

# Data Visualization and Dashboards with Excel and Cognos

PROFESSIONAL CERTIFICATE IBM Data Analyst

# Agenda

Different types  
of charts

Excel basic  
charts

Pivot chart  
visualization



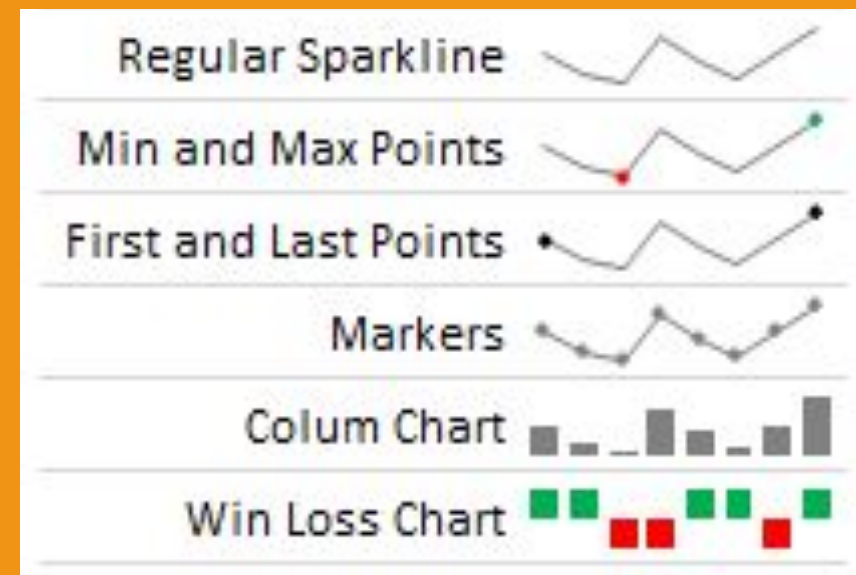
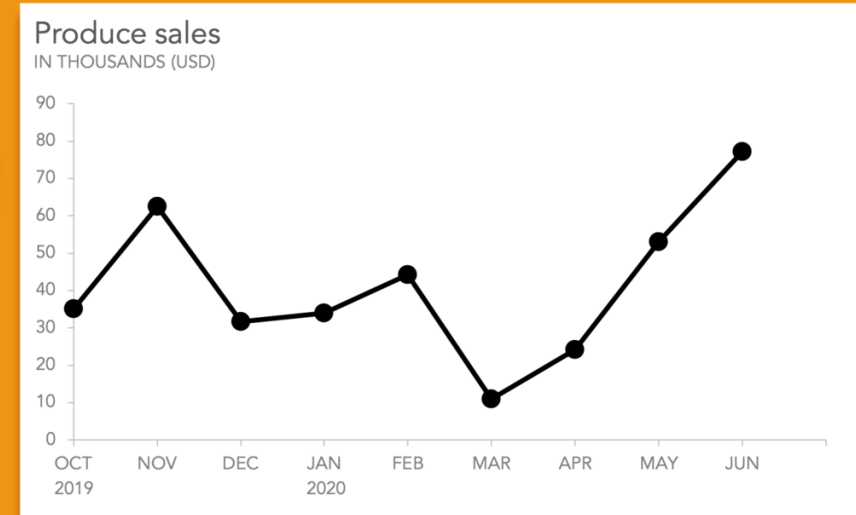
# Different Types of Charts



Line charts  
“continuous data”



