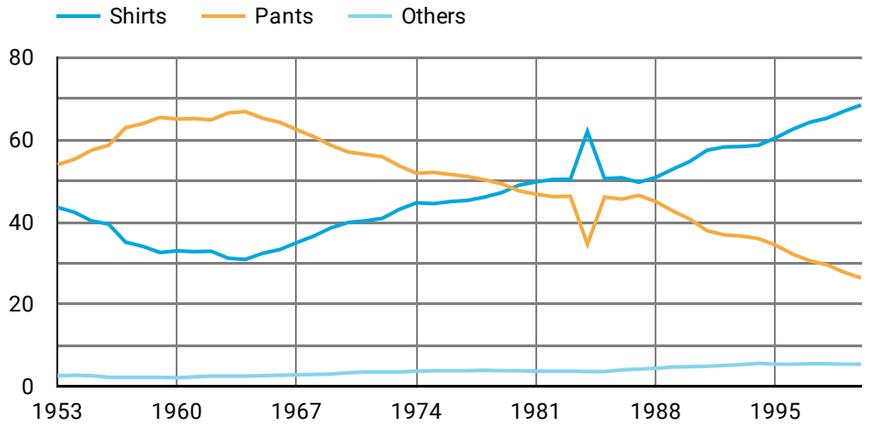
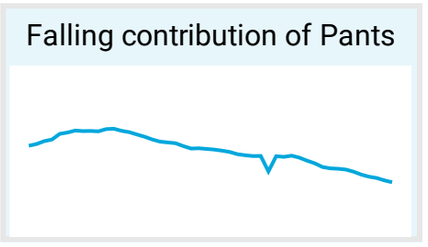
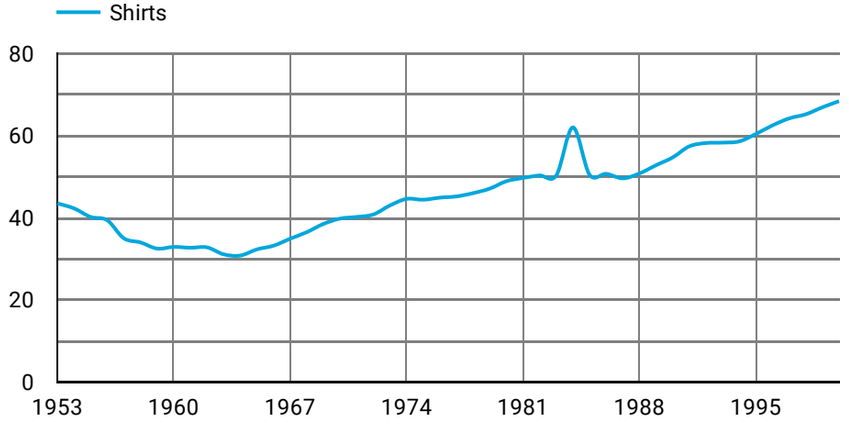
Time Series



