



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Laboratory 2

2425-3-E4001N102

Learning objectives

To provide students with the main methodological knowledge for using sources and analyzing ecological data in social research.

Learn how to use ecological data in social research (sources, open data, secondary analysis, socio-territorial indicators, representation cartographic representation of data).

Contents

Ecological data refer to spatial units, and their analysis enables the study of the distribution of social phenomena on the territory.

After a historical-methodological introduction, students will be familiarized with socio-territorial analysis through exercises related to the collection, processing, reading and cartographic representation of data.

Detailed program

Particular attention is paid to: the identification of sources, especially open data, in the different spatial units at the local level, national and international levels; to the quality and comparability of data; to the construction of socioeconomic and demographic indicators.

Prerequisites

Strongly recommended knowledge of basic Microsoft Office Excel functions. or those who have gaps in their knowledge of how to use the software, it is suggested that they watch a tutorial of their choice, such as <https://www.youtube.com/watch?v=eNr0ZRjyFY8&t=168s>

Teaching methods

The course consists of 16 hours, of which 10 % is deliverable teaching (theoretical lectures with the support of slides) and 90 % is interactive teaching (conducting exercises in class).

Assessment methods

The lab does not involve grades in 30/30, only approval/disapproval. Students are expected to deliver a paper which includes the exercises carried out in class once the lab is over, according to the schedule set by the lecturer.

Textbooks and Reading Materials

Suggested readings:

Pintaldi F. (2009), Come si analizzano i dati territoriali, Milano: FrancoAngeli.

Pintaldi F. (2003), I dati ecologici nella ricerca sociale. Usi e applicazioni, Roma: Carrocci.

Zajczyk F. (1997), Il mondo degli indicatori sociali. Una guida alla ricerca sulla qualità della vita, Roma: NIS.

Sustainable Development Goals

SUSTAINABLE CITIES AND COMMUNITIES
