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 Regression2. K Nearest Neighbors3. Support Vector Machines4. Decision Trees5. Ensemble Models
6. Modeling Unbalanced Classes

Dates de session

Sur demande. Merci de nous contacter

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.