

Machine Learning for Modelling: *Supervised Learning*

Simone Bianco

1

Who am I?

Who am I?

Simone Bianco, Associate Professor at DISCo – Dept. of Informatics, Systems, and Communication @University of Milano-Bicocca

Teaching activities for AY 2023/2024:

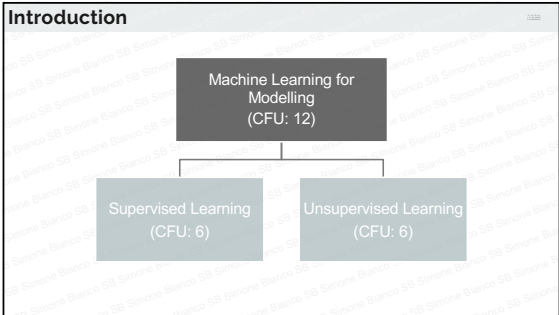
- Programmazione 1 (Java Programming), [BSc Computer Science, 1st year]
- Visual Information Processing and Management [MSc Computer Science, 2nd year]
- Advanced Machine Learning [MSc Computer Science, 2nd year]
- Digital Signal and Image Management [MSc Data Science, 2nd year]
- Machine Learning for Modelling: Supervised Learning [MSc Artificial Intelligence, 1st year]

Research activities: Computer Vision, Machine Learning, Deep Learning

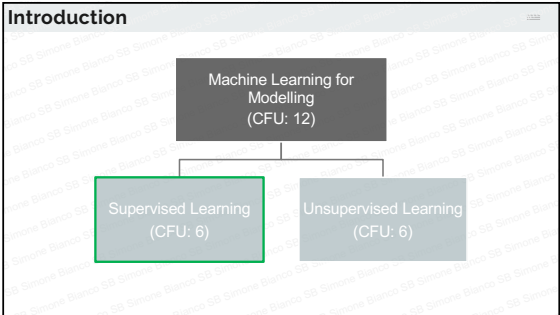
3

Introduction

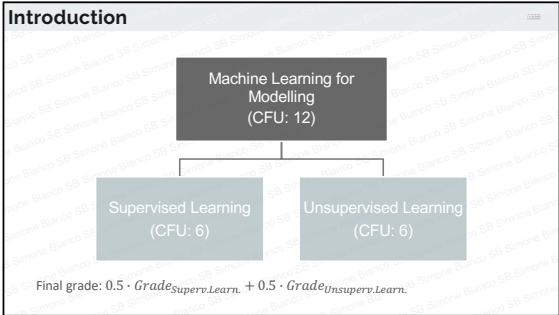
4



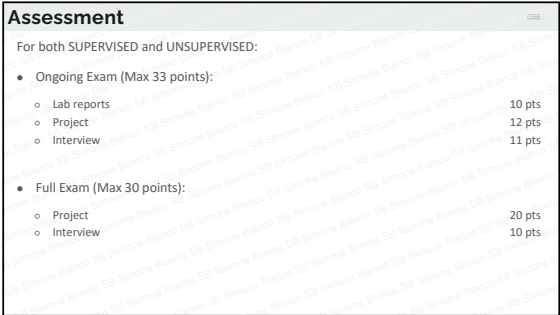
5



6



7



8

Assessment

Lab reports:

- Students are allowed/suggested to work in pairs during the lab activity
- Students will have 1 week to complete the lab activity and prepare a short report
- The report must be delivered on the e-learning platform
- Lab reports will be graded at the end of the course
- Lab reports grade is valid for one academic year

9

Assessment

Project:

- Students are allowed/suggested to work in pairs to design, develop and document their project
- A common project or a list of projects among which to choose will be given after the first half of the course (about mid of April)
- At the end of the project a technical report must be delivered (8 pages, a template will be given)
- The report will be graded analytically (e.g., methodological correctness, clarity of exposition, etc.). More details will be given together with the project.

10

Assessment

Interview:

- 20 minutes in total
- Of which 10/15 min for the presentation of the project
- The remaining 5/10 min for the interview on methodological aspects

11

Course organization

12

07/03/24

Course organization

Frontal classes: 32h
- on Thursday, in groups of 3h for most of the course, then in groups of 2h

Practical classes: 24h
- on Friday, in groups of 2h
- with support of the Tutor Dr. Mirko Agarla

Any change will be communicated in class and/or via forum: **subscribe** to the forum to receive news!

Reception hours: after classes, or by appointment via email (can be both remote or in person in my office in U14, 1st floor, room 1011)