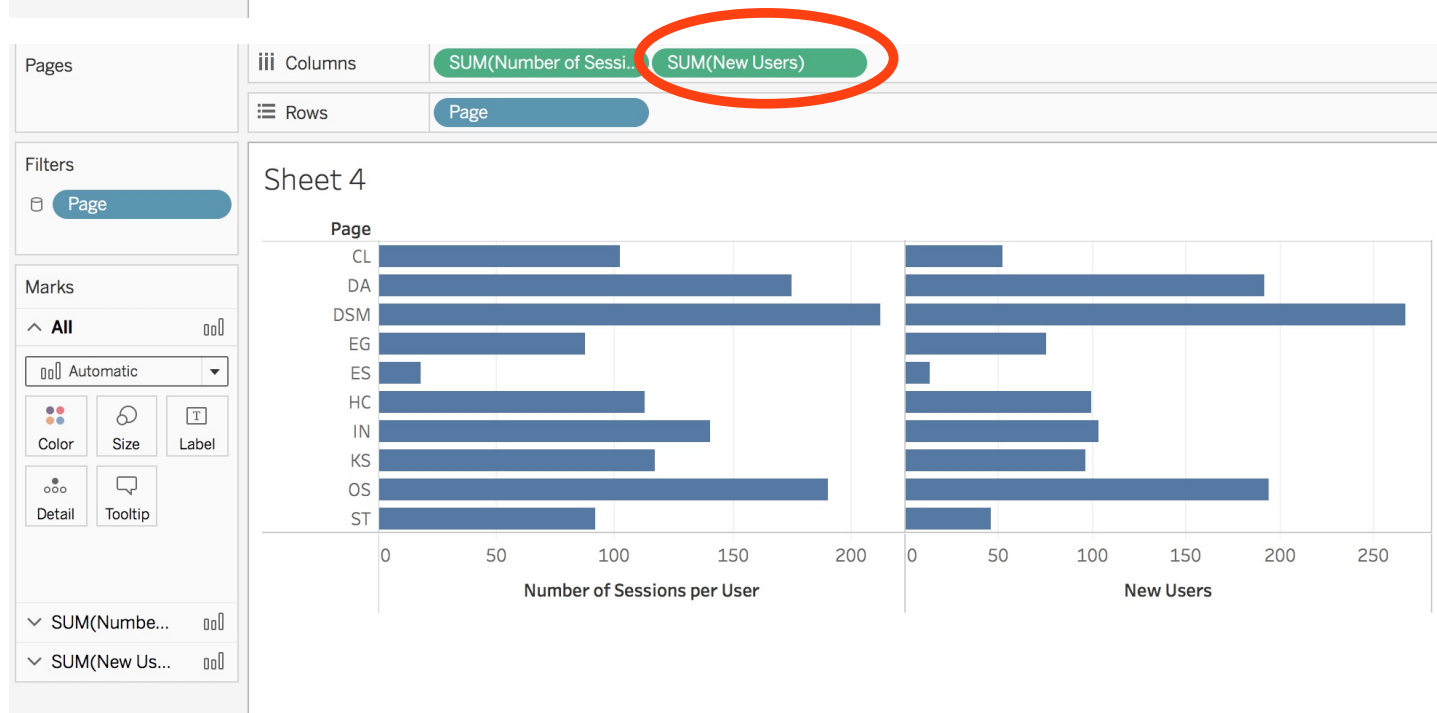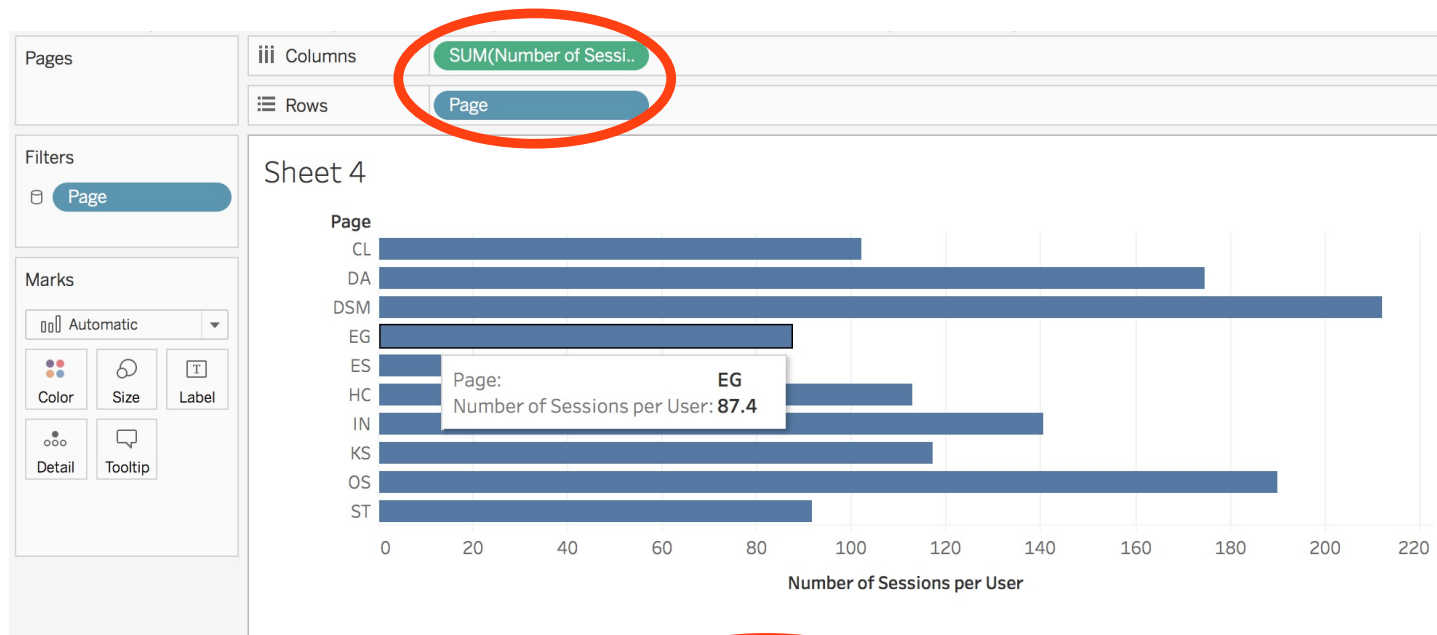