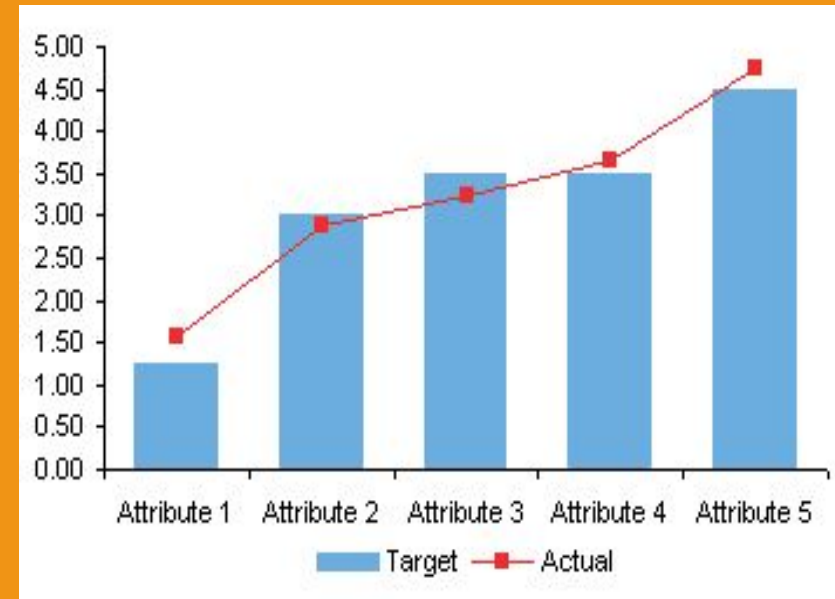
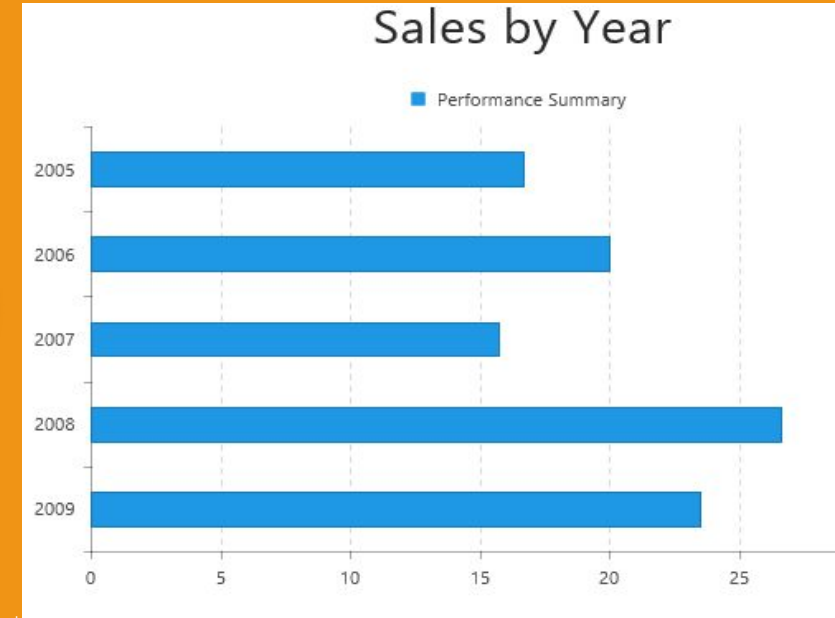
Spark lines  
“Trends”



# Different Types of Charts

Bar charts  
“Horizontal”

