

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

ID PYTHON05 Prix CHF 2 550,- (Hors Taxe) Durée 3 jours

### A qui s'adresse cette formation

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

### Pré-requis

Course [Master Class: Advanced Python \(Associate Training\) \(PYTHON03\)](#) or equivalent knowledge

### Objectifs

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

### Contenu

- 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)

---

## Centres de formation dans le monde entier



## 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>