Lukas **Graz**

Statistical Consultant

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Work Experience

ETH Zurich
Switzerland

Statistical Consultant at the Seminar for Statistics
November 2022 — January 2025

- Consulted over 200 clients on which statistical methods to use for their research
- Tutor for the 'Diploma of Advanced Studies in Statistics'
- Scientific Managing Director of the 'Zurich R Courses'
- Lecturer for the 'Zurich R Courses'
- Investigated various statistical methods using simulations. Some are available at lgraz.com
- Collaborating with the WSL institute – Modelling the restorative effect of breaks in nature using personal and geographic attributes utilizing SEMs

Tanzquotient, VSETH Student dancing association
Switzerland

Event manager
November 2023 — Present

- Coordinating a team for the organization of weekly dance events for students

ETH Zurich
Switzerland

Teaching Assistant
September 2020 — December 2020

- Teaching 'Analysis I' to math students

Instytut Świętej Rodziny
Poland

Youth Activity Coordination
2016 — 2019

- Voluntary service at 4 summer camps, each lasting 11 days

Education

ETH Zurich
Switzerland

MSc Statistics
2021 — 2022

- Semester project: "Beta Regression" supervised by Dr. Markus Kalisch. Critically compare Beta Regression to the GLM-framework w.r.t. efficiency, consistency and generalizability.
- Thesis: "Interpolation and Correction of Multispectral Satellite Image Time Series" supervised by Prof. Dr. Nicolai Meinshausen and Dr. Gregor Perich. Developed a correction method for satellite image time series resulting in a R-package available at github.com/LGraz/CorrectTimeSeries

ETH Zurich
Switzerland

BSc Mathematics
2017 — 2021

- Exchange Semester at the National University of Singapore
- Thesis: "Improvement of the Algorithms for the Medcouple and the Adjusted Outlyingness" supervised by Prof. Dr. Martin Maechler. Analysing issues of those two mathematically robust estimators resulting in improving the R-implementations numerically and defining (+reducing) the space where the Adjusted Outlyingness breaks down.

Otto-Hahn-Gymnasium Ludwigsburg
Germany

General University Entrance Qualification
2009 — 2017

Skills

Programming and IT

- R: My daily driver. Next to base-R, I use the packages: 'lmerTest' (+'lme4'), 'glmmTMB', 'georob', 'brms', 'mgcv', 'simr' and 'lavaan'
- Python: Used for my Master Thesis
- Linux and Bash: My daily driver since 2021
- C++: Taught me the basics of programming in 2017
- Matlab: used for the lectures 'Numerical Analysis I and II'
- LaTeX and (R)Markdown: used for all my documents and presentations (including this CV)
- Git: used for cross-device syncing, version control, publishing and collaboration
- Docker: used to deploy 'paperless-ngx' locally

LANGUAGES

- German (mother tongue)
- Polish (mother tongue)
- English (C1)
- French (A2)

References

Dr. Lukas Meier

SENIOR SCIENTIST, SEMINAR FOR STATISTICS, ETH ZURICH

- Current direct supervisor
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- E-mail: lukas.meier@stat.math.ethz.ch

Dr. Markus Kalisch

SENIOR SCIENTIST, SEMINAR FOR STATISTICS, ETH ZURICH

- Current direct supervisor
- Phone: +41 44 632 3435
- E-mail: markus.kalisch@stat.math.ethz.ch

Dr. Gregor Perich

CEO & CO-FOUNDER AT TERENSIS | PIONEER FELLOW ETH ZURICH

- Master's thesis supervisor
- Phone: +41 79 487 39 44
- E-mail: gregor.perich@usys.ethz.ch

Prof. em. Dr. Martin Mächler

PROFESSOR EMERITUS, SEMINAR FOR STATISTICS, ETH ZURICH

- Bachelor thesis supervisor and former colleague
- Phone: +41 44 632 3408
- E-mail: maechler@stat.math.ethz.ch