

ECONOMETRICS 2 (5 ECTS)

The course provides an introduction to the theory and practice of econometric analysis of time series data. Students will gain knowledge in regression analysis of time series data, and study problems that arise when analysing time series data by means of regression models. The goal of this course is to understand the time evolution of the most relevant economic time series (GDP, unemployment, inflation, interest rates, exchange rates, financial asset prices) and the analysis of the dynamic causal relationships existing among those variables in order to perform forecasts and economic policy analysis. Specifically, primary goals for students are to correctly interpret regression results of time series data, justify and critique specific techniques used in econometric inference. The teaching methodology minimizes the formal aspects, focusing on the intuitive discussion of concepts and intensive work with real data sets, aiming that the student reaches a practical mastering of econometrics with time series economic data. Students will be acquainted with modern software tools to analyze real world data, draw inference, and solve computationally demanding problems.

