



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP130_DIP_PSI

Visiting Professor Program Academic year 2022/2023

TEACHING COMMITMENT: 24 hours

COURSE TITLE

Data Mining and Machine Learning

TEACHING PERIOD

1st term

SCIENTIFIC AREA

Computer Sciences

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course introduces essential data mining concepts and tools useful for studies in Mental Health and cognitive processes, including data analysis, preprocessing techniques, algorithms for data mining, and evaluation of experiments. The course will also focus on Machine Learning algorithms and their application to Health. Practical activities on computer on the course topic and presentation of machine learning experiments will be also provided.

LEARNING OBJECTIVES

Provide students with the basics of data mining and machine learning so that they acquire the ability to develop model to better understand mental and cognitive processes, as well as interpret the application of these models in practical scenarios.

TUTORSHIP ACTIVITIES

N/A

LAB ACTIVITIES

N/A

OTHER ACTIVITIES BESIDES THE COURSE

Seminars addressed to Ph.D. students and research fellows.

VISITING PROFESSOR PROFILE

The Visiting Professor must have the following qualifications:

- Master degree in Computer Science
- PhD in Computer Science
- Experience of teaching at undergraduate and graduate level
- Research activity related to the course topic, as proven by publications and CV
- Excellent verbal communication skills
- Enthusiastic about impactful mentorship and mutually beneficial collaboration
- Fluency in both English and Italian

CONTACT PERSON AT THE DEPARTMENT

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