UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Big data for Healthcare: an introduction

2324-122R-07

Aims

The goal of the course is to provide students with appropriate knowledge of the potential of big data in the field of neuroscience in order to deal with novel research questions.

Contents

The course provides PhD students with an introduction to the fundamentals of big data sources that drive digital health innovations in Neurosciences to tackle real-world challenges, promoting students' skills in observation, analysis, and interpretation of relevant scenarios.

Detailed program

In order to understand the terminology, techniques, and technology driving transformation in neuroscience, students will be provided with an in-depth overview of the commonly used definitions and methods in the biomedical field. Trends, technological developments, and opportunities for translating these into new applications in the field of neuroscience will be addressed.

Prerequisites

None

Teaching form

in-person and interactive (collaborative learning; Wooclap, Mentimeter)

Textbook and teaching resource

Provided material

Semester

2nd semester, April-September

Assessment method

Collaborative learning based also on evidence from the scientific literature

Office hours

contact by email cristina.crocamo@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | INDUSTRY, INNOVATION AND INFRASTRUCTURE