

Kevin Benac, PhD, Data scientist and Mathematician

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Education

- 2017 – 2025 **Ph.D., University of California, Berkeley** in Biostatistics. PhD dissertation under the supervision of Professor Peng Ding. Research in causal inference. Randomization inference on complex general randomized experiments.
- 2016 **Visiting Scholar, University of California, Berkeley** in Biostatistics. Master's Thesis: Additive Hazards Regression Modeling applied to Current Status Data on Avalanche Victims, supervised by Professors Anthony C. Davison and Nicholas P. Jewell.
- 2014 – 2016 **M.Sc, Ecole Polytechnique Fédérale de Lausanne** in Applied Mathematics with emphasis on Statistics and Probability.
- 2013 – 2014 **Exchange student, Imperial College of London** in Mathematics passed exams with a first-class distinction.
- 2011 – 2014 **B.Sc, Ecole Polytechnique Fédérale de Lausanne** in Mathematics.

Skills and Research Interests


- Selected Technical Skills** **Statistics** of Causal Inference, Experimental Design, Survey Sampling, Linear Models, Statistical Machine Learning, Robust Statistics, Data Mining, Data Analysis, Statistical and Probability Theory, Multiple Testing Procedures, Bayesian Statistics, Multivariate Statistics, Time Series Analysis, Survival Analysis, Stochastic Calculus Theory, Martingales Theory and Applications, Survival Models.
- Computer Skills** **Strong R programming skills**, excellent knowledge of \LaTeX , Able to work with Python, SQL, basic knowledge of C++ and Matlab.
- Languages** **Full professional proficiency in English**, Mother tongue in French, Elementary Spanish, Farsi and Italian.


Employment History



- 2019 and 2021 **Data Science Intern, Google LLC Mountain View** in causal inference. Filed a patent about the findings on geo experiments.
- 2016 – 2017 **Clinical Research Engineer, Georges Pompidou European Hospital in Paris, France** in survival analysis.
- 2015 **Intern at F.Hoffmann- La Roche AG (Roche) in Basel, Switzerland.** Bayesian Statistics
- 2018–2022 **Graduate Student Researcher at the University of California, Berkeley.**
- 2014–2025 **Teaching assistant for different classes at Ecole Polytechnique Fédérale de Lausanne and at the University of California, Berkeley.** Significant teaching experience in math, probability and statistics (12 semesters).


Miscellaneous



Awards and Achievements

- 2022  **Research Fellowship** from FODSI at UC Berkeley given to selected projects in causal inference and machine learning.


- 2018–2020  **Record holder** for a French musical TV game show testing the knowledge of songs lyrics and winner of the 2019 tournaments with the top players.



- 2018  **Sally Bellows Fellowship**, Award from the Biostatistics division at UCB.
-  **Graduate Division Summer Grant**, Award from the graduate division at UCB.

- 2017  **Biostatistics Merit Award**, Award from the Biostatistics division at UCB.

- 2016  **Exchange Award**, awarded from EPFL for the master's thesis based on academic performance.
-  **Erasmus Scholarship**, awarded from EPFL in order to study in London given to the top 2 applicants.

Selected Volunteer Activities

- 2018  **Glide Memorial Church** Volunteered for the organization of free-meal programs for the homeless people.

- 2014–2015  **Class Representative** for Master students in Mathematics at EPFL.
-  **Committee ESN-Xchange EPFL**, Organisation of events to integrate international students to the campus life.

Hobbies

-  Music (Singing, Piano), Skiing, Travels, Cooking, Gastronomy, Gardening.