



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Specialized Models: Time Series and Survival Analysis

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
W7106G	11.04 Hours	€380.00

## Description

This course introduces you to additional topics in Machine Learning that complement essential tasks, including forecasting and analyzing censored data. You will learn how to find analyze data with a time component and censored data that needs outcome inference. You will learn a few techniques for Time Series Analysis and Survival Analysis. The hands-on section of this course focuses on using best practices and verifying assumptions derived from Statistical Learning.

## Objectives

- By the end of this course you should be able to:- Identify common modeling challenges with time series data.
- Explain how to decompose Time Series data: trend, seasonality, and residuals.
  - Explain how autoregressive, moving average, and ARIMA models work.
  - Understand how to select and implement various Time Series models.- Describe hazard and survival modeling approaches.
  - Identify types of problems suitable for survival analysis.

## Audience

This course targets aspiring data scientists interested in acquiring hands-on experience with Time Series Analysis and Survival Analysis.

## Prerequisites

To make the most out of this course, you should have familiarity with programming on a Python development environment, as well as fundamental understanding of Data Cleaning, Exploratory Data Analysis, Calculus, Linear Algebra, Supervised Machine Learning, Unsupervised Machine Learning, Probability, and Statistics.

## Programme

1. Introduction to Time Series Analysis
2. Stationarity and Time Series Smoothing
3. ARMA and ARIMA Models
4. Deep Learning and Survival Analysis Forecasts

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

This training is also available as onsite training. Please contact us to find out more.