

GIORGIO PAULON

giorgio@berryconsultants.net | giorgiopaulon.github.io | www.linkedin.com/in/giorgiopaulon

QUALIFICATIONS

- Statistician with 5+ years of professional experience designing adaptive clinical trials, developing interpretable models, and delivering statistical solutions
- Proficient in R, C++, Bayesian inference, longitudinal/survival data modeling, reproducible workflows and effective data visualization
- Proven ability to lead statistical programming, collaborate with clinicians, and translate complex methodologies into actionable results

EDUCATION AND TRAINING

The University of Texas at Austin, Austin, TX • **Ph.D. in Statistics** 2016 – 2021

- Thesis: Bayesian partition models for local inference in longitudinal and survival data
- Advisors: [Dr. Peter Müller](#) and [Dr. Abhra Sarkar](#)
- Area of Specialization: Bayesian methods for clustering of longitudinal data

École Centrale Paris, Paris, France • **Diplôme d'ingénieur** 2011 – 2013

Politecnico di Milano, Milan, Italy

M.Sc. in Statistics 2013 – 2016

- Thesis: A Bayesian autoregressive semiparametric model for waiting times of recurrent events
- Advisor: [Dr. Alessandra Guglielmi](#)
- Area of Specialization: Bayesian nonparametric methods for survival analysis

B.Sc. in Mathematical Engineering 2009 – 2013

PROFESSIONAL AND RESEARCH EXPERIENCE

Statistical Scientist • **Berry Consultants, LLC** • Austin, TX Aug 2021 – Present

- Designed the statistical components of adaptive and Bayesian clinical trials across oncology, neurology, and rare disease, including platform trials with multiple arms and interim analyses
- Wrote and reviewed key deliverables (Statistical Analysis Plans, Adaptive Design Reports) to support FDA and EMA submissions
- Prepared reports interpreting interim and final analysis; illustrated interim results to Data Safety Monitoring Boards (DSMB), providing statistical insight to guide clinical decisions
- Co-authored several peer-reviewed publications, including in NEJM and the Lancet Neurology, and presented at both academic and industry conferences

PhD Candidate • **The University of Texas at Austin** • Austin, TX Aug 2016 – Aug 2021

- Developed novel Bayesian methods for longitudinal and survival data, including drift-diffusion mixed models, HMM tensor partition models, and nonparametric survival regression; published in *JASA* and *Bayesian Analysis*
- Built and released R packages (e.g., *ldmm*) adopted by interdisciplinary researchers and collaborated with clinicians and neuroscientists on speech learning studies

Assistant Instructor • **The University of Texas at Austin** • Austin, TX Fall 2019, Fall 2020

- Designed and taught SDS 323 “Statistical Learning and Inference” to 50 upper-level undergraduate students; mentored the teaching assistant. Topics: methods for supervised and unsupervised learning

TECHNICAL SKILLS AND LANGUAGES

Programming: R (Rcpp, Shiny, Quarto) • Python • C++ • SQL • Git • HTML

Statistical Methods: Bayesian modeling • MCMC • Hierarchical models • Survival & Longitudinal analysis • Clustering • Causal inference • Data visualization • Reproducible workflows • Clinical trial simulation • SAP writing

Languages: Italian (native speaker) • English (fluent) • Spanish (proficient) • French (advanced)

SELECTED AWARDS AND SOCIETY MEMBERSHIP

- Secretary of ISBA, Biostat & Pharma Section 2025 – 2026
- Mitchell Prize, International Society for Bayesian Analysis (ISBA) 2021
- Student Paper Award, Section on Bayesian Statistical Science (SBSS) 2021
- SDS Excellence Fellowship, The University of Texas at Austin 2016 – 2021

