



Website : www.citcchandigarh.com

Course Syllabus: Python and Statistics for Financial Analysis

Batch Name: Python and Statistics for Financial Analysis

Eligibility: Graduation

Course Start: 1st of Every Month

Course Duration: 30 Hours

Courses / Modules Paper

Module 1

Paper 1

Python and Statistics for Financial Analysis

Paper 1: Python and Statistics for Financial Analysis

Visualizing and Munging Stock Data

- 1.1 Basic concepts of Python
- 1.2 Using Python to import, manipulate and visualize stock data



Random Variables and Distribution

- 1.1 Basic concepts of Random Variable
- 1.2 Basic concepts of Probability Distribution
- 1.3 Using probability in measuring the risk in investing a stock

Sampling and Inference

- 1.1 Basic concepts of Statistical Inference(such as population, samples and random sampling)
- 1.2 Testing the return of investment using Hypothesis Testing

Linear Regression Models for Financial Analysis

- 1.1 Building a model using multiple indices from the global markets and predicting the price changes