

COURSE TITLE:

**DATA IN PUBLIC POLICIES**

The number of classes: 50/20

Value expressed in ECTS points: 5/2

## **Description:**

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Data-based decision-making is the basis of any good decision-making. Therefore, understanding the data is a necessary condition for the application of this principle. Within this course, participants will, on the one hand, get acquainted with the types of data as well as criteria for assessing their quality, and on the other hand will gain knowledge about different data sources and possibilities of their use in different policy areas. They will also be able to independently find data in various formats and prepare them for use using the appropriate software. The way of working will be largely harmonized with the prior knowledge that the participants have, as well as their interests and needs.



## Course content:

- Data types: one-dimensional, multidimensional, time, panel;
- Data and measurement scales: nominal, ordinal, interval and ratio data.
- Methodologies of data collection;
- Data presentation: tabulation, basic indicators (centeredness measures and dispersal measures), visualizations;
- Data quality: data pre-processing, missing data and outliers;
- Data sources: official statistics, administrative data, open data, surveys...;
- Census vs. sample: advantages and disadvantages of census and different types of samples (probable vs. improbable);
- Data producers in the Republic of Serbia: the Statistical Office of the Republic of Serbia, the National Bank, the Serbian Business Registers Agency (SBRA), ministries, local self-governments, and other state institutions;
- International data producers: EUROSTAT, World Bank, OECD, UN and others.

## Who is it for?

Everyone who wants to understand the sources and importance of different data in decision making.

## Prerequisites required:

Basic digital literacy (using the Internet and the basics of Excel).

## Implementers:

**Course leaders:** dr. Zorana Lužanin, dr. Andreja Tepavčević

**Guest lecturers:** Dijana Ilić Zogović, Svetlana Aksentijević

