UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

L’Intelligenza Artificiale e il Machine Learning in Medicina: Introduzione ed Applicazioni

2627-4-H4101D399

Aims

The aim of the course is to provide students with an introduction to the use of Artificial Intelligence techniques, in particular machine learning, in medicine.

Contents

Machine learning methods with several examples

Detailed program

1. Introduction to Artificial Intelligence
2. From Statistics to Machine Learning
3. Supervised and Unsupervised learning: classification and clustering methods
4. Applications to big data in healthcare
5. Applications to proteomics
6. Applications to genetics
7. Applications to imaging

Prerequisites

from the 5th year of Course
Dentistry from year V and Specialist Nursing and Midwifery year II

Teaching form

Lessons will be provided in presence (lectures)

Textbook and teaching resource

The teaching resourse will be indicated at the beginning of the course

Semester

Second semester, March

Assessment method

Interactive verification at the course conclusion in order to ensure the learning of the take-home messages.

Office hours

By appointment paola.rebora@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION