

HEURE : 11H À 12H

LIEU : SALLE G. ROSE, BIOPÔLE 2,
PROLINE, RTE DE LA CORNICHE 10,
1010 LAUSANNE
& VIA WEBEX

**JEUDI
9 SEPTEMBRE 2021
COLLOQUE VIRTUEL
& PRESENTIEL**

Présentiel: sur inscription
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« DATA SCIENCE (DS) FOR DUMMIES » – VOL. 3

Popular Machine Learning algorithms, illustrated – theory and practice

INTERVENANT :

■ DR DAN ASSOULINE
DATA SCIENTIST AT UNISANTÉ, LAUSANNE

DESCRIPTIF :

Following the main concepts of Machine Learning presented in the second presentation of the series, we will now focus on popular ML methods and algorithms, illustrated by figures and examples in public health. In particular, you will get familiar with the basic ideas behind a variety of models for supervised and unsupervised tasks: traditional benchmark algorithms (linear regression models, k-Nearest Neighbors, Principal Component Analysis), tree-based models (CART, Bagging, Boosting, Random Forests), Kernel methods (Support Vector Machines), and Neural Networks (a.k.a. Deep Learning methods).

We will finally present Scikit-Learn, an easy to use Python ML library that will allow you to better grasp the possibilities of ML and quickly realize your first ML applications.

Recommandé par la Société Suisse des Spécialistes en prévention et santé publique (SPHD) pour la reconnaissance de la formation continue.

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