Curriculum Vitae

Daniel Fridljand
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Education

Yale Univ. Aug 2022 - May 2023	**Study-abroad year (exchange student)** Applied Mathematics Academic advisor: Prof. Dr. Smita Krishnaswamy, Prof. Dr. Yuval Kluger Graduate-level courses in Theory and Application of Deep Learning, Statistical Methods in Human Genetics, Molecular and Biochemical Principles of Gene Function, Geometric and Topological Methods in Machine Learning, Differential Topology, Stochastic Models and Inference for the Biomedical and Social Sciences
Univ. of **Heidelberg** Oct 2020 - May 2023	**M.Sc. (Mathematics),** Grade average 1.0 Faculty of Mathematics and Computer Science Thesis advisor: Dr. Wolfgang Huber (EMBL), Prof. Dr. Jan Johannes Thesis title: *Better multiple Testing: Using multivariate co-data for hypotheses* (Aug 2022, grade 1.0)
Hebrew Univ. of **Jerusalem** Sep 2019 - Mar 2020	**Study-abroad semester (exchange student)** Einstein Institute of Mathematics Graduate-level courses in Functional Analysis, Algebraic Combinatorics, and Quantitative Models
Univ. of **Heidelberg** Oct 2017 - Sep 2020	**B.Sc. (Mathematics),** Grade average 1.4 Faculty of Mathematics and Computer Science Major in Mathematics Minor in Computer Science Thesis advisor: Prof. Dr. Jan Johannes Thesis title: *Online estimation of the geometric median in Hilbert spaces* (Sep 2020, grade 1.0)
Karl–Friedrich-Gymnasium **Mannheim** Sep 2009 - Jun 2017	**Abitur,** Grade 1.0 (A* GCSE)

Additional

Univ. of **Mannheim** Aug 2016 - Dec 2016	Enrolled in Applied Informatic next to high school at the Department of Business Informatic (Grade: 2.0)

Research Appointments

Stanford University, School of Medicine, Primary Care and Population Health July 2023 – present	**Research assistant,** PI: Prof. Pascal Geldsetzer MBChB ScD MPH (Stanford University). *Variation and time trends in mortality attributable to particulate matter exposure by race ethnicity, education, and urbanicity in the United States.* Geldsetzer P. (joint first author), **Fridljand D.** (joint first author), Kiang M., Bendavid E., Heft-Neal S., Burke M., Benmarhnia T. Expected publication in Science Advances, 2023. Key responsibilities: development of methodology and the modeling approach, data curation/governance, the implementation (statistical programming in R), drafting the initial manuscript and the technical supplement.
European Molecular Biology Laboratory (**EMBL**) Oct 2021 – May 2022	**Research assistant**, PI: Dr. Wolfgang Huber (EMBL). Extension of a weighted multiple testing procedure (Ignatiadis and Huber, 2021) to multivariate covariates via a random forest approach. Working title: *Better multiple Testing: Using multivariate co-data for hypothesis weighting.* **Fridljand D.,** Ignatiadis N., Huber W.
Heidelberg Institute of Global Health (**HIGH** Oct 2020 – Sep 2021	**Research assistant,** PI: Prof. Pascal Geldsetzer MBChB ScD MPH (Stanford University).

Professional Service

Journal peer review	Bioinformatics Advances, Cell Biology

Awards and Fellowships

Sep 2022 – May 2023	**Scholarship,** German Academic Exchange Service (DAAD) Support for my study abroad at Yale univ.
Oct 2021 - present	**Young Researchers Convent, Cluster of Excellence STRUCTURES** Part of Germany's Excellence Strategy: A unifying approach to emergent phenomena in the physical world, mathematics, and complex data.
Aug 2021 - Nov 2021	**Baden-Württemberg Scholarship** I was awarded the scholarship for my exchange semester at the University of Sydney, which was eventually cancelled because of the Covid-19 pandemic.
Sep 2019	**PROMOS Scholarship,** German Academic Exchange Service (DAAD) The scholarship supports study abroad stays and language courses. In Jerusalem I took an intensive one-month Hebrew course.
Oct 2017 - Aug 2022	**Merit Scholarship from Gerhard C. Starck Foundation** This scholarship is awarded to gifted Jewish students in German-speaking countries who show academic excellence.

Teaching

Springer Nature Aug 2019	Created a set of mathematical exams for Molecular Biology students. Specific focus on statistics in the laboratory.

Studybees	Tutoring a total of 10 courses for students of Mathematics and Computer
Apr 2018 - Aug 2019	science Department, business school at University of Mannheim.

Talks and Presentations

Better multiple Testing: Using multivariate co-data for hypotheses

Feb 15, 2023	Applied Mathematics Program
	Yale University.
Dec 16, 2022	Lab meeting of Mike Love (UNC-Chapel Hill)
	Virtual presentation.
Jun 29, 2022	Workshop on adaptive designs and multiple testing procedures
	Institute of Medical Biometry, Heidelberg.
Jun 21, 2022	Summer school: Statistical Data Analysis for Genome-Scale Biology
	Bressanone-Brixen, Italy.
Jun 1, 2022	Young Statisticians Lecture Series: Modern Statistical Methods for Life Sciences
	German Region of the International Biometric Society, Virtual.
Mar 29, 2022	DAGStat Conference (German Statistical Society)
	Bioinformatics and Systems Biology session
	University of Hamburg.
Jan 28, 2022	Snapshots of Theory@EMBL Mini-Symposium
	Virtual presentation.