A timeseries plot - trend of 3 metrics over years

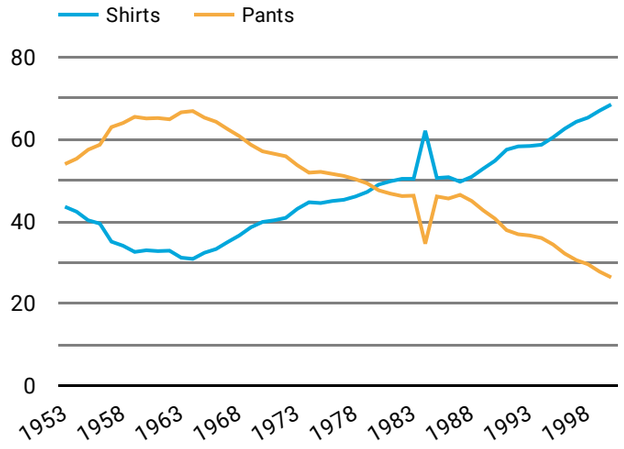


A Sparkline: To show trend in small space

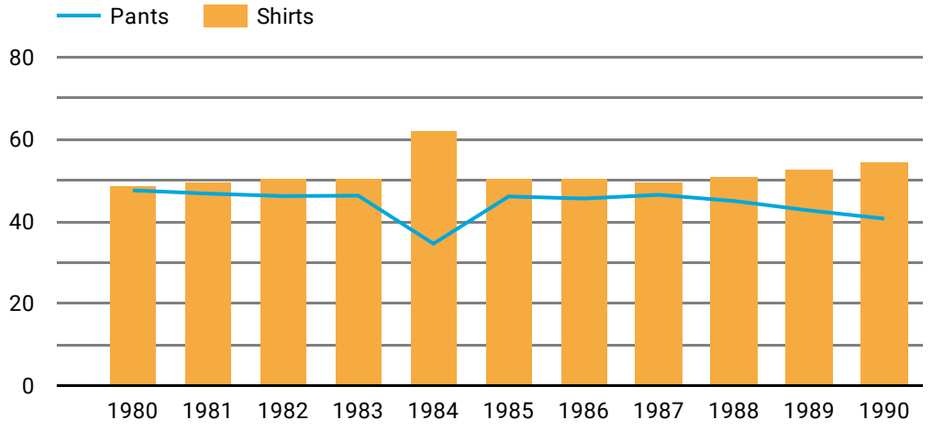


A smoothed timeseries plot

Line Charts



A Line chart.
Timeseries is a special case of line chart



A Combo Chart with applied filter

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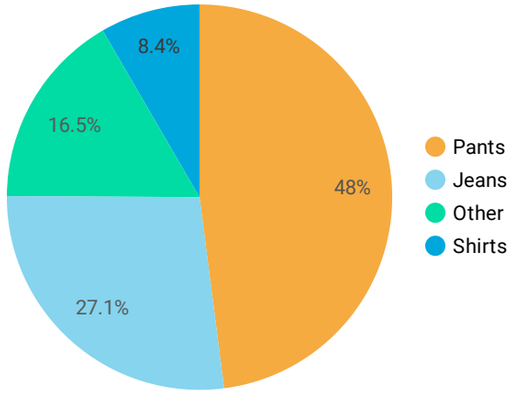
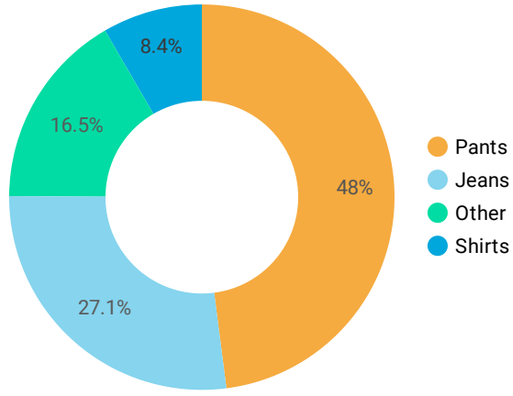
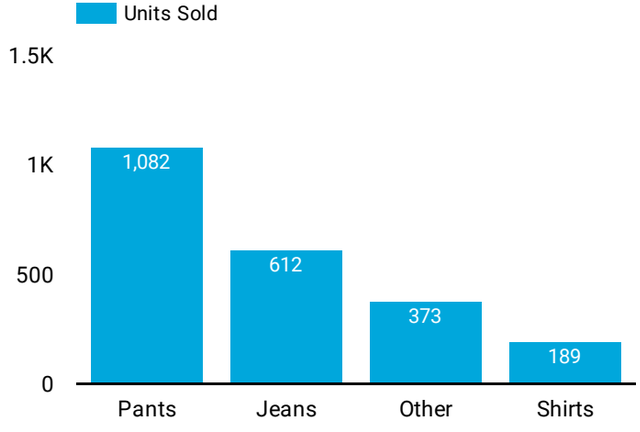
Pie Chart and Donut Chart



