

Federica Stolf

University of Padova Department of Statistical Sciences
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- Current position** **PhD student in Statistics** (October 2021 - ongoing)
Department of Statistical Science, University of Padova
Supervisor: Prof. Antonio Canale; Co-supervisor: Prof. David Dunson.
- Education** **Master's Degree in Statistics** (10/2019 – 09/2021)
Department of Statistical Science, University of Padova
Thesis title: “Bayesian hierarchical models for spatial extreme values”
Supervisor: Prof. Antonio Canale
Final mark: 110/110 *cum laude*
- Bachelor's Degree in Statistics for Technology and Sciences** (10/2016–07/2019)
Department of Statistical Science, University of Padova
Thesis title: “Quantile regression for solar power forecasting”
Supervisor: Prof. Antonio Canale
Final mark: 110/110 *cum laude*
- Visiting Periods** Duke University, Department of Statistical Sciences, Durham, USA (03/2023 - 09/2024)
Supervisor: Prof. David Dunson
- Work experience** **Research support activities** (03/2021-05/2021)
Department of Statistical Science, University of Padova
Implementation in R of algorithms for classification and regression with advanced non parametric models
Supervisor: Prof. Bruno Scarpa
- Data scientist intern** at Horsa, Vicenza (09/2019 – 12/2019)
Ski instructor at Intersport Bernik, Kranjska Gora, Slovenia (12/2016 - 2/2020)
- Research interests**
- Bayesian Methods and Computation
 - Latent Factor Models
 - Bayesian Nonparametrics
- Publications & working papers**
- Stolf, F. and Dunson, D. (2024+). Allowing growing dimension in binary outcomes via the multivariate probit Indian buffet process. (in preparation)
 - Stolf, F. and Canale, A. (2023). A hierarchical Bayesian non-asymptotic extreme value model for spatial data. *Environmetrics*, e2806.
 - Stolf, F. and Canale, A. (2022). Bayesian spatial modeling of extreme precipitation, in *Proceedings of the 36th International Workshop on Statistical Modelling*, ISBN: 9788855113090.

Awards	<ul style="list-style-type: none"> • Best poster award at Autumn school in Bayesian Statistics 2023, CIRM (France) • Young researcher travel award, ISBA 2022 • Mille e una Lode Award 2018/2019, scholarship awarded to the best 1000 students of the University of Padova
Conference presentations	<ul style="list-style-type: none"> • Contributed talk: “Dependent infinite latent feature models”; <i>BAYSM 2023</i>, online (Nov-2023). • Poster presentation: “Dependent infinite latent feature models”; <i>Autumn school in Bayesian Statistics 2023</i>, CIRM, France (Oct-2023). • Poster presentation: “A hierarchical Bayesian non-asymptotic extreme value model for spatial data”; <i>ISBA 2022</i>, Montreal, Canada (Jun-2022). • Poster presentation: “Bayesian spatial modeling of extreme precipitation”; <i>IWSM 2022</i>, Trieste, Italy (Jul-2022).
Teaching experience	(10/2019 – 06/2021) Tutor: lectures and exercises for the courses of Statistics (Advanced) and Mathematical Analysis 1. University of Padova.
Service	<ul style="list-style-type: none"> • Membership: ISBA, jISBA. • Reviewer for: Computational Statistics and Data Analysis. • Organizer of <i>Explain like I’m an Undergrad</i>, series of weekly seminars for PhD students, post-docs, and young researchers in the statistics department at University of Padova (Sep 2023 - ongoing).
Computer skills	<ul style="list-style-type: none"> • Languages: R (advanced), Python (intermediate); • Other: Latex (advanced), GitHub (basic).
Languages	Italian (native); English (fluent)
Data Hackathons	17/09/2022: First prize winner at HackTheGene, Padova.