

ANYA FRIES

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Education

ETH Zürich, Switzerland <i>PhD in Statistics</i>	2024 – present
Stanford University, USA <i>MS Management Science and Engineering (Computational Social Science Track)</i>	2021 – 2023 GPA: 4.07/4
École Polytechnique, France <i>BSc Double Major in Mathematics and Computer Science</i>	2018 – 2021 GPA: 4.22/4
Roedean High School, South Africa <i>IEB Matric Certificate</i>	2013 – 2017 Grade: 94%

Experience

The Han Lab, Stanford University School of Medicine <i>Research Assistant, supervised by Prof. Summer Han</i>	Sep 2021 – Jan 2024 Palo Alto, USA
Daily Harvest <i>Data Science Intern</i>	Jun 2022 – Aug 2022 New York, USA
Centre of Applied Mathematics (CMAP), École Polytechnique <i>Research Intern, supervised by Prof. Giovanni Conforti</i>	Jan 2021 – Mar 2021 Palaiseau, France
Global Change Institute <i>Research Intern, supervised by Prof. Robert J. Scholes</i>	Jul 2020 – Aug 2020 Johannesburg, South Africa

Publications

- Anya Fries**, Jacob A. Nelson, Martin Jung, Markus Reichstein, Jonas Peters. “FLUXtrapolation: A benchmark on extrapolating ecosystem fluxes.” *arXiv preprint arXiv:2605.19812*, 2026. <https://arxiv.org/abs/2605.19812>
- Benedikt Seiter, **Anya Fries**, Julius von Kügelgen, Jonas Peters. “Anchor PCA.” *arXiv preprint arXiv:2606.06233*, 2026. <https://doi.org/10.48550/arXiv.2606.06233>
- Anya Fries**, Markus Reichstein, David Blei, Jonas Peters. “Worst-case low-rank approximations.” *arXiv preprint arXiv:2603.11304*, 2026. <https://doi.org/10.48550/arXiv.2603.11304>
- Francesco Freni, **Anya Fries**, Linus Kühne, Markus Reichstein, Jonas Peters. “Maximum Risk Minimization with Random Forests.” *arXiv preprint arXiv:2512.10445*, 2025. <https://doi.org/10.48550/arXiv.2512.10445>
- Anya Fries***, Eunji Choi*, Summer S. Han. “Penalized landmark supermodels (penLM) for dynamic prediction for time-to-event outcomes in high-dimensional data.” *BMC Medical Research Methodology*, 25, 22, 2025. <https://doi.org/10.1186/s12874-024-02418-9>
- Anya Fries***, Eunji Choi*, Julie T. Wu, Justin H. Lee, Victoria Y. Ding, Robert J. Huang, Su-Ying Liang, Heather A. Wakelee, Lynne R. Wilkens, Iona Cheng, Summer S. Han. “Software Application Profile: dynamicLM—a tool for performing dynamic risk prediction using a landmark supermodel for survival data under competing risks.” *International Journal of Epidemiology*, 52(6), 1984–1989, 2023. <https://doi.org/10.1093/ije/dyad122>

Awards

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| • Student Paper Award by the American Statistical Association (ASA) Section on Health Policy Statistics | 2024 |
| • Best Results (valedictorian) in the BSc Mathematics and Computer Science at École Polytechnique | 2021 |
| • Excellence Scholarship from the École Polytechnique Foundation | 2018 – 2021 |
| • Top 15 in the South African English Olympiad | 2017 |

Teaching

ETH Zürich	
• Statistics I	FS2026
• Student Seminar in Statistics: Representation Learning	HS2025
• Student Seminar in Statistics: Inference in Some Non-Standard Regression Problems	FS2025
• Using R for Data Analysis and Graphics	HS2024