



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Data Management for Machine Learning

2223-87R-04

Title

Data Management for Machine Learning

Teacher(s)

Andrea Maurino
Blerina Spahiu

Language

English

Short description

Machine learning (ML) enables computers to interpret data, communicate in natural language, answer complex questions, and interact with users and other applications. Today, ML is not only a very stimulating research field, but it is also one of the most frequently used tools in different research areas. In both cases, Machine Learning relies on high-effort data management tasks such as data understanding, data exploration, data preparation and data cleaning. This course will cover data management challenges, data analytics, data wrangling tools and systems for faster ML deployment. The course will discuss problems related to (1) data exploration and understanding, (2) data integration, cleaning, and validation, and (3) data preparation for ML models. The goal of

this course is to give students an in-depth look at an important, emerging topic in data management research as well as to show the current technologies in this field.

CFU / Hours

20 hours

Teaching period

September 2023

Sustainable Development Goals

QUALITY EDUCATION
