

Data Scientist (Module 1)

This Module will cover **Python & its libraries** for Data Sciences and **three (3) Capstone Projects** using tools learned during this training.

Objectives:

We'll focus primarily on Python programming for Data Science and develop deep understanding of most popular Python's libraries for Data Science i.e. NumPy and Pandas. All our training will be on real datasets.

Prerequisite:

No previous math, stats, or programming experience required — so you can start learning right away.

Learning Contents:

1. Analysis with Python

- a) Python Algorithms
- b) Containers and its Data Types
- c) Data Structures & Loops
- d) Conditional Statements
- e) Frequency Tables
- f) Commands and Functions

Capstone Project: Profitable App

2. Data Cleaning and Time Series Analysis

- a) Data Wrangling and Analysis
- b) Working with Time Series

Capstone Project: Exploring Hacker News

3. Data Analysis with NumPy and Pandas

- a) NumPy's Explorations
- b) Pandas' Aggregations
- c) Exploring Data with Pandas
- d) Data Munging with Pandas

Capstone Project: Exploring eBay