HENRIQUE BOLFARINE

⬦ hbolfarine@gmail.com/henrique.bolfarine@austin.utexas.edu

EDUCATION

University of São Paulo *2017-2021*
Phd in Statistics
Dissertation: "Decoupling Shrinkage and Selection in Factor and Mixture Models"
Adviser: Prof. Dr. Hedibert F. Lopes (Insper/Arizona State University).
Co-Adviser: Prof. Dr. Carlos M. Carvalho (University of Texas at Austin).

University of São Paulo *2015-2017*
M.S. in Statistics
Dissertation: "Comparative evaluation of network reconstruction methods
in high dimensional settings."
Adviser: Prof. Dr. Anatoli Ymbartsev.

University of São Paulo *2011-2015*
B.S. in Applied Mathematics
Dissertation: "A brief introduction to Stochastic Differential Equations."
Adviser: Prof. Dr. Pedro A. Tonelli.

PUBLICATIONS

"Decoupling Shrinkage and Selection in Gaussian Linear Factor Analysis"
(with Carlos M. Carvalho, Hedibert F. Lopes and Jared S. Murray) 2022 *Bayesian Analysis* Advance
Publication 1 - 23, 2022. https://doi.org/10.1214/22-BA1349

"2021 ISI Mahalanobis Award: a Tribute to Heleno Bolfarine"
(with Fabrizio Ruggeri, Jorge Luis Bazán, Reinaldo B. Arellano-Valle, Victor Higo Davila and Mário
de Castro) *International Statistical Review* (2021) doi: 10.1111/insr.12472.

WORKING PAPERS

"Network reconstruction with local partial correlation: comparative evaluation"
(with Lina Thomas and Anatoly Yambartsev) 2018 *(Submitted)*

PROFESSIONAL EXPERIENCE

University of Texas at Austin January 2024 - Current
Lecturer *Austin, Texas, US*

· Lecturer in two Spring sessions of STA 235 Data Science for Business Applications in the McCombs
School of Business

University of Texas at Austin January 2024 - Current
Lecturer *Austin, Texas, US*

· Lecturer in three Spring sessions of STA 301 Introduction to Data Science in the McCombs School of
Business

University of Texas at Austin August 2023 - December 2023
Lecturer *Austin, Texas, US*

· Lecturer in five Fall sessions of STA 301 Introduction to Data Science in the McCombs School of Business

University of Texas at Austin   January 2023 - May 2023
Lecturer   *Austin, Texas, US*

· Lecturer in two Spring sessions of STA 235 Data Science for Business Applications in the McCombs School of Business

University of Texas at Austin   January 2023 - May 2023
Lecturer   *Austin, Texas, US*

· Lecturer in four Spring sessions of STA 301 Introduction to Data Science in the McCombs School of Business

University of Texas at Austin   August 2022 - December 2022
Lecturer   *Austin, Texas, US*

· Lecturer in four Fall sessions of STA 301 Introduction to Data Science in the McCombs School of Business

University of Texas at Austin   June 2022 - July 2022
Lecturer   *Austin, Texas, US*

· Lecturer in one Summer sessions of S22 Data Science for Business Applications in the McCombs School of Business

University of Texas at Austin   January 2022 - March 2022
Lecturer   *Austin, Texas, US*

· Lecturer in two Spring sessions of STA 235 Data Science for Business Applications in the McCombs School of Business

University of Texas at Austin   October 2021 - July 2022
Postdoc   *Austin, Texas, US*

· Research Professional allocated in the Salem Center for Public Policy.

University of Texas at Austin   March 2021 - October 2021
Social Science/Humanities Research Professional   *Austin, Texas, US*

· Research Professional allocated in the Salem Center for Public Policy.

University of São Paulo   January 2021 - February 2021
Temporary Professor   *São Paulo, Brazil*

· Temporary Professor for the summer course Introduction to Probability Theory
  (60 hour course, remote).

Insper   January 2020 - May 2020
Teaching Assitant   *São Paulo, Brazil*

· Teaching assistant for the undergraduate course Bayesian Learning, under Prof. Hedibert F
(60 hour course, in person/remote).

University of São Paulo August 2018 - December 2018
Supervised Internship *São Paulo, Brazil*

· Supervised internship, as a teaching assistant for the undergraduate course
Statistical Inference
(60 hour course, in person).

University of São Paulo January 2018 - February 2018
Temporary Professor *São Paulo, Brazil*

· Temporary Professor for the summer course Introduction to Probability Theory
(60 hour course, in person).

University of São Paulo January 2017 - February 2017
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the summer course Introduction to Probability Theory
(60 hour course).

University of São Paulo January 2017 - February 2017
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the summer course Introduction to Probability Theory
(60 hour course).

University of São Paulo January 2016 - February 2016
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the summer course Introduction to Probability Theory
(60 hour course).

University of São Paulo August 2013 - December 2013
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the course Introduction to Statistics II. (60 hour course).

University of São Paulo March 2013 - June 2013
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the course Sampling Theory and Technics. (60 hour course).

University of São Paulo August 2012 - December 2013
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the course Introduction to Statistics II. (60 hour course).

University of São Paulo March 2012 - June 2012
Teaching Assistant *São Paulo, Brazil*

· Teacher assistant for the course Introduction to Probability and Statistics I. (60 hour course).

PRESENTATIONS, EVENTS AND MEETINGS

Joint Statistical Meetings (JSM) 2023 - Seminar Toronto, Canada, August 2023
Presentation

Bayesian Factor Models for Complex Multivariate Datasets

FGV EMAp - Seminar Online, November 2021
Presentation

Recent advances in Bayesian Factor Analysis

XV EBEB - Brazilian Meeting of Bayesian Statistics. Maresias, Brazil, March 2020
Presentation

Decoupling Shrinkage and Selection in Bayesian Gaussian factor analysis,
with known number of factors.

VI COBAL - Congresso Bayesiano da América Latina. Lima, Peru, July 2019
Presentation

Decoupling Shrinkage and Selection in Bayesian Gaussian Factor Analysis. 2019.

XIV EBEB - Brazilian Meeting on Bayesian Statistics. Rio de Janeiro, Brazil, March 2018
Poster Presentation

Network reconstruction using classical and Bayesian methods, a comparison

TECHNICAL STRENGTHS

Programming   R, C++, C, Python (in order of knowledge)

AWARDS AND RECOGNITIONS

International Scholarship (CAPES)- Grant.	2021-2021
Scholarship from the National Council for Scientific Development (CNPq).	2018-2021
Coordination for the Improvement of Higher Education Personnel (CAPES).	2018-2021
Scholarship from the National Council for Scientific Development (CNPq).	2015-2017