

## Master Class: Data Analysis with Python (PYTHON05)

ID PYTHON05 Price CHF 2,550.—(excl. VAT) Duration 3 days

#### Who should attend

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

#### **Prerequisites**

Course <u>Master Class: Advanced Python (Associate Training)</u> (<u>PYTHON03</u>) or equivalent knowledge

#### **Course Objectives**

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

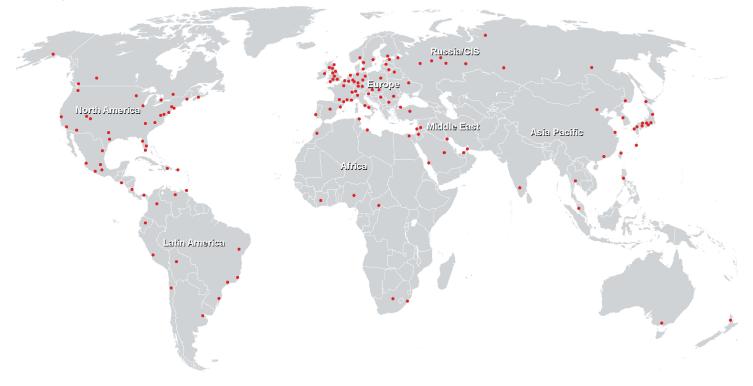
#### **Course Content**

- 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

# Master Class: Data Analysis with Python (PYTHON05)



### **Training Centres worldwide**





Fast Lane Institute for Knowledge Transfer GmbH

Husacherstrasse 3 CH-8304 Wallisellen Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch