

Daniela M. Witten

www.danielawitten.com

Abbreviated curriculum vitae. Full vitae available upon request.

Education

Ph.D. in Statistics, 2010

Advisor: Robert Tibshirani

Stanford University

M.S. in Statistics, 2006

Stanford University

B.S. in Mathematics & Biological Sciences (double-major), 2005

With Honors (Highest) and Distinction (Highest)

Stanford University

Professional Positions

Faculty Scholar, Amazon.com 2020-present

Associate Chair, Department of Statistics, Univ. Washington 2020-2021

Interim Chair, Department of Statistics, Univ. Washington Summer 2020

Dorothy Gilford Endowed Chair, Univ. Washington 2018-present

Professor, Departments of Statistics and Biostatistics, Univ. Washington 2018-present

Associate Prof., Departments of Statistics and Biostatistics, Univ. Washington 2014-2018

Assistant Professor, Department of Biostatistics, Univ. Washington 2010-2014

– Genentech Endowed Professor of Biostatistics

Major Awards as Faculty

Genentech Endowed Professorship in Biostatistics, Univ. Washington 2010-2011

David P. Byar Young Investigator Award, American Statistical Association 2011

NIH Director's Early Independence Award, National Institutes of Health 2011-2016

Sloan Research Fellowship, Alfred P. Sloan Foundation 2013-2015

Raymond Carroll Young Investigator Award 2015

CAREER Award, National Science Foundation 2013-2018

Simons Investigator, Simons Foundation 2018-2023

Dorothy Gilford Endowed Chair, Univ. Washington 2018-present

Elected Member, International Statistical Institute 2019

Mortimer Spiegelman Award, American Public Health Association 2019

– Awarded to a biostatistician under age 40

– For "outstanding contributions to statistical methodology and its applications"

Medallion Lecturer, Institute for Mathematical Statistics 2020

– For "a significant contribution to one or more areas of research"

Fellow, American Statistical Association 2020

- For “pioneering work in statistical learning; for developing new and impactful statistical methods for analysis of data from diverse fields; for innovation in teaching and communicating statistical machine learning to a broad non-technical audience”
- Breiman Junior Award, American Statistical Association 2020
- For “outstanding theoretical or methodological contributions to machine learning and/or computational statistics”
- Fellow, Institute of Mathematical Statistics 2022
- “For substantial contributions to the field of statistical machine learning, with applications to biology; and for communicating the fundamental ideas in the field to a broad audience”
- COPSS Presidents’ Award 2022
- Awarded to a statistician under age 41 by the Committee of Presidents of Statistical Societies
 - “For bridging the gap between the questions that scientists are asking about their data and the statistical methods that are available to provide insightful answers, especially in the context of biomedical research; for developing flexible and interpretable approaches for modeling large-scale and high-dimensional data; and for the significant elevation of statistical science via successful translation of statistical ideas to a broad audience”

Editorial Service

Associate Editor, <i>Journal of Computational and Graphical Statistics</i>	2011-2015
Associate Editor, <i>Biometrika</i>	2012-2022
Associate Editor, <i>J. American Statistical Assoc.: Theory & Methods</i>	2014-2017
Interim Editor, <i>Journal of Computational and Graphical Statistics</i>	Summer 2015
Action Editor, <i>Journal of Machine Learning Research</i>	2018-2022
Joint Editor, <i>Journal of the Royal Statistical Society, Series B</i>	2023-2025

Publications Full publication list available at Google Scholar

Textbooks James G, Witten DM, Hastie T, and R Tibshirani (2013) *Introduction to Statistical Learning, With Applications in R*. Springer Series in Statistics. 426 pages.

- Translated into Mongolian, Italian, Korean, Russian, Vietnamese, Chinese, Greek, and Japanese

James G, Witten DM, Hastie T, and R Tibshirani (2021) *Introduction to Statistical Learning, With Applications in R, Second Edition*. Springer Series in Statistics. 607 pages. www.statlearning.com

- Translated into Japanese

PhD Students & Post-Doctoral Researchers Supervised

Graduated PhD Students

- Arend Voorman (co-chair with Ali Shojaie) PhD in 2014, Biostatistics
 - First position after graduation: Statistician at Gates Foundation
- Kean Ming Tan PhD in 2015, Biostatistics
 - As of Summer 2019: Assistant Professor at Univ of Michigan, Dept of Statistics
- Shizhe Chen (co-chair with Ali Shojaie) PhD in 2016, Biostatistics
 - As of Summer 2018: Assistant Professor at UC Davis, Department of Statistics
- Ashley Petersen (co-chair with Noah Simon) PhD in 2016, Biostatistics
 - As of Summer 2017: Assistant Prof at Univ of Minnesota, Div of Biostatistics
- Lucy Gao PhD in 2020, Biostatistics
 - As of Summer 2020: Assistant Prof at Univ of Waterloo, Department of Statistics and Actuarial Science
- Sean Jewell PhD in 2020, Statistics
 - As of Summer 2020: Research Scientist at Apple Health AI
- Yandi Shen (co-chair with Fang Han) PhD in 2021, Statistics
 - As of Summer 2021: Post-doctoral researcher at U Chicago, Department of Statistics (*Kruskal Instructor*)
- Yiqun Chen PhD in 2022, Biostatistics

Ongoing PhD Students

- Bryan Martin, Statistics PhD student (co-chair with Amy Willis) 2015-present
- Anna Neufeld, Statistics PhD student 2018-present

Post-Doctoral Researchers

- Hugo (Guo) Yu 2018-2020
 - As of Summer 2020: Assistant Prof at UC Santa Barbara, Department of Statistics and Applied Probability
- Iain Carmichael 2019-2021
- Arkajyoti Saha 2021-present

September 8, 2022