



Introduction to Machine Learning and Artificial Intelligence: Methods and Applications

The course consists in three meetings:

1. A Brief Tutorial on Artificial Intelligence and Machine Learning

In the first meeting, we will introduce the basic concepts and tools of Machine Learning and Artificial Intelligence. We will also discuss some examples, looking at applications of in various areas.



04/03- 14.00-17.00

Room H8 Aula Innovativa (Engineering Hub)

Via Tommaseo, 59 – 35131 Padova PD

2. Fundamental Methods and Modern Techniques

In the second meeting, we will discuss more in depth some of the key methods introduced in the first meeting. We will also explore some of the more recent techniques in Artificial Intelligence and Machine Learning, and the challenges they pose. Part of this meeting will be based on Flipped Classroom, based on the work done by the students between the first and second meeting.



18/03- 13.00-17.00

Room H8 Aula Innovativa (Engineering Hub)

Via Tommaseo, 59 – 35131 Padova PD

3. How can we apply ML and AI to our projects?

In the third meeting, we will focus on how the students can apply Machine Learning and Artificial Intelligence to their own research field. The meeting will include presentations from the students, and the discussion of the main challenges and potentials they identify.



25/03- 14.00-17.00

Room H8 Aula Innovativa (Engineering Hub)

Via Tommaseo, 59 – 35131 Padova PD

Speaker: Fabio Vandin