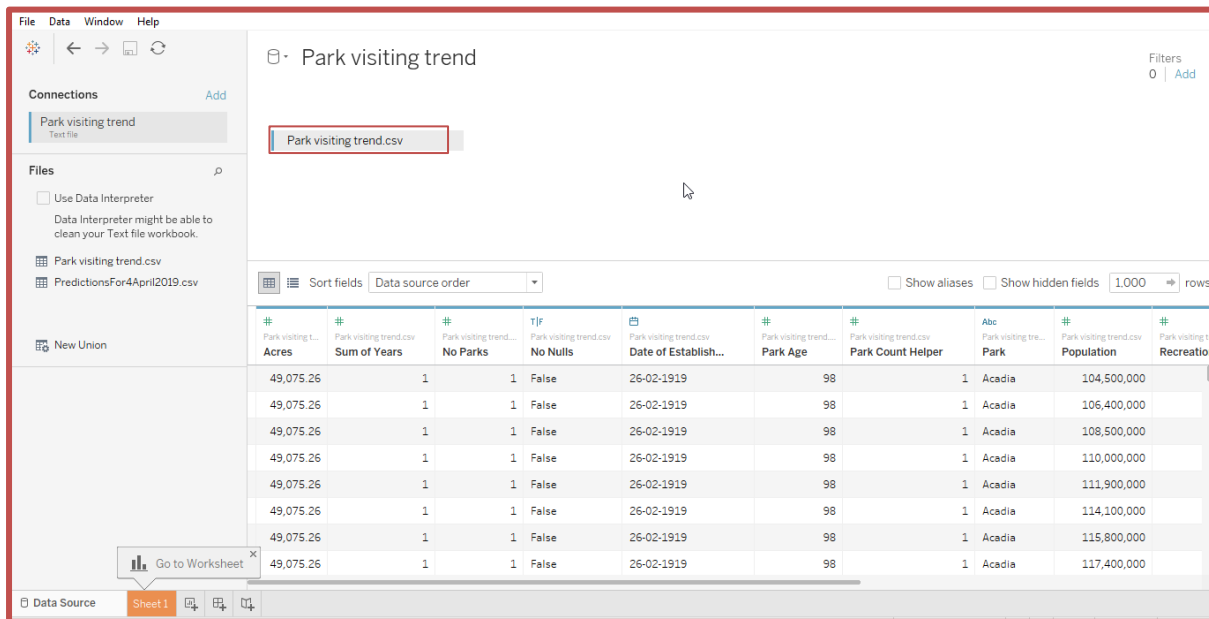
Demo II Solution

If a region is filtered without LOD expressions, the percentage of the total is recalculated, and each state contributes to its region. We can filter an area and still evaluate the country contribution with a straightforward LOD expression.

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



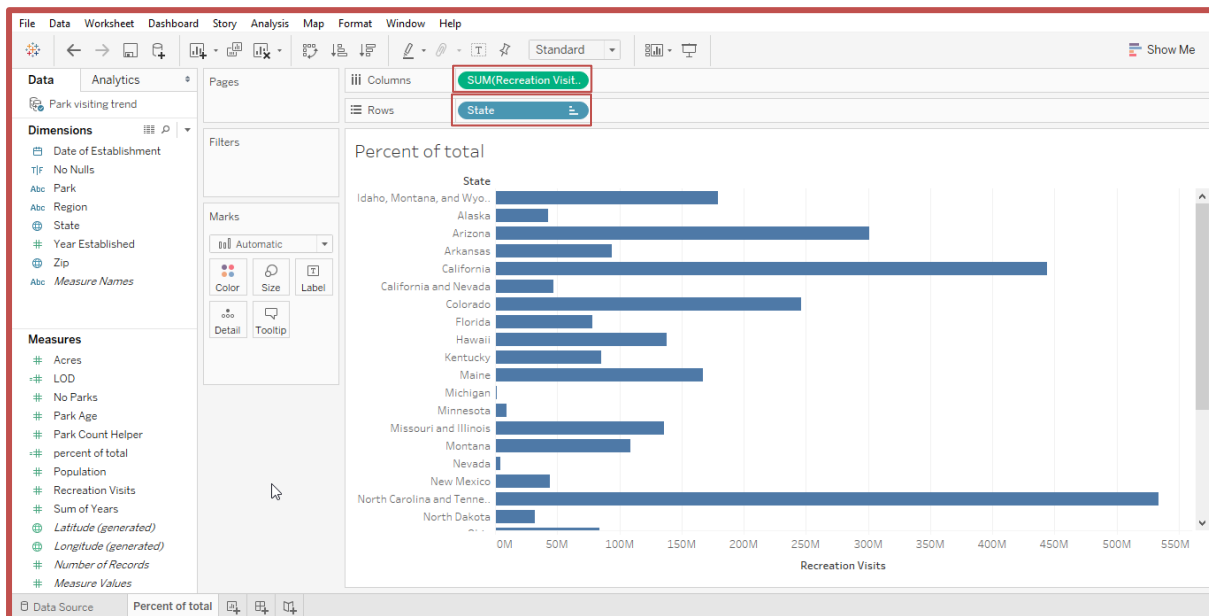
Step 2: Drag and drop the sheets that is “Park visiting trend” sheet on flow pane, Click on sheet.



