PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Introduction To Python For Data Analytics	**Course Duration**: 1.0 Day
Exam: Included	**Exam Type**: Proctored Exam
Qualification: Introduction To Python For Data Analytics Certificate	

Course Syllabus

Our Introduction To Python For Data Analytics training course covers the following Modules:

Module 1: Working with data stored in pandas data frame objects

Module 2: Generating summary statistics with pandas

Module 3: Statistical modelling using NumPy and SciPy

Module 4: Plotting and visualising data using MatPlotLib

Module 5: Making use of scikit-Learn to mine and analyse a data set

Course Outline & On-Demand Training Content:

Ebooks:

- Managing Data Science
- Hands-On Data Analysis with Pandas
- Hands-On Python Natural Language Processing
- Data Science Algorithms in a Week - Second Edition
- Machine Learning for Algorithmic Trading - Second Edition
- Hands-On Neural Networks
- Mastering Machine Learning Algorithms - Second Edition
- Hands-On Machine Learning with scikit-learn and Scientific Python Toolkits
- Hands-On Data Science for Marketing
- Python Feature Engineering Cookbook
- Artificial Intelligence By Example - Second Edition
- Hands-On Machine Learning on Google Cloud Platform

Course Overview

Our one-day Introduction To Python For Data Analytics training course will help you gain the skills you need to analyse and visualise data with Python. Aiding in helping you learn the fundamentals of Python programming with a focus on data analytics, and work with popular statistical computing libraries — like numPy, Pandas, sciPy, and Scikit-learn — that allow you to begin analysing data to answer key business questions.

- The eBooks and on-demand courses provided with this offering are a great way to explore your interest in the topics covered in the instructor-led course.

Course Learning Outcomes

Our Introduction To Python For Data Analytics training course will teach you to become proficient in the following:

- Use Python for statistical data analysis.
- Generate summary statistics with pandas.
- Clean, transform, and reshape data.
- Glean insights from the data through visualisation.

Audience

Our Introduction To Python For Data Analytics training course will benefit several individuals and organisations including but not limited to:

- Data Analysts
- Data Scientists
- Business Analysts
- Researchers and Academics
- Aspiring Data Professionals
- Professionals in Non-technical Roles
- Students and Educators

Entry-Level Requirements

There are no entry-level requirements for our Introduction To Python For Data Analytics training course.

Recommended Reading

There is no recommended reading for our Introduction To Python For Data Analytics training course.

What's Included

Our Introduction To Python For Data Analytics training course contains the following:

- 1-day instructor-led training course
- Practice exams and prep questions
- One-on-one after course instructor coaching
- Exam voucher included
- Pre-reading
- Course Manual
- Quizzes
- Exercises

Exam Information

Introduction To Python For Data Analytics Exam:

- Format: Multiple Choice

- Questions: 40
- Pass Mark: 70%

What's Next

Attendees may enjoy our three-day Introduction To Python training course.

Our three-day Introduction To Python training course will provide a foundation for learning and understanding the Python programming language. Python is a versatile and widely used programming language known for its simplicity, readability, and a large number of libraries and frameworks that make it suitable for various applications. We will teach you how to use Python's features, standard library modules, and third-party software packages.

Additional Information

Our Introduction To Python For Data Analytics training course offers several benefits individuals and organisations including but not limited to:

- **Versatility**: Python is a versatile programming language widely used in data analytics
- **Extensive Libraries**: Python has an extensive ecosystem of libraries specifically designed for data analytics.
- **Data Manipulation and Analysis**: Python's libraries like Pandas provide robust data manipulation capabilities.
- **Data Visualisation**: Python offers powerful data visualisation libraries such as Matplotlib and Seaborn.
- **Machine Learning Integration**: Python serves as a popular language for machine learning tasks, and its libraries like scikit-learn provide a rich set of algorithms and tools.
- **Career Opportunities**: Proficiency in Python for data analytics opens up numerous career opportunities.
- **Community and Resources**: Python has a vast and active community of data analysts, scientists, and developers.
- **Integration with Other Tools**: Python seamlessly integrates with other tools and technologies commonly used in data analytics.