Pie Chart: Popular for showing contributions to total
Use with Caution

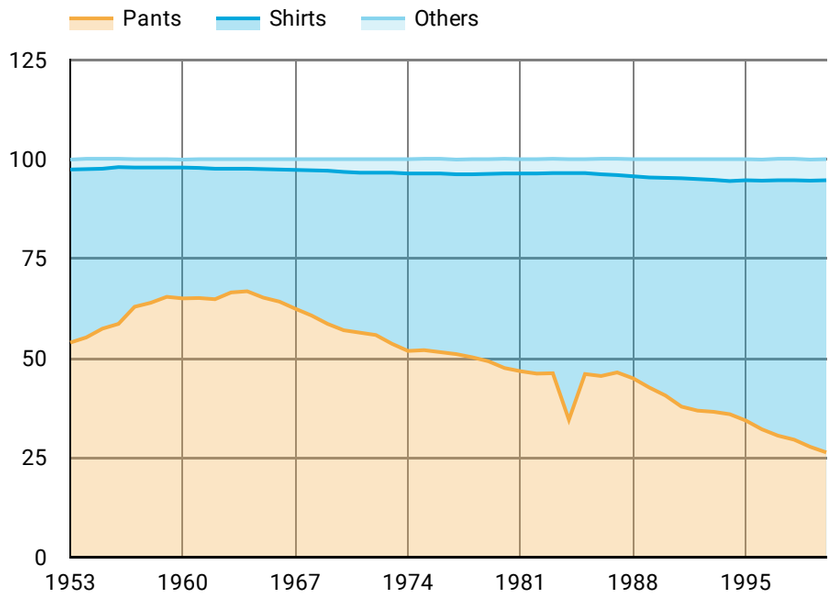


Donut Chart
I **Donut** use these charts

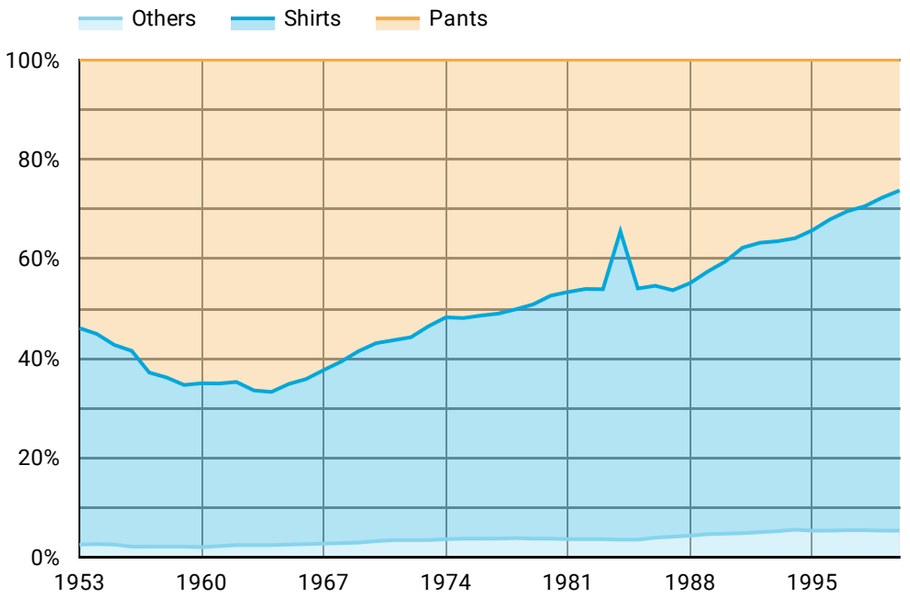


I prefer a simple bar chart to compare categories

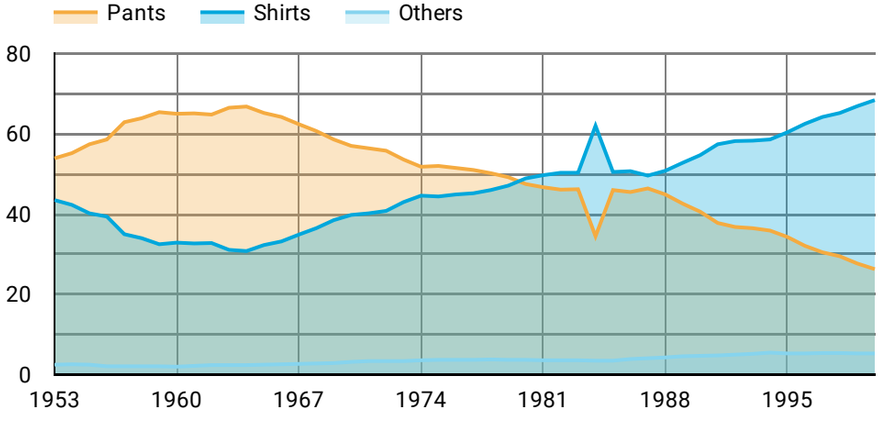
Area Chart



Stacked Area Chart

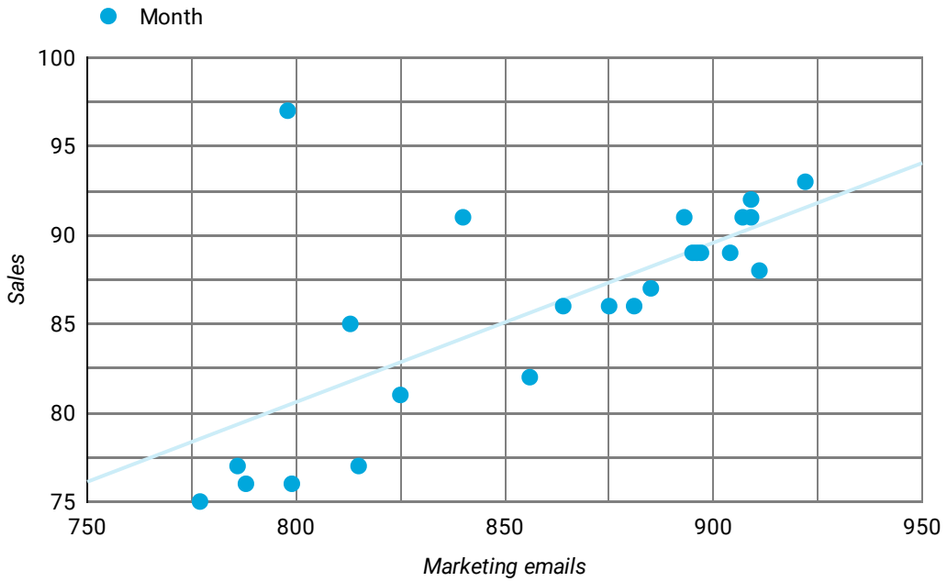


100% Stacked Area Chart

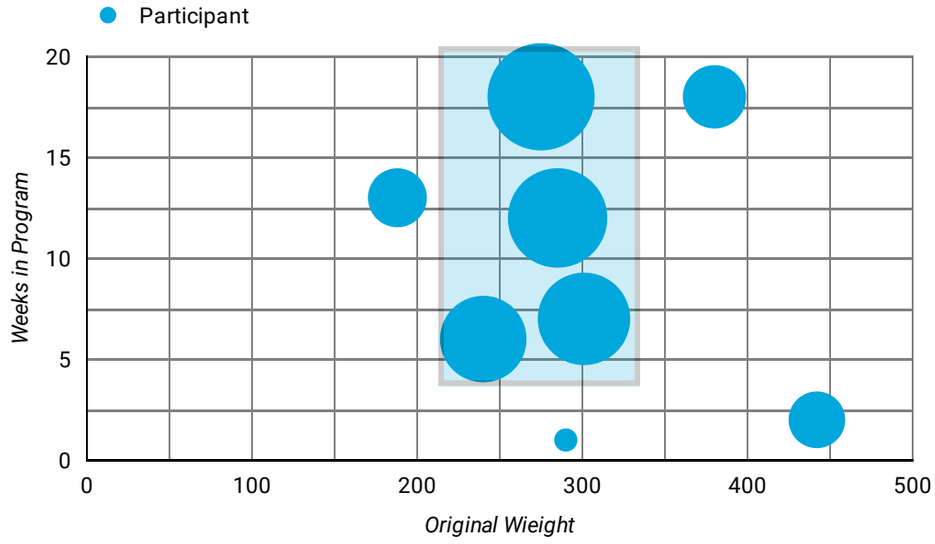


Area Chart: Should be avoided

Scatter Plot and Bubble Chart



A Scatter Chart depicting positive relation between the two variables



