

Spring School

Econometric analysis of farmers' adoption decisions of sustainable agricultural practices: Part II

Westminster International University in Tashkent (WIUT)

7–11 April 2025, Tashkent

Background

The Spring School is designed to provide PhD students, researchers, and analysts with further training in the quantitative analysis of farm survey data using the statistical software [Stata](#). Building on the content from the [Autumn School held at WIUT on 7–11 October 2024](#), it is tailored to provide training on Ordered/Multivariate Probit, Propensity Score Matching, and Marginal Treatment Effect models. The lectures will incorporate exemplary articles from agricultural economics journals, providing hands-on exercises in data analysis and interpretation of estimation results. These exercises will be structured as group work, allowing participants to apply the quantitative methods they learn.

This Spring School is part of the [UzFarmBarometer](#) project, a collaborative initiative between the Center for Policy Research and Outreach (CPRO) of WIUT and the Leibniz Institute of Agricultural Development in Transition Economies (IAMO). The project aims to understand the motivations and constraints faced by farmers in Uzbekistan, with the goal of developing strategies to encourage voluntary adoption of sustainable agricultural practices (SAP). A key component of the project is to collect and analyze high-quality, up-to-date farm-level data, and to disseminate theories and methods for enhancing research capabilities in agricultural economics.

Instructors

[Dr. Nodir Djanibekov](#) and [Dr. Abdusame Tadjiev](#) (both from IAMO)

Requirements to participants

The Spring School brings PhD student or researcher interested in econometric analysis of farm survey data. Prospective applicants should be aware of the following:

- The Spring School is a follow-up session and builds up on the knowledge taught at the [Autumn School](#). Thus, the participants are expected to have a basic user knowledge of Stata and its application with OLS and Probit models, as well as average treatment effects.
- The program requires in-person participation from 10:00 AM to 5:00 PM each day
- Preference will be given to applicants who are either current PhD students or are working on topics related to economic analysis of the agricultural or farming sector
- A working knowledge of English is required as exercise materials will be in English
- While experience in economics, agricultural economics, or agricultural policy analysis is preferable, knowledge of Stata software or econometrics is not required
- Participants must bring their own laptops with Microsoft Word, Excel, and PowerPoint installed

- Participation in the Spring School is free of charge. However, participants are responsible for covering their own travel, accommodation, and meal expenses
- Upon successful completion of the program, participants will receive a certificate of attendance.
- The maximum number of participants is 15. The preference will be given to the participants of the Autumn School.

Application

Interested participants are requested to send the following documents in pdf format via email to djanibekov@iamo.de with '*WIUT/IAMO Spring School Application*' in the subject line:

1. A one-page motivation letter describing applicant's field of expertise and research, and explaining the reasons of interest in participating in the Autumn School
2. (if applicable) 1-page description of own PhD research indicating research topic, questions, applied theory, data and methodology
3. Curriculum vitae on two pages
4. English language certificate, if available (IELTS, TOEFL).
5. Proof of basic user knowledge of Stata, OLS and Probit models. For instance, this proof can be a certificate from attendance of relevant econometric course(s). If a certificate is not available, the knowledge of these methods should be stated in the motivation letter.

The application deadline of all documents is **31 January 2025**.

Participants will be selected based on their application documents. The selection results will be sent via email by **15 February 2025**.

Important deadlines

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| 31 January 2025: | Submission of application documents |
| 15 February 2025: | Notification of acceptance from the course organizers |
| 22 February 2025: | Confirmation of participation by accepted participants |
| 7–11 April 2025: | Spring School at WIUT |

Venue

Shahrisabz Building (ShB) building of the Westminster International University in Tashkent (WIUT), New Building.

Contact

Nodir Djanibekov || Email: djanibekov@iamo.de

Tentative programme

Monday, 7 April

- 10:00 – 10:30 Opening and introduction to the course content
10:30 – 13:00 Recap of the content from the Autumn School 2024
&
14:00 – 15:00
 - Basic Stata commands
 - Summary statistics
 - t-test (mean difference)
 - OLS and Probit models and average treatment effects15:00 – 17:00 *Group assignment 1: Exercise with Probit model*
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Tuesday, 8 April

- 10:00 – 10:30 Ordered Probit model
10:30 – 13:00 Introduction to Ordered/Multivariate Probit models in Stata
 - Basic commands
 - Model diagnostics
 - Interpretation of results14:00 – 17:00 *Group assignment 2: Running Ordered/Multivariate Probit models and interpreting estimation results*
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Wednesday, 9 April

- 10:00 – 10:45 Propensity Score Matching (PSM) model
11:00 – 13:00 Introduction to PSM model in Stata
 - Basic commands
 - Model diagnostics
 - Interpretation of results14:00 – 17:00 *Group assignment 3: Running PSM model and interpreting estimation results*
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Thursday, 10 April

- 10:00 – 10:45 Marginal Treatment Effect (MTE) model
11:00 – 13:00 MTE model in Stata
 - Basic commands
 - Model diagnostics
 - Interpretation of results14:00 – 17:00 *Group assignment 4: Running MTE model and interpreting estimation results*
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Friday, 11 April

- 10:00 – 11:15 Marginal Treatment Effect (MTE) model
11:30 – 13:00 Interpretation of treatment effects
14:00 – 17:00 *Group assignment 5: Running MTE model and interpreting estimation results*
17:00 Conclusion
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