Spreadsheet

Class Six

Lab 26

Lab Objectives:

● Charts

How to Make a Chart in Google Spreadsheet

Let's get back to analyzing our data on sales of chocolate in various regions to different customers. To visualize the analysis, we'll use charts.

The original table looks like this:

	A	B	C	D	E	F	G
1	Date	Customer	City	Region	Product	Quantity	Total Sales
2	20.01.2016	Orange	Big Town	West	Milk Chocolate	125	225
3	20.01.2016	Red	Big Town	West	Dark Chocolate	211	443.1
4	20.01.2016	Pink	Medium Town	East	Milk Chocolate	144	259.2
5	20.01.2016	Grey	Big Town	West	Chocolate Hazelnut	21	63
6	20.01.2016	Blue	Small Town	South	Dark Chocolate	48	100.8
7	20.01.2016	Dark	Big Town	West	Chocolate Hazelnut	65	195
8	20.01.2016	White	Big Town	West	Milk Chocolate	41	73.8
9	20.01.2016	Green	Willage	South	Chocolate Hazelnut	122	366
10	20.01.2016	Yellow	Medium Town	East	Dark Chocolate	52	109.2
11	20.01.2016	Silver	Medium Town	East	Extra Dark Chocolate	41	102.5
12	20.01.2016	Gold	Medium Town	East	Chocolate Hazelnut	56	168
13	20.01.2016	Orange	Medium Town	East	Milk Chocolate	24	43.2
14	20.01.2016	Red	Medium Town	East	Extra Dark Chocolate	48	120
15	20.01.2016	Pink	Small Town	South	Milk Chocolate	21	37.8
16	20.01.2016	Grey	Small Town	South	Dark Chocolate	155	325.5

Let's calculate the sales results of particular products by months.

	A	B	C	D
1	Product	January	February	March
2	Chocolate Hazelnut	861	504	1101.5
3	Dark Chocolate	1281	652.7	1190.3
4	Extra Dark Chocolate	222.5	940	1182.5
5	Milk Chocolate	684	433.8	1425
6	Grand Total	3048.5	2530.5	4899.3

And now let's present numerical data more clearly and concisely with the help of a graph.
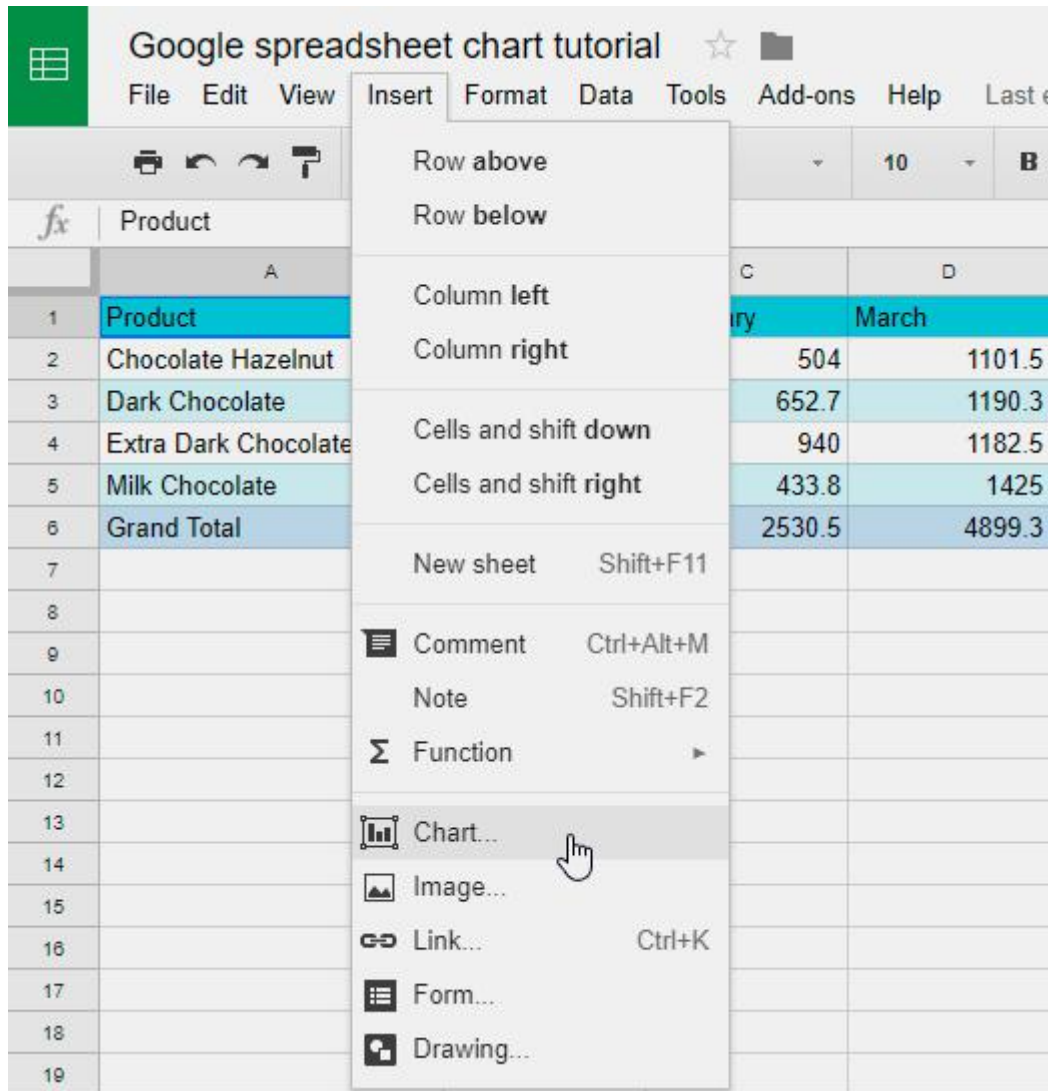
Our task is to analyze dynamics of sales using column charts and line charts. A bit later we will also discuss research of sales structure with circular diagrams.

