



NARODOWA AGENCJA
WYMIANY AKADEMICKIEJ

Call for applications

SUMMER SCHOOL ON GEOMETRIC DATA ANALYSIS (GDA): Statistical Foundations and Practical Applications Dates: September 26-30, 2022 (Monday-Friday)

University of Warsaw, Warsaw, Poland

Venue: 5/7 Stawki Street (ulica Stawki 5/7), 00-183 Warsaw (Warszawa), room 94

The summer school is organized by the Robert Zajonc Institute for Social Studies (ISS), University of Warsaw in the framework of the project "*Social Space, Fields and Relationality (SSFR) in Contemporary and Historical Social Analysis. Research Network*" funded by the National Academic Exchange Agency (NAWA), Poland

Teaching faculty:

Philippe **Bonnet** (Université René Descartes, Paris)

Hanna **Dębska** (Pedagogical University of Kraków & University of Warsaw)

Frédéric **Lebaron** (ENS Cachan-Saclay and UMR CNRS-UVSQ 8085 lab. Printemps)

Brigitte **Le Roux** (CEVIPOF/CNRS and Université René Descartes, Paris)

Andreas **Schmitz** (University of Bonn & GESIS Germany)

Tomasz **Warczok** (University of Warsaw)

The summer school offers a practice-oriented training in the methods and the methodology of Geometric Data Analysis (GDA). In light of an increasing interest in field analysis not exclusively but closely linked to the works of Pierre Bourdieu and his use of Multiple Correspondence Analysis, researchers have increasingly come to recognize the analytical potential of GDA. As an approach that combines statistical and interpretive analyses, GDA is also associated with endeavors in sociology, and neighboring disciplines that combine quantitative and visual instruments with qualitative and ethnographic methods to better explore data and depict research findings. On both counts, GDA methods have been successfully used on biographical, textual, and survey data in a wide array of research areas, including intra- and inter-organizational research, inequality, educational and elite research, as well as research on processes of cultural and social change such as trans- and internationalization.

The school program will include an accessible presentation of the mathematical basis of GDA, followed by basic techniques such as simple and multiple correspondence analysis (in different variations), structured data analysis, and cluster analysis. Strategies for interpreting results, pitfalls a researcher may encounter, data manipulation, analysis, and visualization operations will also be presented. The school program (5 days) includes morning lectures and afternoon lab exercise sessions (including familiarization with SPAD program, the best statistical tool for GDA studies) as well sociology lectures presenting in-depth applications of the method. Each participant will be able to provide their own data and, with the support of the instructors, work on it in the practical SPAD classes. The language of instruction will be English.

TARGET AUDIENCE: Doctoral students and young researchers (e.g., those planning a Ph.D.) in social sciences interested in GDA and its applications in sociology. Participation in the workshop requires basic knowledge of statistics (descriptive statistics and statistical inference). The number of places in summer school is limited to 20.

APPLICATION AND CONDITIONS OF PARTICIPATION: Applications should include an academic CV (about 2-3 pages, including statistical education level) and a letter of introduction containing primarily a description of the applicant's research problem (or project) and possibly other reasons why you are interested in attending the school (up to 500 words). Applications consisting of these two documents (in pdf or word) are accepted by email to the following address hannadebska.up@gmail.com . The deadline for proposals is **May 29th, 2022**. Applicants will be informed about the results of the selection process no later than June 6th, 2022. The number of places in summer school is limited to 20.

The summer school is free of charge, but participants will need to arrange for their own travel, accommodation and sustenance as no expenses can be reimbursed.

CERTIFICATION: A certificate of attendance will be delivered to each participant who completed the program.

Structure:

The summer school will last for five days starting on Monday and ending on Friday evening. Each day will have a similar schedule that will look as follows:

- 10.00-12.00 - Statistics lecture by Brigitte Le Roux
- 12.00-13.00 - Lunch break
- 13.30-15.00 - Exercise session (Lab); moderated by Philippe Bonnet
- 15:00-15:30 - Coffee break
- 15:30-17:00 - Sociology lecture

Sociology lectures will be given by the following lecturers:

Frédéric Lebaron (2), Andreas Schmitz (1), Tomasz Warczok (1), Hanna Dębska (1)

In addition, there will be open sessions on Tuesday (27th), Wednesday (28th), Thursday (28th):
17:00-18:00 - Discussion of participants' individual projects with lecturers)

Additional events:

Monday (26th): 18:30 - Reception (i.e. wine and snacks)

Friday (30th): 17:00 Evaluation of the workshop and conclusion: Hanna Dębska & Tomasz Warczok

Scientific committee of the Summer School:

Hanna Dębska, Andreas Schmitz, Tomasz Warczok and Tomasz Zarycki (Head of the "Social Space, Fields and Relationality (SSFR) in Contemporary and Historical Social Analysis. Research Network" Project, Deputy Director of ISS t.zarycki@uw.edu.pl).

Summer School organizers: Hanna Dębska (hannadebska.up@gmail.com) Tomasz Warczok (t.warczok@uw.edu.pl)

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The exact schedule will be announced later.

ORGANIZERS RESERVE THE RIGHT TO MAKE CHANGES