Go to sheet and rename the sheet to “Percent of total”

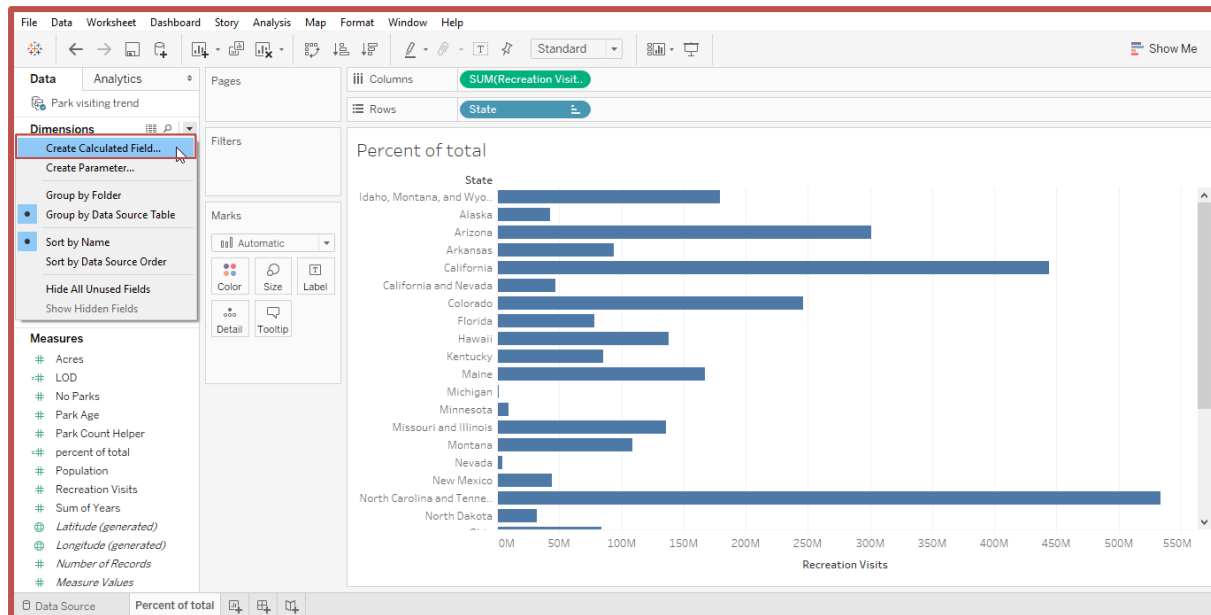
Step 3: Drag and drop the required fields from dimensions and measures to column and row shelf.