Column  
charts

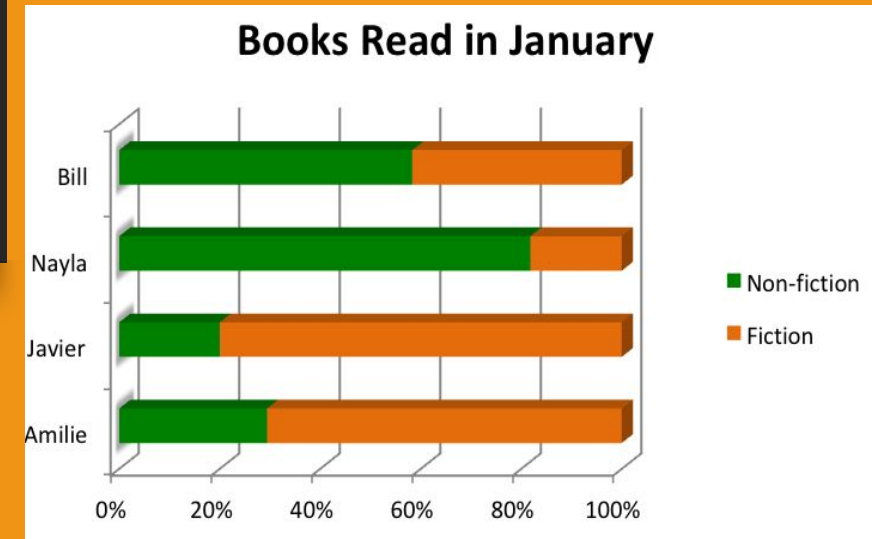




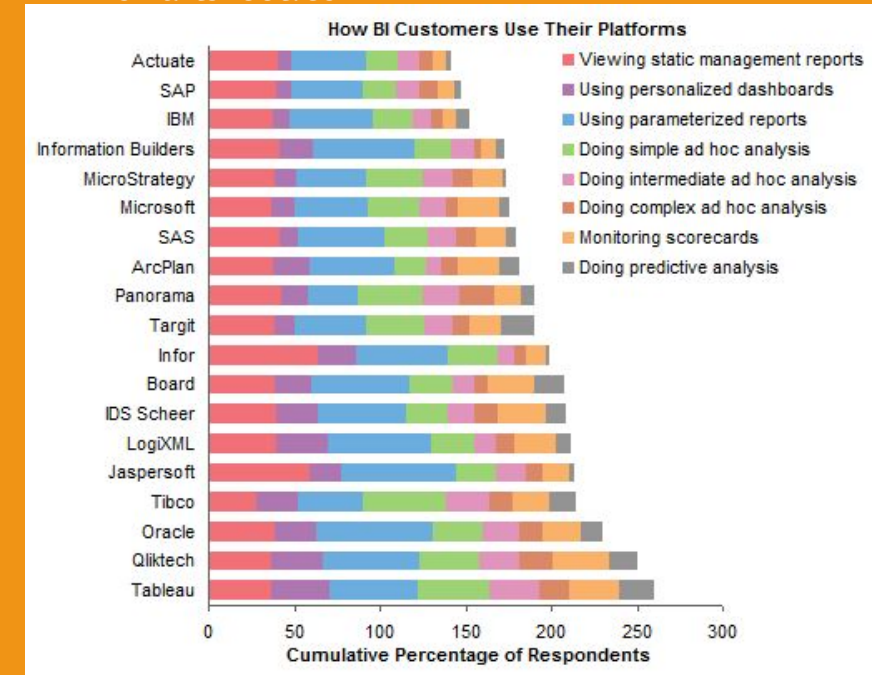
# Different Types of Charts

## Stacked bars

What do you think about the other chart?



[smartsheet.com](https://smartsheet.com)

