

# Data Scientist Academic Certificate Program



- At the end of the program, you will obtain a certification from Université Paris 1 - La Sorbonne

## Objectives



- Mastering **analysis techniques** (statistical and quantitative)
- Mastering **AI technologies** (Machine Learning, Deep Learning)
- Mastering **Data analysis programming languages** (R, Python, SAS)
- Mastering **databases** and create **analysis models**
- Be aware of the technical watch and the innovations and updates of the tools used
- Mastering **DataLab tools**

## Duration

### Data Scientist

9 months

part-time

## Public



- Intensive **Mathematical** or **Science background**
- Previous experience in Python appreciated but not mandatory
- Data Camp**  
Completion of the Data Science for practitioners grants access to our Data Scientist course
- To know if you have the prerequisites, feel free to take the DataScientest placement test.

## Program



### Python programming & Data visualisation tools

Numpy/Pandas/Matplotlib/Seaborn

### Machine Learning algorithms & methodology

Classification/Clustering/Size Reduction and Regression methods + Times series/Text Mining/Network X

### SQL & Big Data

SQL/Data Processing/Machine Learning with PySpark

### Deep Learning & AI

Tensorflow/Keras/CNN & RNN/Reinforcement Learning

## Details



### Project

You will develop a practical **data scientist project** from scratch. You can either bring your own project from Allianz or benefit from our extensive project catalog.

### Support & Masterclass

Our teachers are always by your side to advise you quickly and efficiently. Frequently planned **masterclasses** will allow you to deepen your knowledge and review the previously studied content.

### Coached training platform

Our coached training platform allows you to study autonomously and exercise on different topics from **Python programming** to **Deep Learning**.

