



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Laboratory 2

2223-3-E4001N102

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#### Learning objectives

To provide students with the main methodological knowledge of using data 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**

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

## **Teaching methods**

Classes and exercises

## **Assessment methods**

Final report

Students will be evaluated during the laboratory (active participation and performance of exercises) and a final written final, consisting of the writing of a short paper to test the acquisition of knowledge and skills related to the use of sources, construction of socio-territorial indicators, secondary analysis and cartographic representation of data.

## **Textbooks and Reading Materials**

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

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