

Data Visualization

Hi Guys,

It was intense learning in the data analysis section, and you did an Excellent job so far!

Let's move on to the **Data Visualization** section using Python. Data visualization is another key and one of the most important skill that you need as a data scientist.



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Data Visualization

In this section, we will talk about:

- Matplotlib
- Seaborn
- Pandas Built-in Data Visualization
- Plotly and cufflinks
- Geographical Plotting

Matplotlib - Installation

If you have Python installed using the Anaconda distribution (**recommended**), go to the terminal

- **conda install matplotlib**

If you don't have Anaconda distribution installed, you can use

- **pip install matplotlib**

Matplotlib - Introduction

- The most popular plotting library
- Great control on every element in a figure
- Very easy to get started
- Very customizable – just a few lines of code

Matplotlib - Introduction

Lets visit matplotlib's [official website](#) for a very quick tour!

[Examples > Gallery](#) – contains examples of a range of thing we can do with matplotlib, a great resource if you have any question!

Seaborn - Introduction

- Python visualization library based on matplotlib
- High-level interface for statistical data visualization
- Works well with pandas data frame objects
- Official website <http://seaborn.pydata.org>

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Lets move to jupyter notebook!

Seaborn - Introduction

Lets visit:

- Introductory notes
- installation page
- examples gallery
- github repository
- tutorial

great resource if you have any question!