

# 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>



# Seaborn - Installation

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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!**