

TABLEAU

Day 9

Line charts:

Line charts are a great way to analyze data.

Two reasons why they are true:

- People know how line charts work. They are easy to understand and are familiar to most people.
- Line charts are great for showing how things change over time.

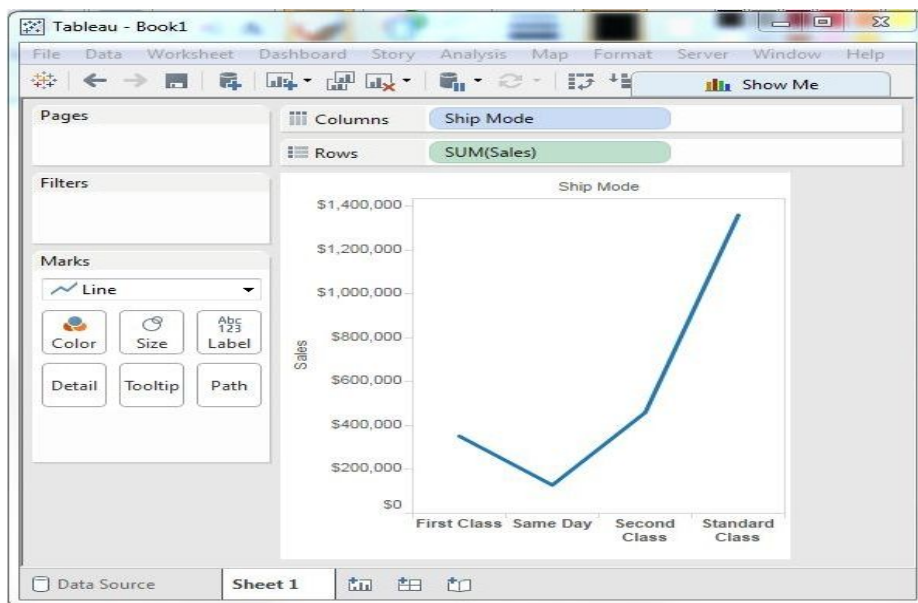
There are different types of line charts:

Basic Line Chart

Steps to make a basic line chart:

1. Drag a **Dimension** field to the Columns section
2. Drag a **Measure** field to the Rows section

Note: When the dimension is of date type then the line chart is preferable.



Link to visualization: <https://imgur.com/VWoLpeR>

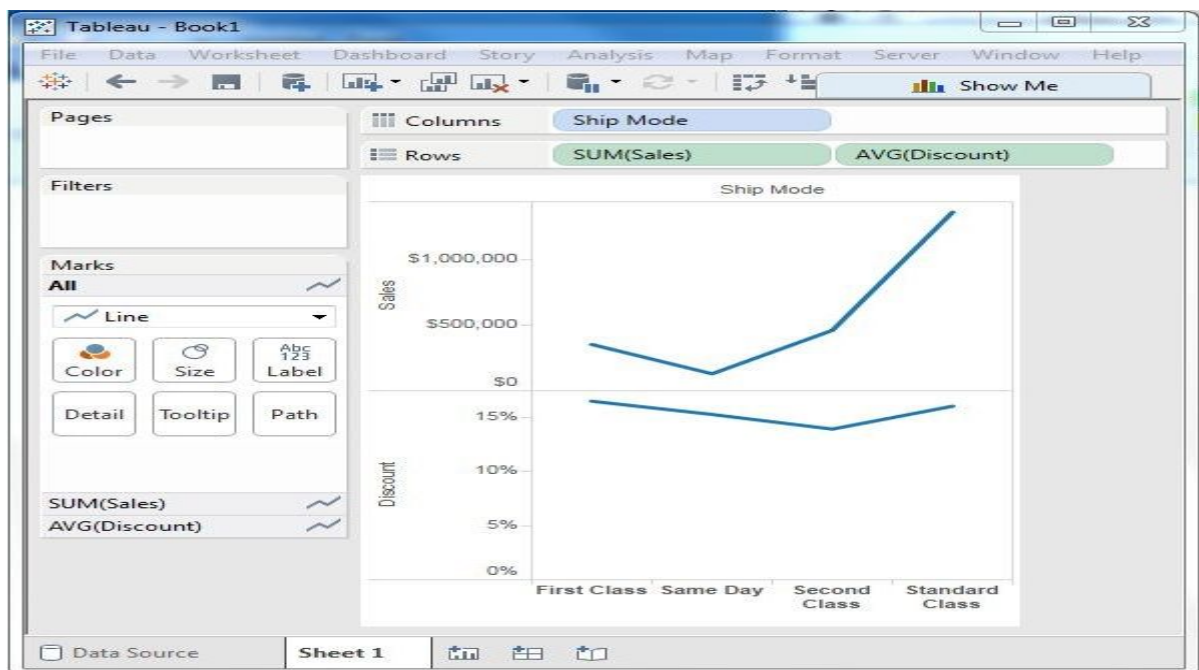
Link to the youtube video for line chart:

