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Introduction to Machine Learning

Tuesday, 4 July 2023 09:00 (1h 30m)

In this course we will cover the basic concepts about machine learning with a theoretical and practical approach. Specifically, we will learn the concept of Machine Learning and Supervised Learning, a couple of classifiers (kNN and SVM) and how to evaluate them. Finally, we will learn how to create them in Python.

Objectives

1. Comprehensive overview about machine learning basic concepts.
2. Basic knowledge about how to evaluate classifiers' performance and how to interpret its results
3. Learn to build a simple classification experiment

Outcomes

1. To know the basic knowledge about machine learning and supervised learning
2. To know about two basic supervised learning classifiers: kNN and SVM
3. To evaluate and interpret classification models' results.
4. To know the Google colab environment for computation in the cloud
5. To build a simple classification experiment and assess its results.

Primary authors: FIDALGO FERNÁNDEZ, Eduardo; GONZÁLEZ-CASTRO, Victor (University of León)

Presenters: FIDALGO FERNÁNDEZ, Eduardo; GONZÁLEZ-CASTRO, Victor (University of León)

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