



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Specialized Models: Time Series and Survival Analysis

**CODE:**      **DURÉE:**      **PRIX H.T.:**

W7106G      11.04 Hours      Gratuit

## 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.

## Objectifs

- 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.

## Prérequis

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

## Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
20 Sep 2024			English	Web based Training		€130.00

## Informations Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)