

EDUCATION

University of Bern

Ph.D. in Statistics, Advisors: David Ginsbourger, Ben Spycher

Bern, Switzerland

2022–Current

Université Paris-Saclay

Master of Statistics

Paris, France

2020–2021

- Lectures: Statistics and Optimization, Multivariate Statistics, High Dimensional Statistics, Random Graphs, Statistical Learning Theory.

ISAE-Supaero

Master of Engineering, Major in Data Science and Energy

Toulouse, France

2019–2022

Lycée Kléber

Preparatory Classes MPSI/MP, Mathematics and Physics

Strasbourg, France

2015–2018

EXPERIENCE

Swissquote Bank SA

Intern in the Quantitative Asset Management department

Gland, Switzerland

April–Sept. 2022

- Implementation of systematic trading strategies based on value factors.

ABB Corporate Research Center

Research intern

Baden, Switzerland

April–Sept. 2021

- Statistical analysis of electrical consumption patterns.

PUBLICATIONS

- [1] A. Faul, D. Ginsbourger, and B. Spycher, “Easy conditioning far beyond gaussian”, *arXiv preprint arXiv:2409.16003*, 2026, submitted.
- [2] A. Faul, D. Ginsbourger, B. Spycher, and P. Stute, “Copula-based synthetic data generation in medicine”, 2026, in preparation.
- [3] A. Faul, X. Zhou, O. Raisa, M. Van der Schaar, and C. Tekin, “Modelling complex tabular datasets with a mixture of diverse generative models”, 2026, submitted.
- [4] A. Mühlemann, P. Stange, A. Faul, S. Lozza-Fiacco, R. Iskandar, M. Moraru, S. Theis, P. Stute, B. D. Spycher, and D. Ginsbourger, “Comparing imputation approaches to handle systematically missing inputs in risk calculators”, *PLOS Digital Health*, vol. 4, no. 1, e0000712, 2025.

TEACHING

- **Teaching Assistant** at the University Of Bern 2022-Present
Courses: Spatial Statistics, Time Series, Non-Life Insurance, CAS in Statistics and Data Science

SKILLS

- **Programming** Very good mastery of R and Python.
- **Mathematics, Statistics, Machine Learning**
- **Data Analysis:** Proficiency with R and Python
- **Presenting Results:** Through scientific publications, posters and talks.

LANGUAGES

- **French:** native
- **English:** bilingual
- **German:** advanced

SERVICE

Master Thesis Supervision

Second supervisor, project on Sliced Wasserstein distance for classification

Sept.2025-current

Member of the organizing committee of scientific conferences

Lifting Inference with Kernel Embeddings, June 26-30 2023

Data Science for the Sciences, April 11-12 2024

OTHER PUBLICATIONS

Medical Protocol

P. Wyss, D. Bower, A. Mühlemann, A. Faul, M. Moraru, B. Spycher, D. Ginsbourger, & P. Stute, “*Preparation of a 6-month prospective observational study to compare and predict respiratory tract infections in postmenopausal women with and without hormone replacement therapy*”, 2024.

Outreach

D. Ginsbourger, A. Faul, A. Mühlemann, P. Stute, E. Pavicic, D. Bower & B. Spycher, “*Investigating cardiovascular and respiratory infection risks across menopause using multi-modal cohort data.*”, 2025, Spread Newsletter, University of Bern

SELECTED SCIENTIFIC PRESENTATIONS

- **Oral Presentation** April 2026
GdR MASCOT-NUM Annual Meeting, Rennes, France
- **Seminar Talk** June 2025
Programme Representing, calibrating leveraging prediction uncertainty from statistics to machine learning, Cambridge, England
- **Oral Presentation** October 2025
ETICS Summer School, Evian-les-bains, France
- **Poster Presentation** June 2024
Swiss Reproducibility Conference, Zurich, Switzerland