

Greens Technologys

Training | Analytics | Consulting

Strive to Create Corporate Ready Professionals.

Course Content

Data Science with Python

Course Outcome

By the end of the course, participants will be able to:

- ✓ understand business problem and identify a solution
- ✓ write Python script to perform analysis
- ✓ understand concepts of Statistics for Data Science
- ✓ understand Machine Learning concepts and implementation
- ✓ create visualization to understand data and perform EDA

Why Data Science with Python?

A complete hands-on project based learning with 5 to 6 projects and assignments throughout the course.

You will learn from industry experts having over a decade of experience working on python and implementation



Python



- ✓ Understanding the power of Python
- ✓ Scripting Rules
- ✓ Installing Python and setting up environment
- ✓ Installing Anaconda
- ✓ An Overview of Python Scripting
- ✓ Python Data Types
- ✓ Python Data Structures
- ✓ Logic Development
- ✓ Decision Making
- ✓ Using Loops
- ✓ Using Packages in Python
- ✓ NumPy (ndarray)
- ✓ Scipy
- ✓ Pandas
- ✓ Reading Data from External Sources using Pandas
- ✓ Data Cleansing
- ✓ Data Preparation
- ✓ Merge Data Frames (Left, Right, Inner, Outer)
- ✓ Matplotlib
- ✓ Using Matplotlib for Plotting Data
- ✓ Scikit Learn

Statistics and Machine Learning Overview



- ✓ Basics of Statistics
- ✓ Types of Variables
- ✓ Central Tendency Theorem
- ✓ Measure of Variability
- ✓ Probability Theory
- ✓ Statistical Approach
- ✓ Data Distribution
- ✓ Skewness
- ✓ Correlation and Covariance
- ✓ Hypothesis Testing
- ✓ ANOVA
- ✓ ANCOVA
- ✓ Machine Learning Overview
- ✓ Understanding Supervised Learning and Unsupervised Learning
- ✓ Understanding Machine Learning Algorithms
- ✓ Predictive Modeling
- ✓ Understanding Linear Regression
- ✓ Understanding Logistic Regression
- ✓ An Overview of KNN
- ✓ An Overview of Naïve Bayes
- ✓ Understanding Clustering, K-means Clustering
- ✓ An Overview of Market Basket Analysis

We would love to hear back!

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