- Recreation visits to columns
- State to rows

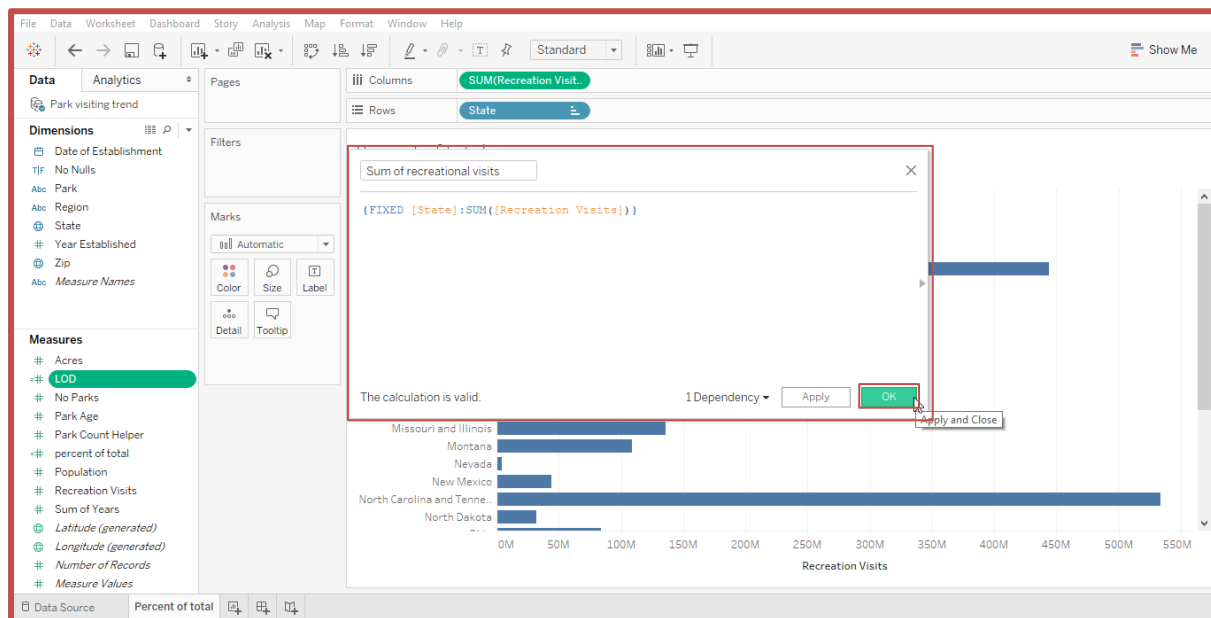


Use fixed LOD, to create a calculated field that returns each state visits divided by sum of all states visited.

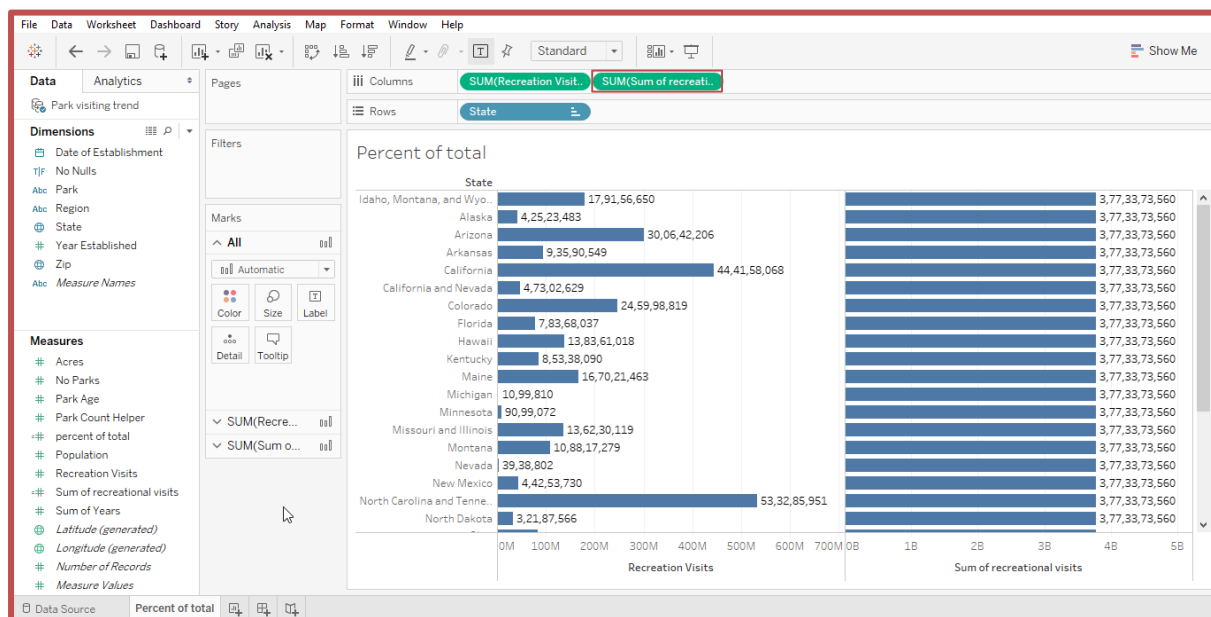
Step 4: To create the calculated field, click on drop down on top right next to dimensions and select create calculated field.