Select a range of cells for building your chart. The range should include headers of lines and columns. The headers of lines will be used as indicator names, the headers of columns - as names of indicator values.

Besides the amounts of sales, we should also choose ranges with the types of chocolate and with the months of sales. In our example, we select the range A1:D5.

Then choose in the menu: Insert - Chart.

The chart is built, the chart editor is displayed. Google Sheets will at once offer you a chart type for your data.
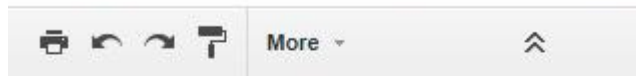
Google spreadsheet chart tutorial ☆ 📁

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Product

	A	B	
	Product	January	F
	Chocolate Hazelnut	861	
	Dark Chocolate	1281	
	Extra Dark Chocolate	222.5	
	Milk Chocolate	684	
	Grand Total	3048.5	

January, February and March

Chart editor   ×

DATA   CUSTOMIZE

Chart type
Column chart   ▾

Stacking
None   ▾

Data range
A1:D5   ▦

X-AXIS   Tᴛ Product   ⋮
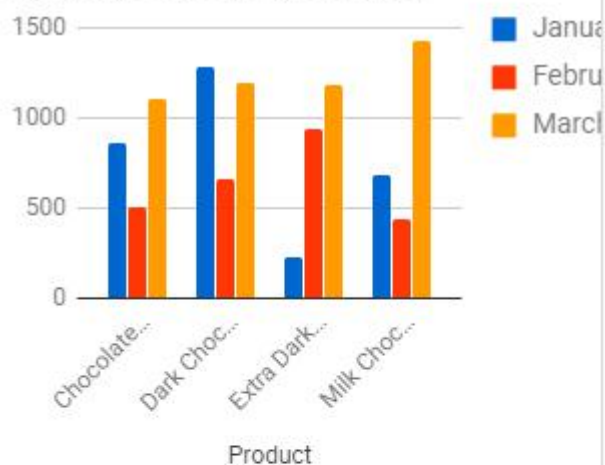
SERIES   123 January   ⋮

            123 February   ⋮

            123 March   ⋮

            Add Series   ▦

☐ Switch rows / columns
☑ Use row 1 as headers
☑ Use column A as labels
☐ Aggregate column A

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Usually, if you analyze indicators which vary over time, Google sheet will most probably offer you a column chart or a line chart. In cases, when data is a part of one thing, pie chart is used.