
Python for Data Analytics and Machine Learning

This SLS course teaches you the fundamentals of Python programming, which you will need to know before embarking on training related to Data Analysis and Machine Learning. After taking this course, we recommend you proceed to the Implement Machine Learning with Python course.

Objectives

- Python datatypes and control structures
- Collections and data structures like lists, tuples, sets, and dictionaries
- Regular expressions in Python
- NumPy, Pandas, and Matplotlib

Topics

- Role of Python in Data Analytics and Machine Learning
- Python and Its Interpreter
- Python Datatypes
- Control Structures in Python
- Functions in Python
- Lists in Python
- Tuples in Python
- Sets in Python
- Dictionaries in Python
- Regular Expressions in Python
- Functions of the re Module
- Working with NumPy
- Working with Pandas
- Accessing Data Sources in Python
- Data Visualization in Python