



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Laboratory 2

2021-3-E4001N102

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#### 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.
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