



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

---

**You can reach us at:**

Arrow ECS, Woluwedal 30, 1932 Sint-Stevens-Woluwe

Email: [education.ecs.benelux@arrow.com](mailto:education.ecs.benelux@arrow.com)  
Phone: +32 2 332 19 57



## Specialized Models: Time Series and Survival Analysis

**CODE:**      **LENGTH:**      **PRICE:**

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.](#)