

# Certificate of Participation

## GESIS Spring Seminar 2025 – Experimental Designs in the Social and Behavioral Sciences

### Multifactorial Survey Experiments

This is to certify that

**Karolina Nugumanova**

participated in the above named course, part of the “GESIS Spring Seminar”, which took place in Cologne. The GESIS Spring Seminar is a training event for social scientists interested in advanced techniques of data analysis and in the application of these techniques to data.

The course was held over 5 days, consisting of thirty hours of onsite instruction and practical exercises.

*Lecturers:* Prof. Dr. Ulf Liebe (University of Warwick)  
Dr. Jürgen Meyerhoff (Berlin School of Economics and Law)

*Date:* 31.03. – 04.04.2025

*Course content:*

- Theoretical foundations of multifactorial survey experiments (MFSEs, discrete choice, conjoint survey and factorial survey experiments)
- Experimental and survey design of MFSEs
- Data analysis of MFSEs
- Interpretation of regression model output

Cologne, 04.04.2025



Loretta Langendörfer M.A.  
(Administrative Coordinator)