

Applied Econometrics - Term Paper instructions 2022

Topic

The suggested topic of the term paper is the exchange rate, interest rate, and stock market volatility using GARCH and TARCH models. However, you may choose any topic after consulting with the lecturer. In the case of the suggested topic, the lecturer provides the data for you (these are available on the course page in the SIS). Otherwise, you must get the data by yourself.

Working in teams of 2 students

You are supposed to work in **teams of 2 members**. The team cannot consist of more than 2 students. In case you cannot find any colleague to form a team, you can write an email to jiri.kukacka@fsv.cuni.cz, and we will try to match you with somebody in the same situation.

Online registration (with a deadline)

You are required to register your data for the term paper online. Visit <http://tinyurl.com/ae-tpregistration> and follow the instructions. Once you finish the registration procedure, you should check your registration (your names, the chosen dataset, etc.) here: <https://tinyurl.com/ae-tpresponses>. The **deadline for registration is April 30, 2022**. If you register late, you lose 10% of your term paper grade.

You may find the data for the term paper on the course page in the SIS in .csv files (data_term_paper_AE_2022.zip). There are 45 time series in total from which you can choose the preferred one. Please **check in advance whether the particular time series is still available**: <https://tinyurl.com/ae-tpresponses> (the form saves all registrations in real-time). If another team has already chosen the dataset you prefer, you have to select a different one. The use of own data is also possible but must be approved by one of the lecturers in advance.

The structure of the term paper

The term paper should have a standard structure as an article in a refereed economic journal (introduction, data description, empirical methodology, results, conclusions, an appendix with additional results). However, the length of your paper is less important; it can vary between 5-15 pages. The content of the term paper is decisive; it is crucial to demonstrate that you understand the econometric technique, and you are able to apply it.

Software and data availability

You may use whatever software you prefer. In case you use your data, please attach them as an Excel file so that the results can eventually be replicated.

Deadline and submission

The finished paper **must be submitted by May 15, 2022, 23:59:59** at the latest. Only one team member is supposed to submit the paper with the names and email addresses of both team members on the first page of the document. Submit the paper electronically in the **.pdf format (5 MB max)** via the "Study group roster" (JEM 116

- Practicals) app in the SIS. Name the file '**Student1surname_Student2surname.pdf**', please. In case you face any technical problem while submitting the paper, please contact Jiri Kukacka: jiri.kukacka@fsv.cuni.cz.

Grading

You may obtain **up to 40%** from the term paper for your final Applied Econometrics grade. Reminder: if you register after April 30, 2022, you lose 10% from your term paper grade (80% in the case of late submission of your final paper). Points obtained for the paper and short feedback will be announced individually via the "Study group roster" app in the SIS.