Data Science with Python Course

Course Overview:

This Data Science with Python certification course provides you an understanding of Data Analysis, Data Wrangling, Data Exploration, Data Visualization, Machine Learning, Python programming, Web scraping, and Natural Language Processing concepts. You will gain hands-on exposure to performing high-level mathematical computations and Data Analysis and Manipulation using data structures and tools.

Course Highlights:

- 68 hours of blended learning
- 4 industry-based projects
- Interactive learning with Jupyter notebooks labs
- Lifetime access to self-paced learning
- Dedicated mentoring session from faculty of industry experts

Course Delivery Method:

Online Bootcamp- Online self-paced Video learning and live virtual classroom conducted by industry's leading coaches. This course includes Simpliearn's Integrated lab platform.

Prerequisites:

There are no prerequisites for taking the Data Science with Python certification course, but it is recommended that you begin with the courses - Python for Data Science, Math Refresher, Data Science in Real Life, and Statistics Essentials for Data Science offered as free companions with this course.

Skills Covered:

- Data analysis
- Data wrangling
- Data exploration
- Data visualization
- Mathematical computing
- Web scraping
- Hypothesis building
- Python programming
- NumPy and SciPy package
- Natural language processing (NLP)

Tools Covered:

Python

Who Will Benefit(Persona):

This Data Science with Python certification course is well-suited for Analytics professionals willing to work with Python; IT professionals; and anyone with a genuine interest in the Data Science field.

Key Learning Outcomes:

- Understand the essential concepts of Python programming such as datatypes, tuples, lists, dicts, basic operators, and functions
- Perform high-level mathematical computations using the NumPy and SciPy packages and their large library of mathematical functions
- Perform data analysis and manipulation using data structures and tools provided in the Pandas package
- Gain an in-depth understanding of supervised learning and unsupervised learning models such as linear regression, logistic regression, clustering, dimensionality reduction, K-NN, and pipeline
- Use the Scikit-Learn package for natural language processing and matplotlib library of Python for data visualization

Certification Criteria:

Online Classroom:
- Attend one complete batch of Data Science with Python training
- Submit at least one completed project

Online Self-Learning:
- Complete 85% of the course
- Submit at least one completed project.

About us:

Synermesh SA The Synermesh PAAS (powered by the Zoho SAAS; Simplilearn LMS); PMI training) connects the our staff & partners with the top Banks; Funds Administrators; and Funds Managers active in Luxembourg. Within our platform we provide access to our consultants to: tools to support project management & digital transformation: accounting services; training services; and specialised tools to support the specific operations related to Fund Administration

Simplilearn is a leader in digital skills training, focused on the emerging technologies that are transforming our world. Our bended learning approach drives learner engagement andis backed by the industry's highest completion rates. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

Founded in 2009, Simplilearn is one of the world's leading providers of online training for Digital Marketing, Cloud Computing, Project Management, Data Science, IT Service Management, Software Development and many other emerging technologies. Based in Bangalore, India, San Francisco, California, and Raleigh, North Carolina, Simplilearn partners with companies and individuals to address their unique needs, providing training and coaching to help working professionals meet their career goals. Simplilearn has enabled over 1 million professionals and companies across 150+ countries train, certify and upskill their employees.

Simplilearn's 400+ training courses are designed and updated by world-class industry experts. Their blended learning approach combines e-learning classes, instructor-led live virtual classrooms, applied learning projects, and 24/7 teaching assistance. More than 40 global training organizations have recognizedSimplilearn as an official provider of certification training. The company has been named the 8th most influential education brand in the world by LinkedIn.