

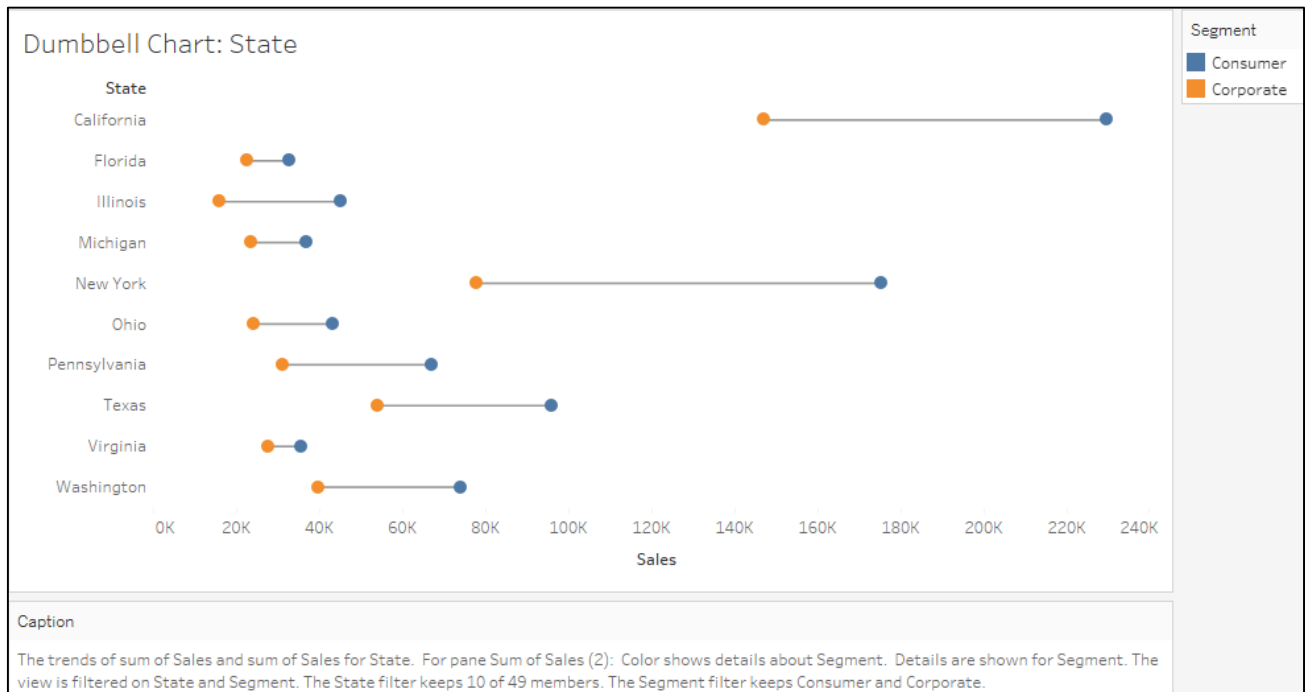


# DUMBBELL CHART

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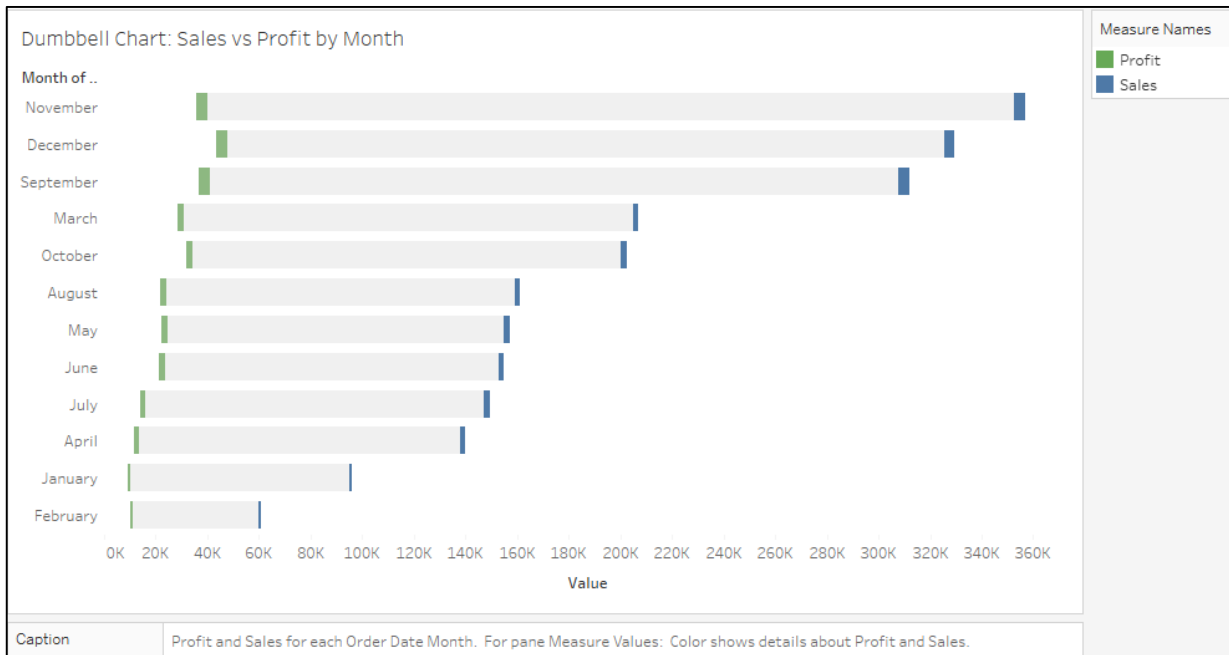
A dumbbell chart compares values of measure(s). It's an alternative visualization that illustrates the change between two data points. In a horizontal direction, dumbbell charts look similar to weights, and also referred as DNA chart, or barbell chart.