A Bubble Chart to find relation between three variables

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Pivot Table

Outlet_Type

	Item_Type	Item_Outlet_Sales
1.	Fruits and Vegetables	1,115,600.5
2.	Snack Foods	1,003,334.63
3.	Frozen Foods	754,887.37
4.	Household	791,093.57
5.	Dairy	578,771.95
6.	Canned	605,234.17
7.	Baking Goods	495,786.64
8.	Soft Drinks	367,701.37

1 - 16 / 16

A simple Data Table can aggregate on one dimension

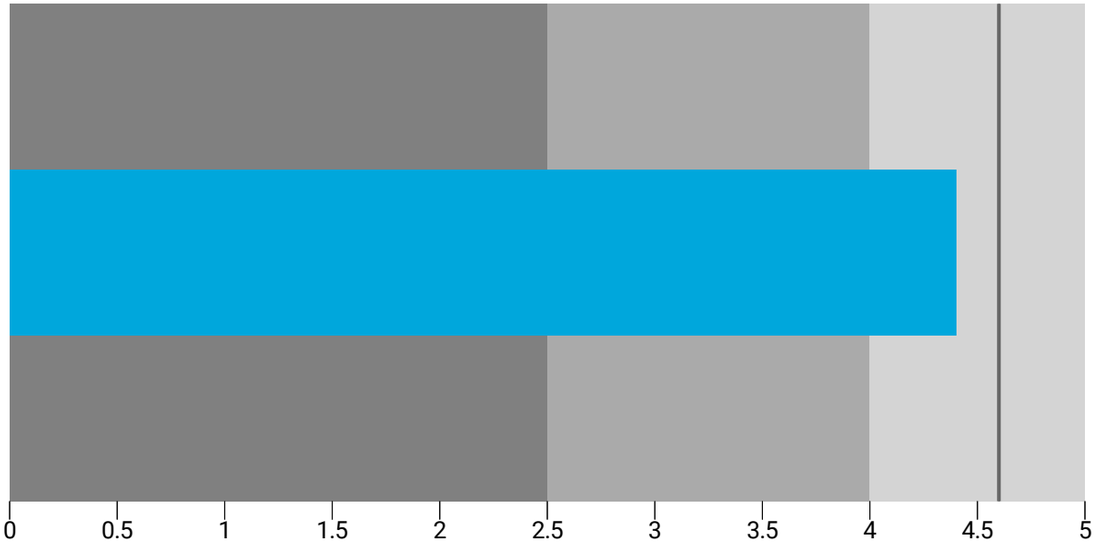
	Outlet_Location_Type / Item_Outlet_Sales			
Item_Type	Tier 1	Tier 2	Tier 3	**Grand total**
Fruits and Ve…	278,900.96	355,278.2	481,421.34	**1,115,600.5**
Snack Foods	254,719.1	330,353.98	418,261.55	**1,003,334.63**
Household	206,497.87	318,269.71	266,325.99	**791,093.57**
Frozen Foods	207,825.48	273,499.99	273,561.91	**754,887.37**
Canned	111,659.99	254,053.3	239,520.88	**605,234.17**
Dairy	138,272.68	222,513.02	217,986.25	**578,771.95**
Baking Goods	120,835.38	170,896.21	204,055.05	**495,786.64**
Meat	98,889.94	122,997.89	155,657.38	**377,545.22**

