



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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Email: [training.ecs.dk@arrow.com](mailto:training.ecs.dk@arrow.com)  
Phone: +45 7025 4500



# Supervised Learning: Classification

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
W7103G	11.04 Hours	kr 2,860.00

## Description

This course introduces you to one of the main types of modeling families of supervised Machine Learning: Classification. You will learn how to train predictive models to classify categorical outcomes and how to use error metrics to compare across different models. The hands-on section of this course focuses on using best practices for classification, including train and test splits, and handling data sets with unbalanced classes.

## Objectives

By the end of this course you should be able to:- Differentiate uses and applications of classification and classification ensembles.  
- Describe and use logistic regression models.- Describe and use decision tree and tree-ensemble models.  
- Describe and use other ensemble methods for classification.  
- Use a variety of error metrics to compare and select the classification model that best suits your data.  
- Use oversampling and undersampling as techniques to handle unbalanced classes in a data set.

## Audience

This course targets aspiring data scientists interested in acquiring hands-on experience with Supervised Machine Learning Classification techniques in a business setting.

## 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, Probability, and Statistics.

## Programme

1. Logistic Regression
2. K Nearest Neighbors
3. Support Vector Machines
4. Decision Trees
5. Ensemble Models
6. Modeling Unbalanced Classes

## Session Dates

På anmodning. [Kontakt os venligst](#)

## Yderligere Information

[Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.](#)