



**COURSE TITLE – Introduction to R**

**LANGUAGE:** English

**LECTURERS**

Bojana Milošević, Assistant Professor  
*University of Belgrade - Faculty of Mathematics*

Lazar Čolić, Teaching Assistant  
*University of Belgrade - Faculty of Economics*

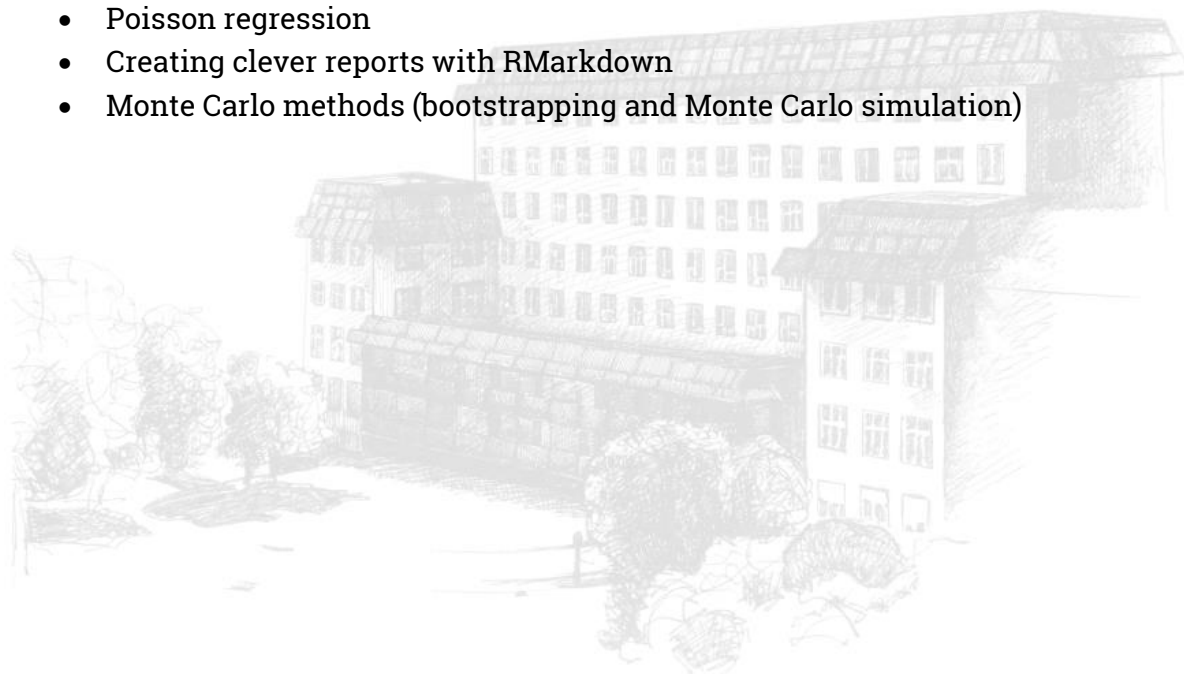
Mladen Stamenković, Assistant Professor  
*University of Belgrade - Faculty of Economics*

**AIMS OF THE COURSE**

- Learn how R works and get to know R environment
- How to apply R for a variety of statistical analysis
- Present your results in a more illustrious way

**COURSE TOPICS**

- An introduction to the R environment
- Data generation and manipulation (data import from multiple sources, summaries and fancy plots)
- Inference in various statistical models (estimation, interpretation and prediction)
- Simple and multivariate regression
- Logistic regression and classification
- Poisson regression
- Creating clever reports with RMarkdown
- Monte Carlo methods (bootstrapping and Monte Carlo simulation)





## GAINED SKILLS

After following this course, you will:

- Get familiar with R environment
- Learn how to handle different data structures
- Find appropriate statistical model for underlying data
- Interpret results adequately
- Present results graphically