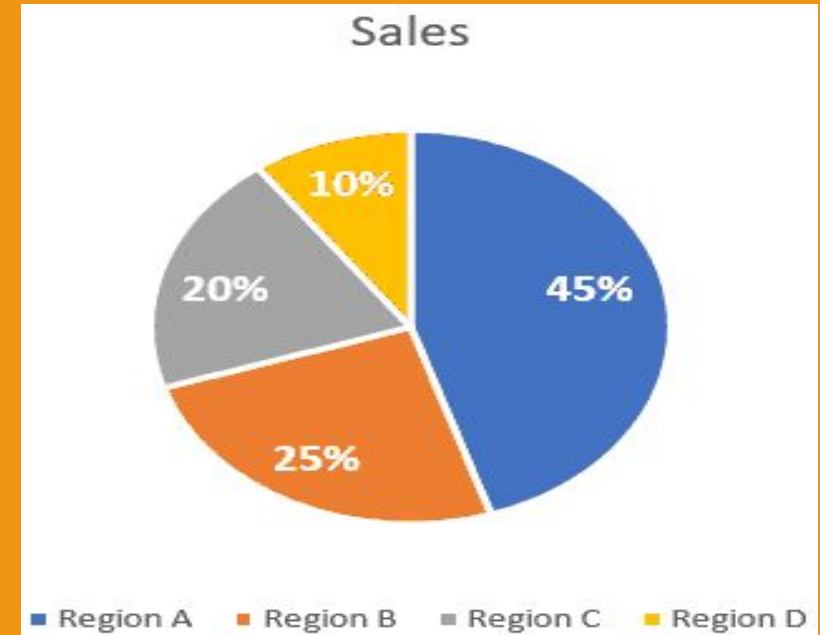


Peltier Tech Blog

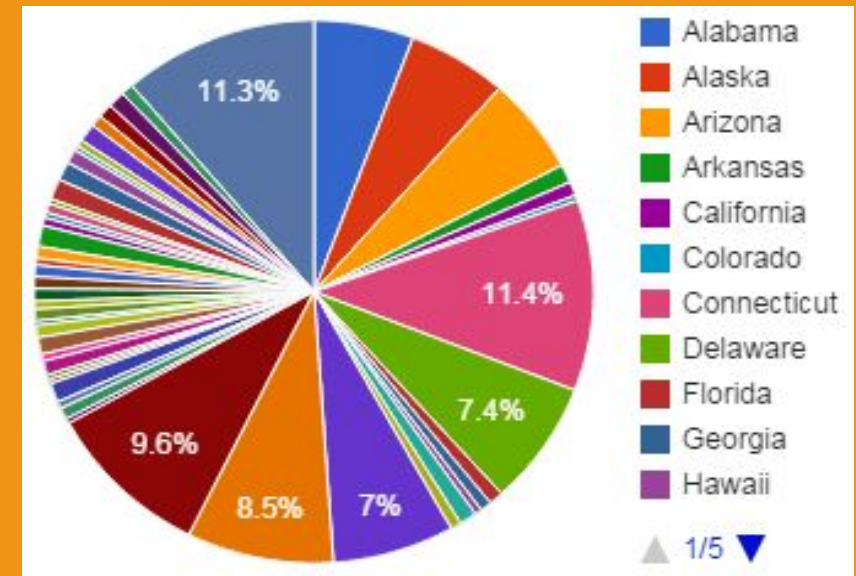
# Different Types of Charts

Pie charts “proportional data”

What do you think about the other chart?



trumpexcel.com



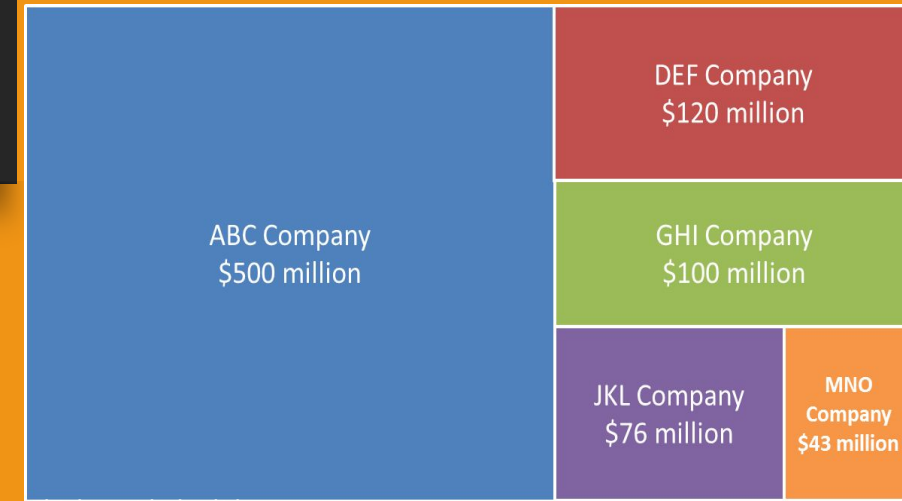
commadot.com



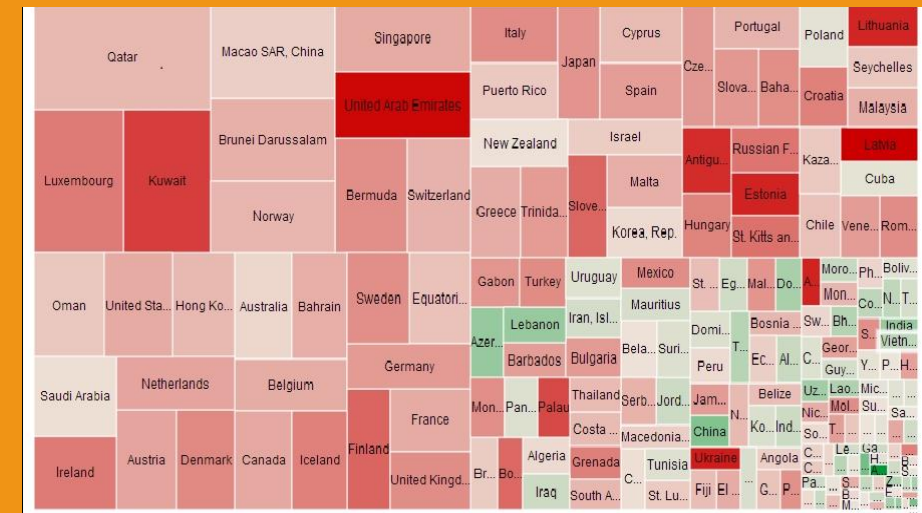
# Different Types of Charts

Treemaps “complex hierarchies”