With Pivot Tables, you can cross-tabulate between two dimensions

Bullet Chart

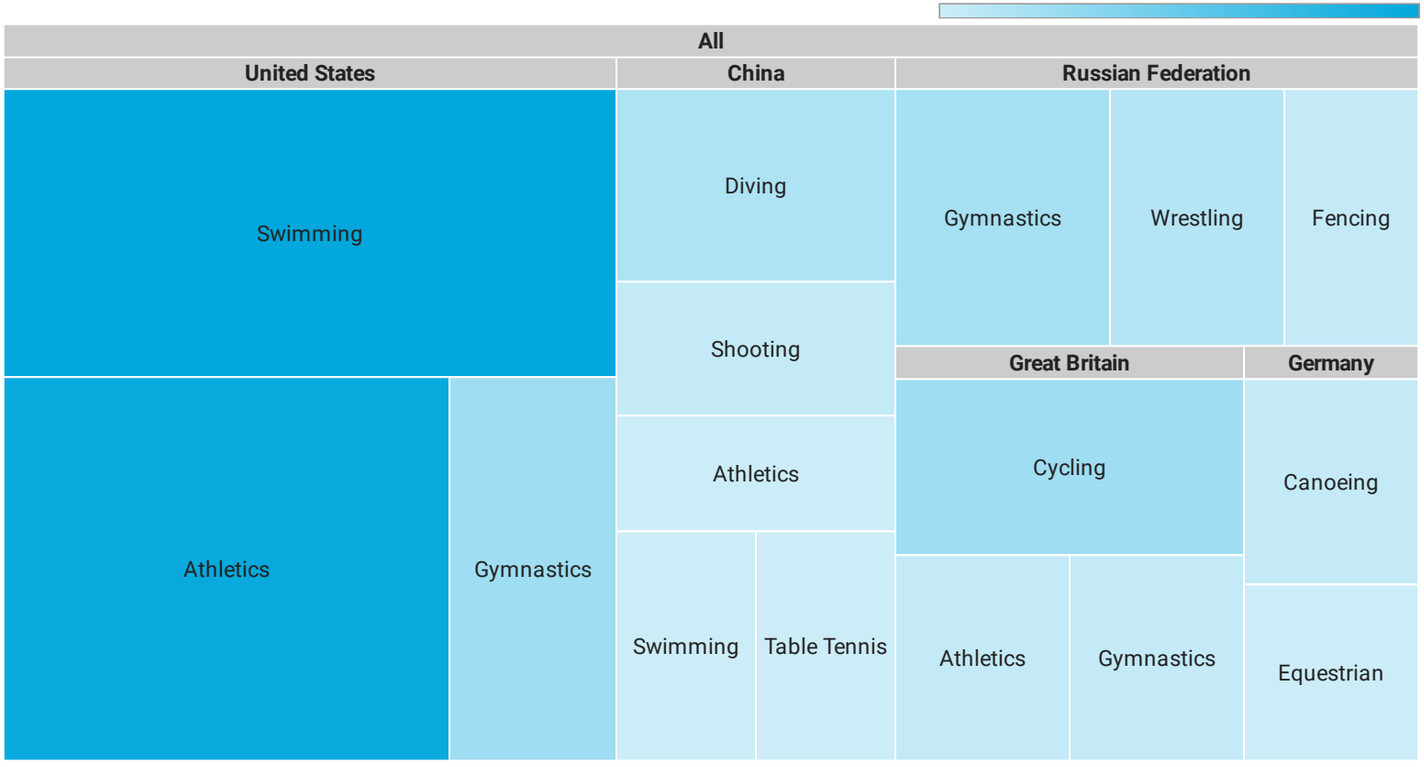
A Bullet chart can show the following information in one chart:

1. The **range** of the metric (Eg. Course ratings vary between 0 to 5)
2. The **target** value we want to achieve (we want to get 4.6 rating)
3. The **current value** of the metric (let's say, we have a rating of 4.4)
4. **Three regions** marking what is bad, OK and Good. (we have set 2.5 and 4 as thresholds)



Bullet Chart showing that current rating of 4.4 falls in the "Good" region. Target value is 4.6

Tree Map



A Tree map: highlights important categories by giving them more space and darker shade of color

Blended Fields