



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Laboratory 2

2021-3-E4001N102

Learning objectives

Knowledge and understanding

The workshop is aimed to give students the main methodological knowledge and skills for the analysis of ecological data in social research.

Applying knowledge and understanding

To enable students to use ecological data in social research (sources, open data, secondary analysis, socio-spatial indicators).

Contents

Ecological data refer to spatial units and their analysis allows to study the spatial distribution of social phenomena.

After a historical and methodological introduction, the students will be introduced to socio-spatial analysis through exercises related to the identification of sources and the collection, processing, interpretation of ecological data.

Detailed program

During the workshop particular attention is dedicated to: identifying the sources of ecological data at local, national and international level; data quality and comparability; the construction of socioeconomic and demographic indicators.

Prerequisites

Basic knowledge and skills in social research methods and in the use of software such as Excel and SPSS.

Teaching methods

Distance Synchronous Lessons

Assessment methods

Written examination: Final Report

Students will be evaluated during the workshop (active participation and carrying out exercises) and a final test will be scheduled. It consist in writing a short report in order to verify the acquisition of knowledge and skills related to the use of the sources, the construction of socio-spatial indicators and the secondary analysis of ecological data.

Textbooks and Reading Materials

- Boffi M. (2004), *Scienza dell'informazione geografica. Introduzione ai GIS*, Bologna: Zanichelli.
 - Daconto L. (2017), *Città e accessibilità e alla risorse alimentari. Una ricerca sugli anziani a Milano*, Milano: Franco Angeli
 - Pintaldi F. (2009), *Come si analizzano i dati territoriali*, Milano: FrancoAngeli
 - Zajczyk F. (1997), *Il mondo degli indicatori sociali. Una guida alla ricerca sulla qualità della vita*, Roma: NIS.
-