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Machine Learning internship

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# Introduction

# Welcome!

Investment Bankers . CA's . Hedge Fund / Portfolio Managers . Forex traders . Commodities Analysts. These have been historically considered to be among the most coveted professions of all time. Yet, if one fails to keep up with the demands of the day, one would find one's skills to be obsolete in this era of data analysis.

Data Science has inarguably been the hottest domain of the decade, asserting its need in every single sphere of corporate life. It was not long agowhen we discovered the massive potential of incorporating ML/AI in the financial world. Now, the very idea of the two being disjointed sounds strange.

Data Science has been incremental in providing powerful insights ( which people didn't even know existed ) and helped massively increase the efficiency, helping everyone from a scalp trader to a long term debt investor. Accurate predictions, unbiased analysis, powerful tools that run through millions of rows of data in the blink of an eye have transformed the industry in ways we could've never imagined.

The following program is designed to both test your knowledge and to give you the feel and experience of a real world financial world - data science problem.

# Jupyter Notebook

Jupyter notebook is a very popular and flexible development environment which lets us write and execute python code, display the output and any kind of visualization or plot etc. in the same document.

Registered users will be given access to their own Jupyter Notebook portal , however it is always advisable to install Python with Anaconda environment on your system as well, the steps for the same will be covered in the Module 1.

If you want to learn more about Jupyter and it's functionality, watch this | video ▶ () | .

## Financial Markets

The very first step in solving a problem is understanding the problem. To tackle the questions and problem statements that await us, it's suggested that you first go through the following documentation and get introduced to the basic concepts that we'd coming across in the following modules to come.

Financial Markets (Basics of Financial Markets.pdf)

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