

Length: 2 (Live Virtual Instructor Led Training)
2 days (Assumes students already know Python)
One Class

Course – Data Science with Python

Course Outline

- Programming fundamental of Python
- Data Science & Analytics Overview
- Statistical Analysis and Business Applications
- NumPy and Scipy
- Data Manipulation with Pandas
- ML and NLP with Scikit–Learn
- Data Visualization in Python
- Python integration with Hadoop MapReduce and Spark

Learning Outcomes

- Programming fundamentals of Python
- Understand the essential concepts of Python programming such as data types, tuples, lists, dicts, basic operators and functions
- Gain an in-depth understanding of Data Science processes, data wrangling, data exploration, data visualization, hypothesis building, and testing.
- Use the Scikit-Learn package for machine learning & natural language processing
- Use the matplotlib library of Python for data visualization
- Integrate Python with Hadoop, Spark, and MapReduce