



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Supervised Learning: Classification

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

W7103G      11.04 Hours      Gratuit

## 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.

## Objectifs

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.

## 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, 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

## Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
18 May 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.](#)