Name the field as sum of Recreational visits. Add the following calculation and click ok.

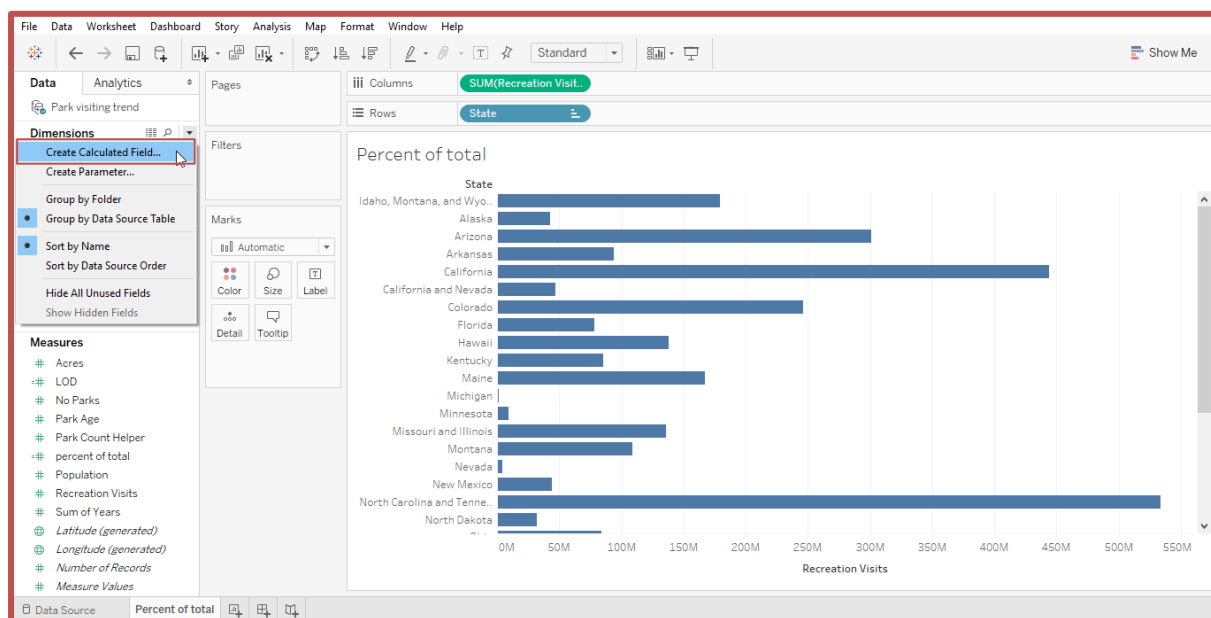


Step 5: Add “sum of recreational visits” to Columns (it evaluates the sum of visits before applying the filter on regions).