What do you think about the other chart?



thinkoutsidetheslide



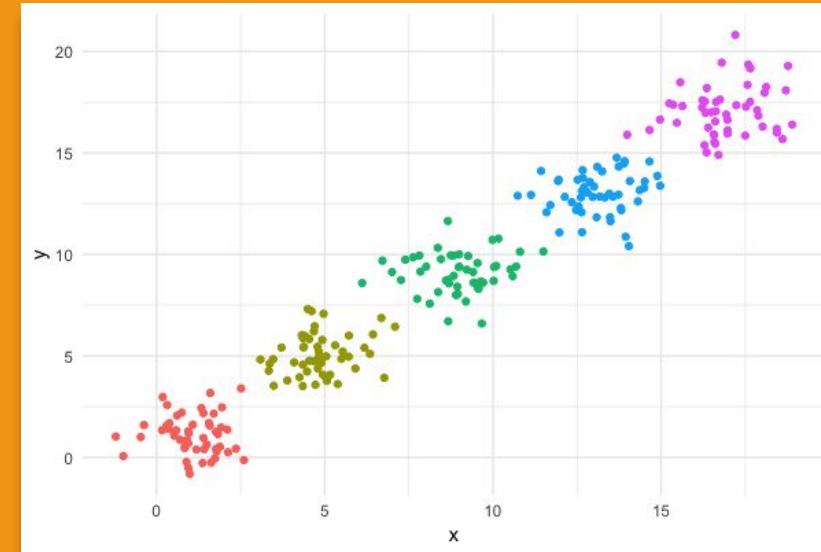
subscription.packtpub.com

# Different Types of Charts

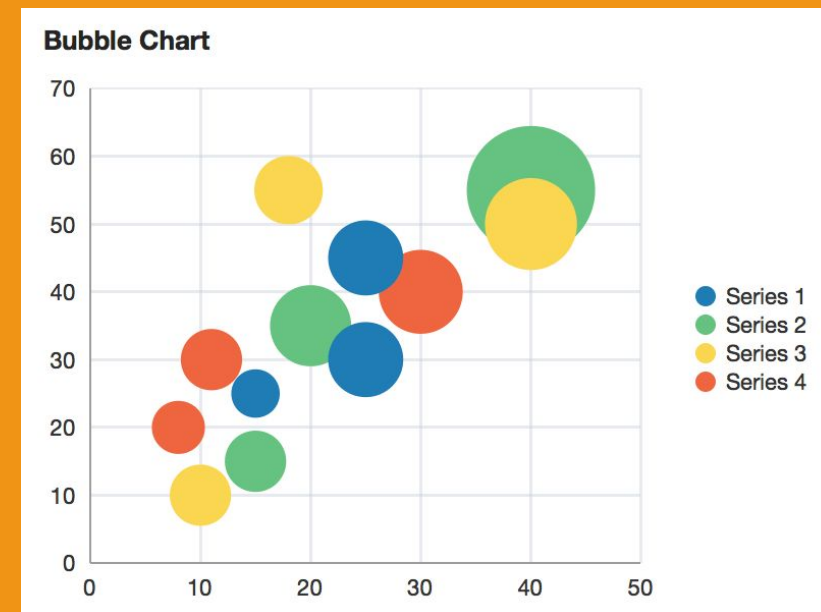
Scatter chart  
“clusters,  
patterns,  
correlations”



Bubble charts  
“comparing in  
terms of  
relative  
significance”



helicalinsight.com





# Breakout Room Activity

Download the Life is a Rollercoaster dataset from Schoology.

Explore the data with your team

- Which data is important to visualize?
- Which charts are you going to use?
- What kind of charts you can't use for this dataset?

# Excel Basic Charts

01

Select the data that you want to visualize

02

Insert the proper a chart to present you data in Excel

03

Change the title and the chart style accordingly

04

Change the color palette to fit your needs



# Breakout Room Activity

Download the Basic data visualization activity from Schoology, follow the instructions, and be prepared to share your findings in the main room.



# Pivot chart visualization

## Advantages

- Filter the data in the pivot chart itself
- Dynamic charts
- Changes in the data table automatically reflected into the Pivot chart



Any questions