<https://www.youtube.com/watch?v=XNSB3COfiZU>

Line charts with Multiple Measures

Steps to make a line chart with multiple measures:

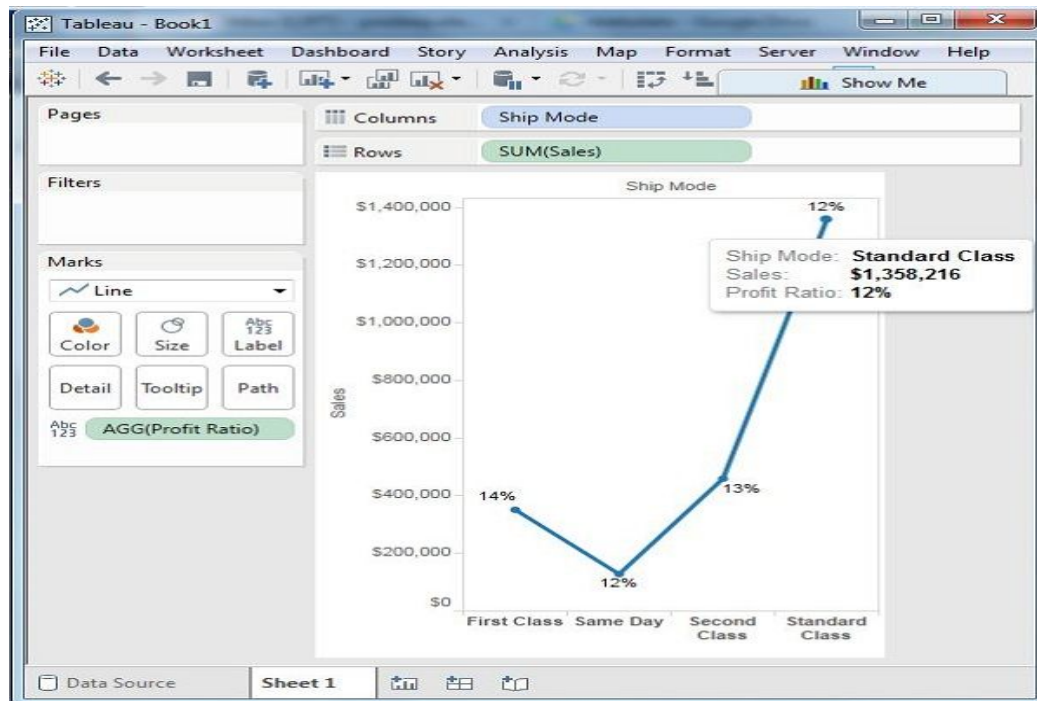
1. Drag a **Dimension** to the Columns card
2. Drag **Measure Names** to the Filters card and choose your Measures
3. Drag **Measure Values** to the Rows card
4. Drag **Measure Names** to the Colors section of the Marks card



Link to visualization: <https://imgur.com/43vJU8H>

Line Chart with Label

Each of the points making the line chart can be labeled to make the values of the measure visible. In this case, drop another measure Profit Ratio into the labels pane in the Marks card. Choose average as the aggregation and you will get the following chart showing the labels.