*Sample DNA Chart created in Tableau.*



Dumbbell charts are combination of two charts that share the same axis. Data is plotted using line and circle. In the above figure, circles represent a range of values between the data points and line is connecting those two data points. This shows size of the gap between them, and can aid perception of differences. In Tableau, this chart can be created using dual-axis method.

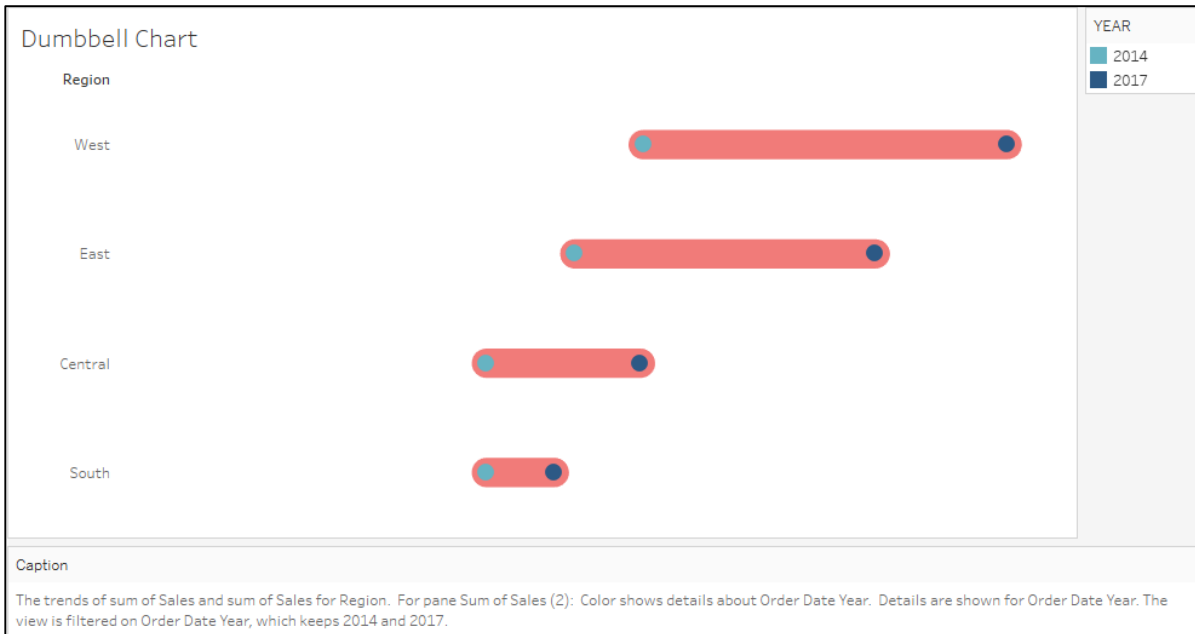
*Here is another example of a Dumbbell Chart.*



### Applications:

- When you are interested in deviations in the general trend.
- When you want to display how each category's difference relative to the company compares to the other categories.
- When you have data about a specific groups and want to display the specific numbers associated with multiple groups.

Here is another example of a Dumbbell chart.



References:

<https://www.tableau.com/about/blog/2016/10/how-make-dumbbell-charts-tableau-60319>

<http://www.thedataschool.co.uk/ben-davis/making-barbell-plots-tableau/>

<https://learningtableaublog.wordpress.com/2016/07/09/dna-charts/>