Daniel Leibovitz

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Employment & Research

2022–2023	**Principal Biostatistician**, *Incyte*, Switzerland.
	R&D for Company-wide Statistical Platform. Statistics for Clinical Trials. Development of R packages for statistical analysis.
2021–2022	**Graduate Biostatistics Intern**, *Bristol Myers Squibb*, Switzerland.
	Applied research on crossover in Randomized Controlled Trials. Built crossover data simulator and estimator for internal company use.
2020–2021	**Wearable Devices Statistician**, *Ava*, Switzerland.
	Stats lead on wearable device efficacy. Modelling, ETL, versioning, & results communication.

Other

2018–2019	**Project Lead**, *Social Change Factory*, Senegal.
2017–2018	**Clinical Research Assistant**, *Provincial OCD Program BC Children's*, Canada.
2016–2016	**Neuroscience Research Assistant**, *Seaman's Lab UBC*, Canada.
2015–2016	**Psychology Research Assistant**, *Weber Lab UBC*, Canada.
2014–2015	**Psychology Research Assistant**, *Peer Relations Lab UBC*, Canada.
2013–2013	**Medical Research Assistant**, *UCLA Brain Tumor Program*, U.S.A.

Education

2019–2021	**Master Biostatistics**, *University of Zurich*, Zurich.
	Thesis: Mixtures of Partially Linear Models with Monotone Shape Constraints
	Supervisors: Matthias Löffler, Torsten Hothorn
2016–2017	**Computer Science (Diploma Program)**, *Simon Fraser University*, Canada.
	Coursework in OOP, Relational Databases, Operating Systems, etc.
2014–2015	**Bachelor Psychology**, *University of British Columbia*, Canada.

Technical Skills

Statistics	Causal Inference, Bayesian Stats, High-Dimensional Inference	ML	Time-Series, Clustering, Classification, Ensemble Learning
Programming	R, Python, Java, SQL/noSQL	Other	git, unix/bash, Docker

Languages

English	Native	Spanish	Fluent
French	Fluent	ASL	Conversational

Publications

[1] **D Leibovitz**, A Previtali, J Lymp, R Ananthakrishnan. *simswitch: A Novel Treatment Switching Simulator.* [In submission to Journal of Statistical Software], 2022.

[2] S Halvachizadeh §, **D Leibovitz §**, L Held, K O Jensen. *§ indicates equal contribution. The number of beds occupied is an independent risk factor for discharge of trauma patients.* Accepted in Medicine (by Elsevier), 2022.

[3] M Risch, K Grossmann, S Aeschbacher, O C Weideli, M Kovac, F Pereira, N Wohlwend, C Risch, D Hillmann, T Lung, H Renz, R Twerenbold, M Rothenbühler, **D Leibovitz**, V Kovacevic, A Markovic, P Klaver, T B Brakenhoff, B Franks, M Mitratza, G S Downward, A Dowling, S Montes, D E Grobbee, M Cronin, D Conen, B M Goodale, L Risch. The Lancet (preprint), doi: 10.2139/ssrn.3900401 *Investigation of the Use of a Sensor Bracelet for the Pre-Symptomatic Detection of COVID-19: A National Cohort Study (COVI-Gapp)..* The Lancet, doi: 10.2139/ssrn.3900401, 2022.

[4] M Risch, K Grossmann, S Aeschbacher, O C Weideli, M Kovac, F Pereira, N Wohlwend, C Risch, D Hillmann, T Lung, H Renz, R Twerenbold, M Rothenbühler, **D Leibovitz**, V Kovacevic, A Markovic, P Klaver, T B Brakenhoff, B Franks, M Mitratza, G S Downward, A Dowling, S Montes, D E Grobbee, M Cronin, D Conen, B M Goodale, L Risch. *Investigation of the use of a sensor bracelet for the presymptomatic detection of changes in physiological parameters related to COVID-19: an interim analysis of a prospective cohort study (COVI-GAPP)..* BMJ Open, doi: 10.1136/bmjopen-2021-058274, 2021.

[5] A Lindsay, B Caracheo, B Grewal, **D Leibovitz**, J Seamans. *How much does movement and location encoding impact prefrontal cortex activity? An algorithmic decoding approach in freely moving rats.* eNeuro, doi: 10.1523/ENEURO.0023-18, 2018.

[6] 2015 RC Weber, A Lee, K Walsh, JCBR Pinto, **D Leibovitz**, M Morton. *Family variables and cognitive development in children: A meta-analysis of current literature.* Paper presented at the annual meeting of the American Psychological Association, Denver, CO, United States, 2015.

Talks

2022 **The Least Bad Option: A Simulation Approach to Minimizing Bias When Accounting for Treatment Switching in RCTs**, *Joint Statistical Meeting*, Washington D.C., U.S.A.

2022 **Simulating Data and Bias in the Analysis of Trials with Treatment Switching**, *Statisticians in the Pharmaceutical Industry*, Gothenburg, Sweden.

2021 **Mixtures of Monotone Regressions: A Novel Model**, *UZH Biostatistics Colloquium*, Zurich, Switzerland.

2015 **Executive Functions as a Predictor of Peer-Relation Difficulties in Children with ADHD.**, *Canadian ADHD Resource Alliance Conference*, Vancouver, Canada.