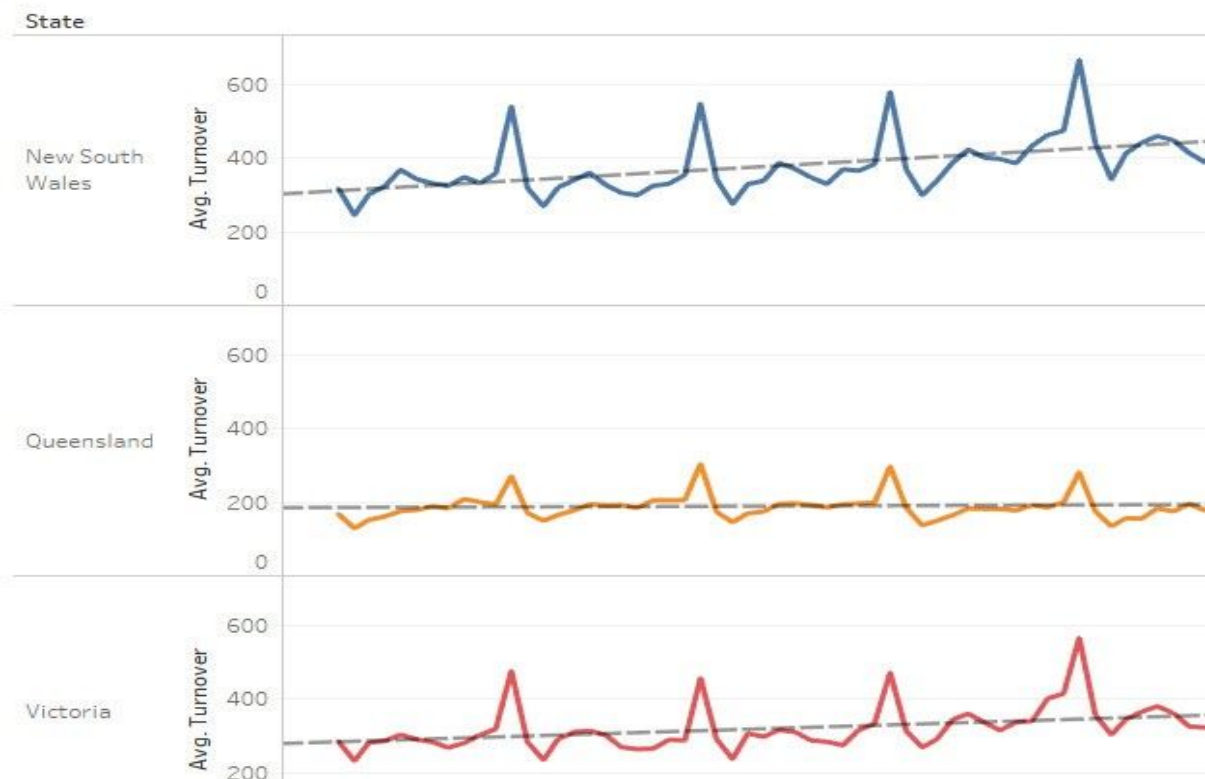


Trend Lines and Forecasting

To add trend lines and forecasting on Tableau:

1. Drag a **Dimension** to the Columns card
2. Drag **Measure Names** to the Filters card and choose your Measures
3. Drag **Measure Values** to the Rows card
4. Drag **Measure Names** to the Colors section of the Marks card
5. Click the **Analytics** tab of the Data pane
6. In the **Model** menu, drag Trend Line to your chart and select a type
7. Right-click on any **Trend Line** to view its details
8. You can add a **Forecast** to the line chart in the same way and view its details.

