

Course Descriptions Bachelor 2021-2022

Course Title Introduction to Software in Econometrics

Course Code EBS2072

ECTS Credits 4,0

Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
3	10-1-2022	21-1-2022					

Level Advanced

Coordinator Nalan Bastürk For more information: n.basturk@maastrichtuniversity.nl

Language of instruction English

Goals

1. The student will learn to model simple econometric problems in the Bayesian framework.
2. The student will learn how to implement simulation-based Bayesian inference procedures for standard econometric models in the statistical programming software R and how to interpret estimation results.
3. The student will learn how to assess the appropriateness and accuracy of different simulation methods in different examples.

Description

Students will learn basic principles of Bayesian inference in econometrics focusing on computational techniques. They will acquire the skills to implement simulation based Bayesian inference procedures for standard econometric models in the statistical programming software R. Being able to implement and apply simulation based statistical methods is fundamental for the application of Bayesian methods to econometric problems.

Literature

Prerequisites Econometric Methods 1 (EBC2111)

Keywords

Teaching methods

Assessment methods

Evaluation in previous academic year For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Bachelor Econometrics and Operations Research Year 3 Elective Skill(s)