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Centre universitaire de médecine générale
et santé publique • Lausanne

HEURE : 11H à 12H

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

MARDI
7 SEPTEMBRE 2021
COLLOQUE VIRTUEL
& PRESENTIEL

Présentiel: sur inscription
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« DATA SCIENCE (DS) FOR DUMMIES » – VOL. 2

Machine Learning concepts and frameworks - A new friend for Statistics ?

INTERVENANT :

- DR DAN ASSOULINE
DATA SCIENTIST AT UNISANTÉ, LAUSANNE

DESCRIPTIF :

In the first session, we gave a general introduction to concepts and trends in Data Science, and briefly reviewed the history of its advances over the past decades.

In this second session, we will focus on the main ideas hidden behind the (wrongly defined) "black box" of Machine Learning (ML), the modeling toolbox in modern Data Science. You will get familiar with the different ML frameworks and the multiple tasks one can perform within these frameworks.

We will also discuss the practical aspects of using ML with real data, from data processing to parameter optimization. Finally, we will attempt to compare ML with traditional statistical analysis, discuss the conceptual differences and similarities between the two, and debunk the myths and clichés around them to arrive to a well-merited conclusion: they are both needed and complementary.

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

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