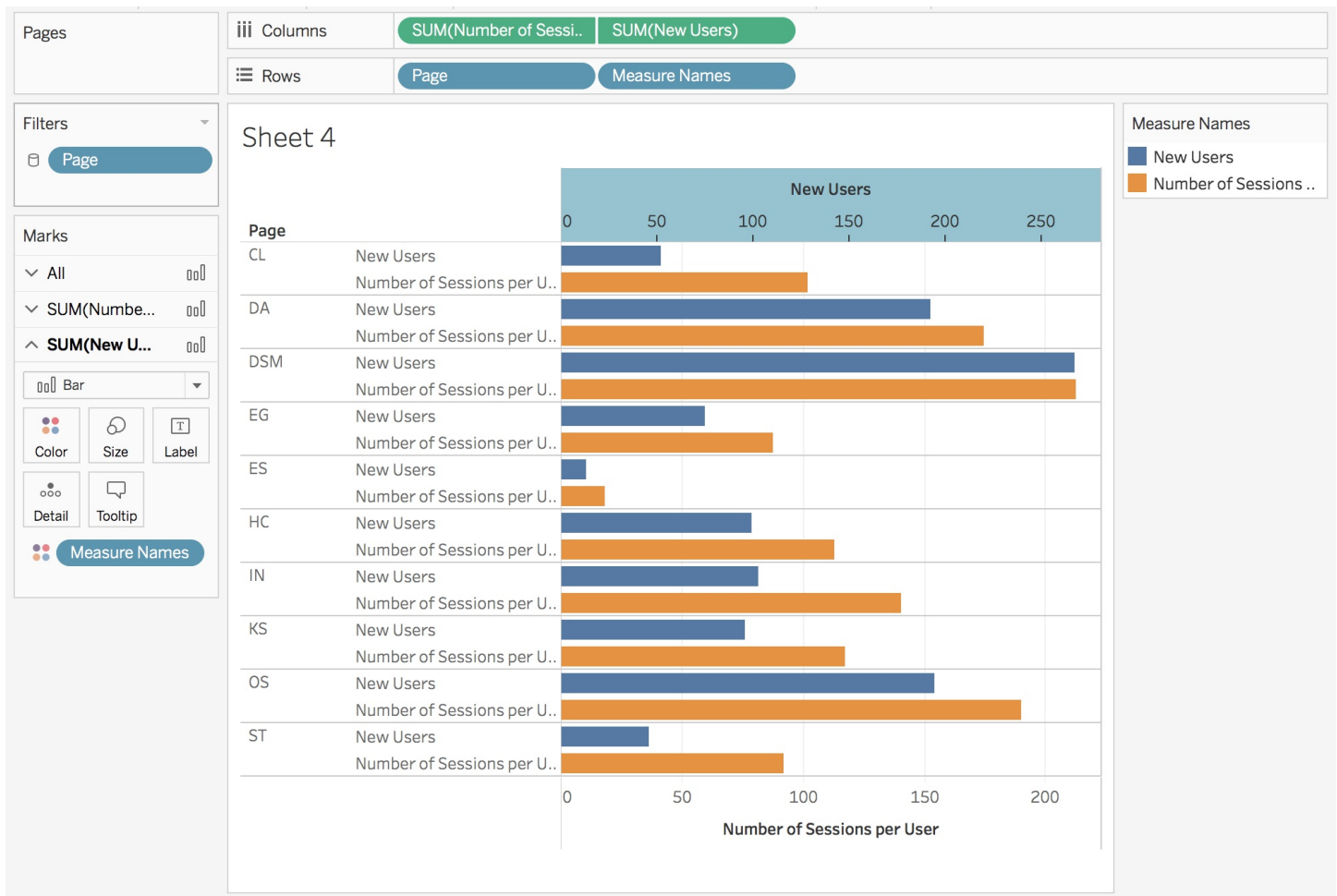# Creating a Horizontal Bar Chart with Dual Axis

