

DATA ANALYTICS WITH PYTHON

Introduction

Data analytics is receiving increasing interest in the businesses. At the same time, Python is an established programming language that is increasingly applied in data sciences projects in several enterprises. It is a high level language which is easy to learn and implement. Managers find it fairly simple to understand and are increasingly adopting it.

With the rapid growth of digital technology, data gets collected in larger volume within and outside enterprises. The enterprises can monetize this data and that is why they find an opportunity of leveraging data analytics in their business.

Objectives of the Program

The objective of program is to understand & learn the application of specific techniques in data analytics with Python. This program is intended for managers/executives/officers engaged in an area where they need to analyze data.

Pedagogy of the Program

The participants will get understanding of methods and techniques (as outlined in the indicative content below) to resolve practical issues in data analytics. The delivery will be on Python platform with illustrative examples/cases. No prior experience or understanding of Python is required. Participants are expected to work on Python during session

Indicative Content of the Program

1. Fundamentals & basic elements in data analytics
2. Introduction to Python
3. Python Installation Package
4. Python distribution environment
5. Working with Anaconda, Jupyter
6. Introduction to key Python libraries in data sciences projects
7. Pandas
8. NumPy
9. SciPy
10. Machine learning methods (illustrative example of logit)
11. Scikit Learn
12. StatsModels
13. Optimization problems in analytics (illustrative example of Linear Programming)
14. PuLP library

Program Director: Prof Nitin Singh

Fees (Per Candidate):Rs19200+GST (Non Residential-In Campus),Rs 15000+GST (Online)

Proposed Dates:November 28 to 29,2021