Master Class: Data Analysis with Python

Category: Software Development & Programming | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Everyone's talking about it: data is the new gold, let's dig. Python is our mining tool. Learn how to prepare your data for analysis correctly and efficiently and how to evaluate it in a targeted way using hypothesis techniques.

About This Course

- Basics of Numpy

- What this package can do
- Which data analyses are possible
- Introduction to pandas

- Pandas Data Structures
- Functionality
- Which data analyses are possible and useful with pandas
- Loading and saving data

- Practical handling of the most important file formats
- Efficiency, performance and reliability
- Prepare and clean up data

- Dealing with missing data
- Data transformation
- Linking, combining and transforming data
- Visualization
- Aggregation and grouping of data
- Time series
- Pandas for advanced learners
- Modelling Libraries
- Examples from data analysis
- Overview learning models with scikit

Who Should Attend

Data analysts, business analysts, data engineers, BI specialists, database specialists, Excel analysts

Prerequisites & Entry Requirements

General Prerequisites:

Course Master Class: Advanced Python (Associate Training) (PYTHON03) or equivalent knowledge

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Data preparation
- Data transformation
- Quality evaluations
- Analysis
- Data analysis applications
- Introduction to Machine Learning and AI

Detailed Course Outline

Basics of Numpy: capabilities and data analyses

Introduction to pandas: Pandas Data Structures, Functionality, data analyses

Loading and saving data: important file formats, efficiency, performance and reliability

Prepare and clean up data: dealing with missing data, data transformation

Linking, combining and transforming data

Visualization

Aggregation and grouping of data

Time series

Pandas for advanced learners

Modelling Libraries

Examples from data analysis

Overview learning models with scikit

Skills You Will Learn:

- Data preparation
- Data transformation
- Quality evaluations
- Analysis
- Data analysis applications
- Introduction to Machine Learning and AI

Frequently Asked Questions

Q: What delivery options are available for Master Class: Data Analysis with Python?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Master Class: Data Analysis with Python course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Master Class: Data Analysis with Python training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Master Class: Data Analysis with Python?

Yes, we provide corporate training, dedicated training, and closed classes for Master Class: Data Analysis with Python. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Master Class: Data Analysis with Python, Python, PYTHON05

Q: Why choose Nexus Human for Master Class: Data Analysis with Python?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Master Class: Data Analysis with Python training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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