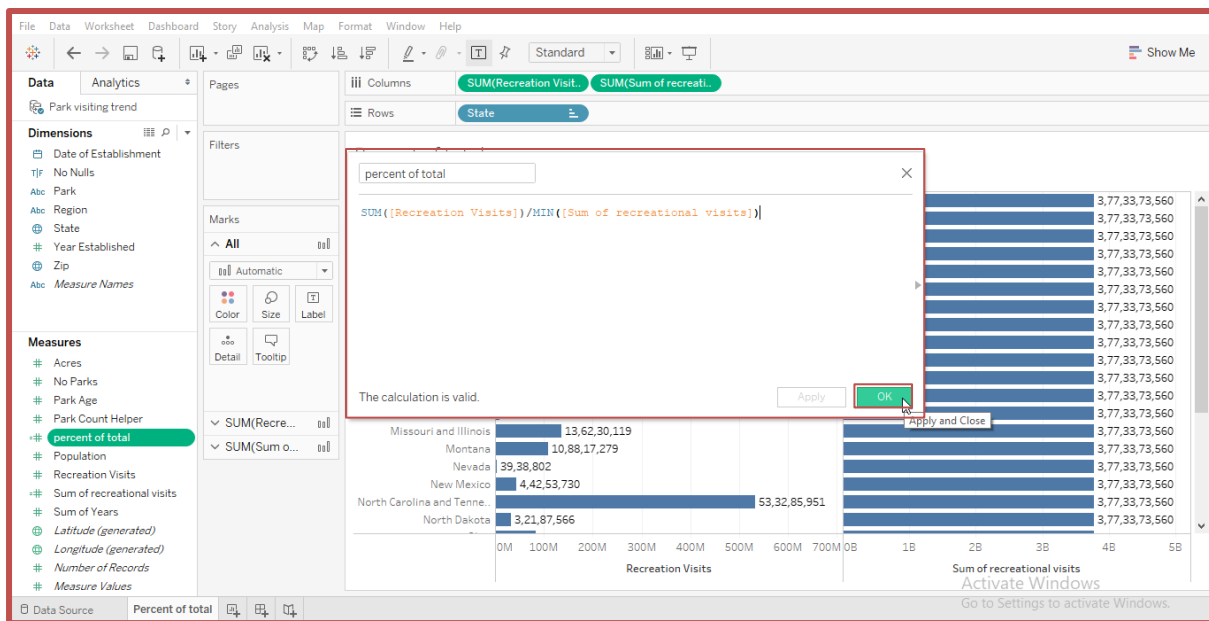


As the result is reflected at the row level, we need to find the ‘percent of total’ hence, divide the “recreational visits” with minimum of “sum of recreational visits”.

Step 6: To create the calculated field, click on drop down on top right next to dimensions and select create calculated field.

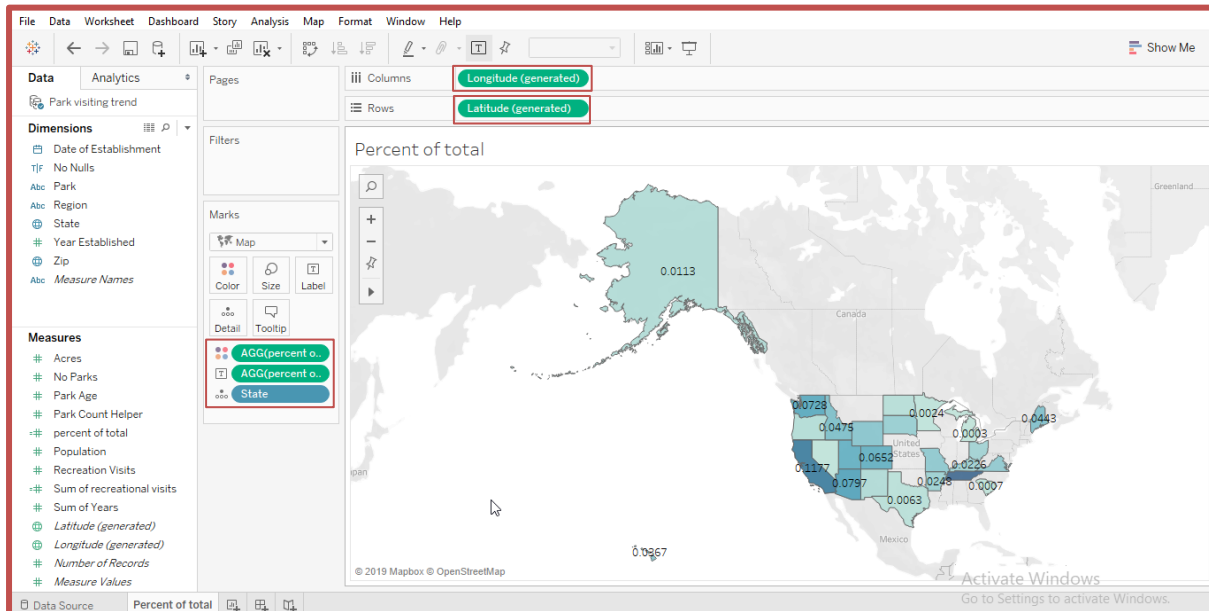


Name the field as “percent of total”. Add the following calculation and click ok.

