

COURSE TITLE:

**QUANTITATIVE METHODS IN PUBLIC POLICIES**

The number of classes: 50/20

Value expressed in ECTS points: 5/2

**Description:**

The availability of a large amount of data raises the question of how to draw a relevant conclusion from them. Various statistical analyses, primarily of numerical data, make up this course. Through relevant examples in the field of public data, students will master the concepts of correlation and causality of phenomena, will be able to independently with the use of appropriate software conduct basic factor and regression analysis, as well as to present the results and conclusions in a clear and concise manner. In addition, participants will understand on the one hand how good analysis and visualization enable the understanding of the observed phenomenon, and on the other hand they will be able to recognize the dangers lurking from wrong analyses or conclusions. 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:

- Basic statistical indicators of numerical data (centeredness measures and scattering measures);
- Data visualization;
- Correlation and causality;
- Factor analysis;
- Single and multiple regression analysis;
- Cluster analysis.

## Who is it for?

Students who want to get acquainted and master the basic concepts of qualitative analysis.

## Prerequisites required:

Content of the course Data in public policies and basic knowledge of Excel.

## Implementers:

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

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