Imagine you have two metrics and want to compare these in a single viz side-by-side. You've chosen to use a horzizontal bar chart and now want to compare the two metrics within each category. The following will walk you through a few simple steps to achieve this.

Let's start with a horizontal bar chart with one metric (column) and one dimension (row). Then we drop our second metric pill into the column shelf.

By default, these will be split into two separate axes. In order to compare these two metrics within each category, we can add `Measure` names as our second pill in the rows shelf and apply a dual axis. Then we go on over the formatting card for `All` and change the viz from `Circle` to `Bar`.

Pages

Columns
SUM(Number of Sessi..) | SUM(New Users)

Rows
Page | Measure Names

Filters
- Page

Marks
- All
- SUM(Numbe...)
- SUM(New U...)

Bar

Color | Size | Label

Detail | Tooltip

Measure Names

Sheet 4

Measure Names
- New Users
- Number of Sessions ..

Page		New Users (0–250+)	Number of Sessions per User (0–200+)
CL	New Users		
	Number of Sessions per U..		
DA	New Users		
	Number of Sessions per U..		
DSM	New Users		
	Number of Sessions per U..		
EG	New Users		
	Number of Sessions per U..		
ES	New Users		
	Number of Sessions per U..		
HC	New Users		
	Number of Sessions per U..		
IN	New Users		
	Number of Sessions per U..		
KS	New Users		
	Number of Sessions per U..		
OS	New Users		
	Number of Sessions per U..		
ST	New Users		
	Number of Sessions per U..		

This looks a lot better, we can now easily compare the two metrics wihtin each category. Final formatting can be applied at this point, such as coloring and sorting. The `pivot` operator could be applied to obtain a vertical bar chart with direct metric comparison.