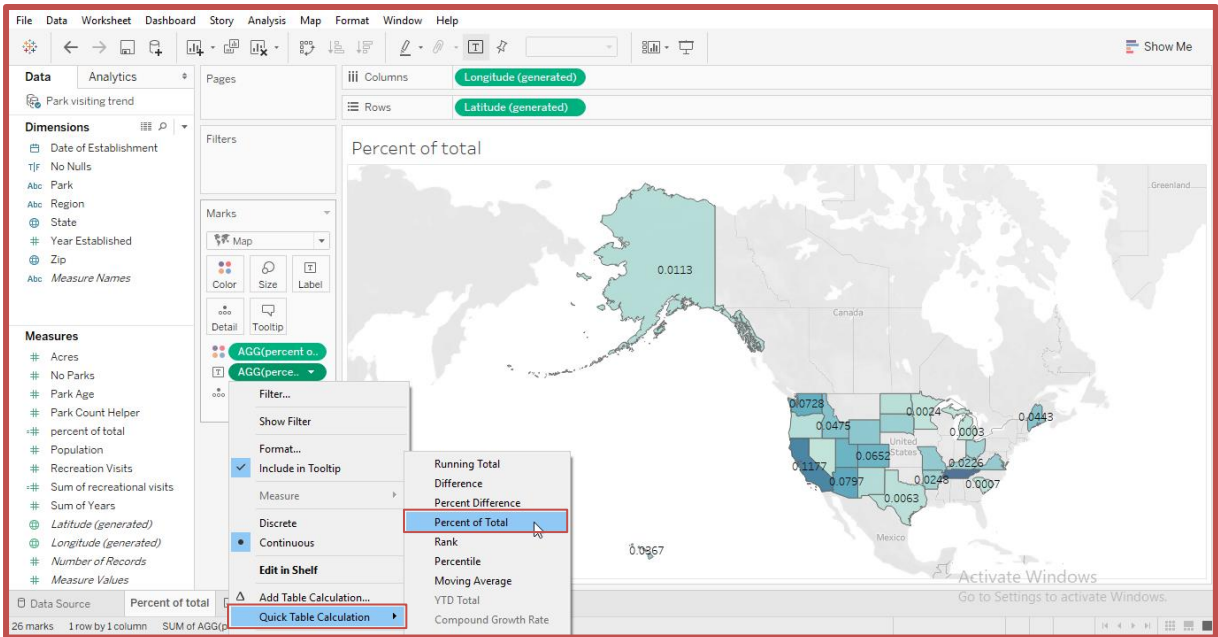


Step 7: Open a new sheet and drag and drop the required dimensions and measure to the view.

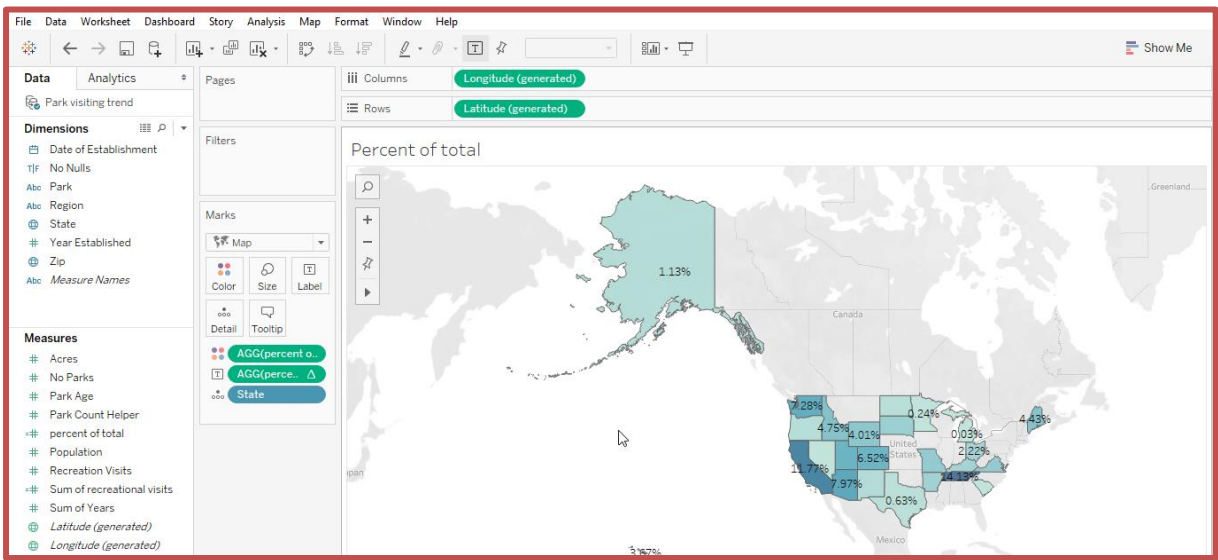
- State to detail
- Percent of total to color and label.



Step 8: Add quick table calculation to percent of total to view the percentage.



You can now find the 'percent of total' of each state.



Step 9: Add Region to Quick Filter to switch between the regions, to find percent of total visitation of states in the region respectively.

