TECHNO EXPERT SOLUTIONS

AN INSTITUTE FOR SPECIALIZED STUDIES!

Python Basics

- What is Python?
- Installing Anaconda
- Understanding the Spyder Integrated Development Environment (IDE)
- Lists, Tuples, Dictionaries, Variables

Data Frame Manipulation

- Data Acquisition
- Indexing, Filtering
- Sorting & Summarizing
- Descriptive Statistics
- Combining and Merging Data Frames
- Discretization and Binning
- String Manipulation

Projects

- Default Modeling using Logistic Regression in Python
- Credit Risk Analytics using SVM in Python
- Intrusion Detection using Decision Trees & Ensemble Learning in Python

Data Structures in Python

- Intro to Numpy Arrays
- Creating ndarrays
- Indexing
- Data Processing using Arrays
- File Input and Output
- Getting Started with Pandas

Other Predictive Modelling Tools

- Intro to Machine Learning
- Random Forests
- Sklearn Library and Statsmodels