

>>> Introduction to data visualization with Python >>> Women in Python

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[1/8]

 $1. \ \mbox{Understand}$ the importance of data visualization.

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- 2. Create figures (graphs) in Python.



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- 2. Create figures (graphs) in Python.
- 3. Basic data treatment.

[~]\$ _

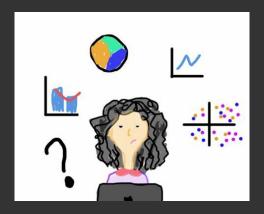


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[~]\$ _



Data visualization is the graphical representation of information and data.



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>>> What is a data?



Data is a set of values of qualitative or quantitative information [...]. Data is measured, collected and reported, and analyzed. It can be visualized using graphs or images (Wikipedia).

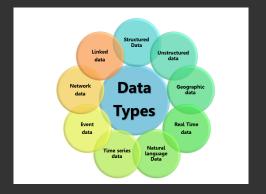
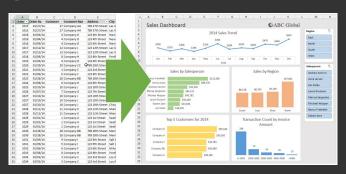
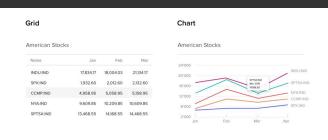


Figure: Types of data

[*]\$ _









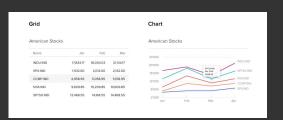








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[6/8]





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 - Find trends and outliers.



[6/8]





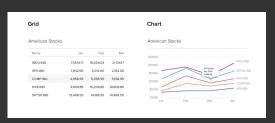
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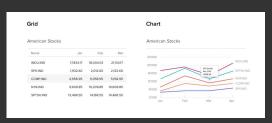




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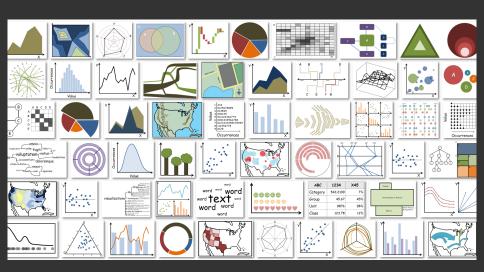






- * Information is quickly absorved.
 - Find trends and outliers.
 - * Identify relationships and patterns.
- * Communicate the story to others.
- * Handle big data.





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>>> Hands on!



Packages to install

conda install -c conda-forge matplotlib
conda install -c plotly plotly
conda install xlrd

Code and files available here.

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