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Fachgebiet Makroökonomik

UNIVERSITÄT OSNABRÜCK

Information about the course

Applied Data Science in the Field of Macroeconomics

(Seminar and exercise)

Summer term 2024

Course Description

The ability to extract insights from data and present them in an appealing way is essential for a course of study and is also increasingly sought after by potential employers. In this Data Science seminar, participants learn how to prepare and analyze a data set and present the results of the analysis in the form of an aesthetic computational "notebook". The implementation is done in the programming language R, the basics of which are taught at the beginning of the seminar - so no programming knowledge is required for participation. As an exam performance, students will create a notebook on a self-selected question from the topic area of macroeconomics, which will be presented to the course. We will also show how to publish the document online, so that participants can link the notebook e.g. in their CV.

Registration

Binding registration for the course will take place during the regular registration period via HISinOne.

Please note that the number of participants for the seminar is limited to 24 students. Preference will be given to students of economics, but we also invite students of business administration and business information systems to apply. Further selection of participants will be based on their transcript of records. Please send your transcript to

sekretariat.makro@uni-osnabrueck.de by April 3 2024 until 12:00 P.M.

Official registration (and deregistration) for the course on HISinOne is possible between April 15 and May 1.

Schedule

An introductory session will be held on April 2 at 2:30 P.M. in the BBB room of the Stud-IP event to explain the content and formal requirements of the course.

Then, on April 11, 12, 15, and 16, we will start with a crash course aimed at teaching the basics of the R programming language. The course will again be held online and will run from 9 a.m. to 4 P.M..

With your newfound knowledge, you will then work independently to develop your notebook, which will be presented during the week of June 24-28.