Sales Turnover



The link to visualization: <https://imgur.com/CD9DARr>

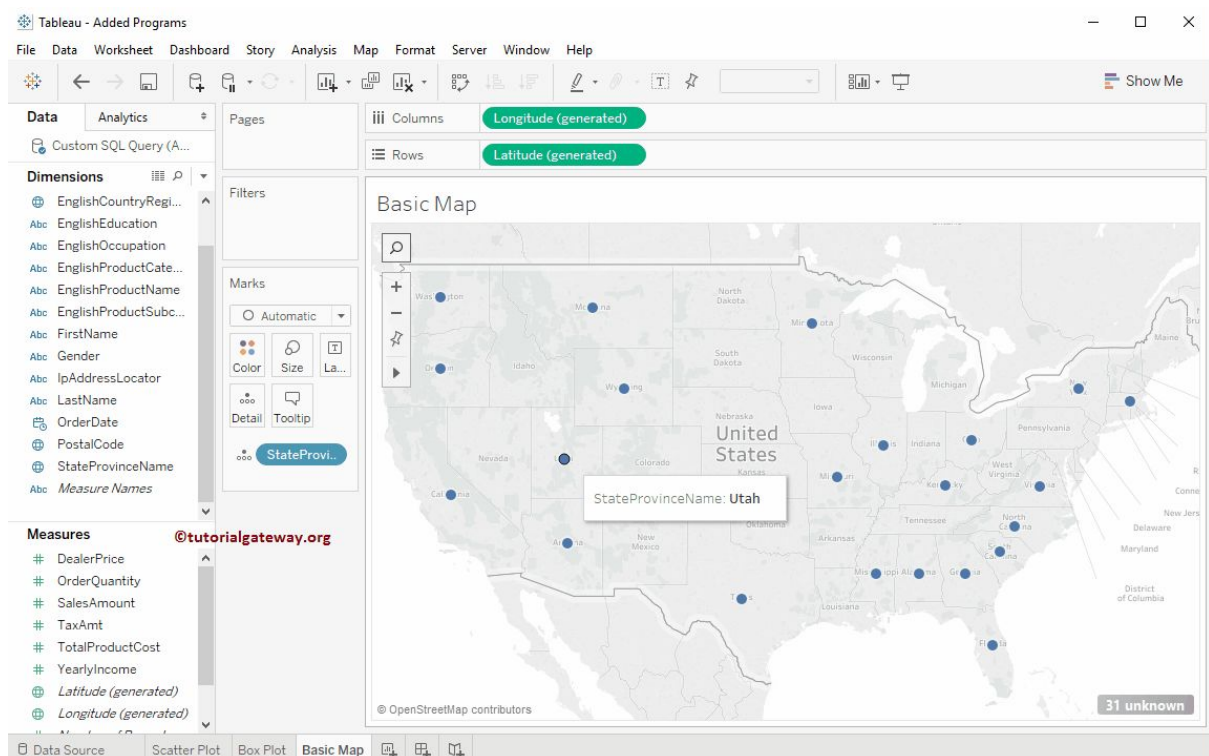
Maps in Tableau:

Tableau maps are technically scattered plots with points at the combination of each latitude-longitude pair and an image of a map in the background. This unlocks even more applications including the ability to map anything – even if it's not related to geography.

Double-click on any Geographic filed such as City, Postcode, Country, or State will automatically create a Map in Tableau. In this example, we will double-click on the State Province Name dimension

Or

Drag and drop any Geographic filed to Column, or Row shelf and selecting the Map from Show Me window will automatically create a Map in Tableau.



Youtube link to map: <https://www.youtube.com/watch?v=XonosogzcvE>

Happy learning, happy tableau!