

Title: Nutritional Epidemiology: methods and practice

Description:

This lab will give you an overview on up-to-date approaches for the identification of dietary patterns in nutritional epidemiology.

There will be a focus on practical sessions, where students will face with real-life research questions on epidemiological data and their inherent complexity. In detail, we will consider datasets obtained within different study designs.

Duration: 20 hours (5 slots of 4 hours)

Calendar: at 8.30 – 12.30 on:

- November 29, 2022 (Tuesday)
- December 6, 2022 (Tuesday)
- December 13, 2022 (Tuesday)
- December 20, 2022 (Tuesday)
- January 10, 2023 (Tuesday)

Main Contents:

- Basics of nutritional epidemiology: dietary assessment and health/disease outcomes within standard epidemiological designs
- Dietary patterns in nutritional epidemiology: rationale
- A priori, a posteriori, and mixed-type dietary patterns
- Standard approaches for the identification of dietary patterns
- Key elements in the development of novel approaches to dietary pattern identification

Eligible students: 15 students at most are allowed to attend

Preferred Skills:

- Basic knowledge of R and SAS
- Basic knowledge of matrix algebra
- Basic knowledge of dimensionality reduction methods
- Programming skills (students are allowed to use their preferred language)
- Interest in Epidemiology and/or in Nutritional Epidemiology

E-mail for sending Applications: dse@unimi.it

Application Deadline: November 14, 2022, h 23.59