PUBLICATIONS

1. Konstam, M. A., Udelson, J. E., Mann, D. L., DiCarlo, L., Butler, J., Ardell, J., De Ferrari, G. M., Klein, H. U., Filippatos, G., Metra, M., Anand, I., Close, N., Saville, B. R., Detry, M. A., **Paulon, G.**, and others (2026). Vagal Nerve Stimulation in Patients With Heart Failure and Reduced Ejection Fraction: The ANTHEM-HFrEF Trial. *Journal of the American College of Cardiology* [\[Article\]](#)
2. Dres, M., Ewert, R., Conrad, S. A., Ataya, A., Shrager, J., Mortaza, S., Delamaire, F., Nilius, G., Heine, A., Mehta, N., Ways, J., Evans, D., **Paulon, G.**, Khandwala, F., Berry, N., Viele, K., and others (2025). Temporary Transvenous Diaphragm Neurostimulation for Weaning from Mechanical Ventilation (RESCUE-3). *American Journal of Respiratory and Critical Care Medicine* [\[Article\]](#)
3. Macklin, E., Chibnik, L., Wang, J., Quintana, M., Saville, B., Detry, M., Vestrucci, M., **Paulon, G.**, and others (2025). Safety and efficacy of trehalose in amyotrophic lateral sclerosis (HEALEY ALS Platform Trial): an adaptive, phase 2/3, double-blind, randomised, placebo-controlled trial. *The Lancet Neurology*, 24, 500–511 [\[Article\]](#)
4. Pradilla, G., Ratcliff, J. J., Hall, A. J., Saville, B. R., Allen, J. W., **Paulon, G.**, and others (2024). Early minimally invasive removal of intracerebral hemorrhage trial. *New England Journal of Medicine*, 390, 1277–1289 [\[Article\]](#)
5. **Paulon, G.**, Müller, P., and Sarkar, A. (2024). Bayesian semiparametric hidden Markov tensor models for time varying random partitions with local variable selection. *Bayesian Analysis*, 19, 1097–1127 [\[Article\]](#)
6. Roark, C. L., **Paulon, G.**, Rebaudo, G., McHaney, J. R., Sarkar, A., and Chandrasekaran, B. (2024). Individual differences in working memory impact the trajectory of non-native speech category learning. *PloS one* [\[Article\]](#)
7. **Paulon, G.**, Müller, P., and Sal y Rosas, V. G. (2024). Bayesian nonparametric bivariate survival regression for current status data. *Bayesian Analysis*, 19, 49–75 [\[Article\]](#)
8. Roark, C. L., **Paulon, G.**, Sarkar, A., and Chandrasekaran, B. (2021). Comparing perceptual category learning across modalities in the same individuals. *Psychonomic Bulletin & Review*, 28, 898–909 [\[Article\]](#)
9. **Paulon, G.**, Llanos, F., Chandrasekaran, B., and Sarkar, A. (2021). Bayesian semiparametric longitudinal drift-diffusion mixed models for tone learning in adults. *Journal of the American Statistical Association*, 116, 1114–1127 [\[Article\]](#) [\[R Package\]](#)
10. **Paulon, G.**, De Iorio, M., Guglielmi, A., and Ieva, F. (2020). Joint modeling of recurrent events and survival: A Bayesian non-parametric approach. *Biostatistics*, 21, 1–14 [\[Article\]](#)
11. **Paulon, G.**, Reetzke, R., Chandrasekaran, B., and Sarkar, A. (2019). Functional logistic mixed effects models for learning curves from longitudinal binary data. *Journal of Speech, Language, and Hearing Research*, 62, 543–553 [\[Article\]](#) [\[R Package\]](#)
12. **Paulon, G.**, Trippa, L., and Müller, P. (2018). Invited comment on “Bayesian cluster analysis: Point estimation and credible balls”. *Bayesian Analysis*, 13, 590–593 [\[Article\]](#) [\[Markdown\]](#)

TALKS & PRESENTATIONS

- **Invited talk:** Planning for Heterogeneous Treatment Effects: Enrichment for Treatment-Sensitive Patient Populations. *ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop (RISW)*, Washington, DC; September, 2025
- **Session chair:** Have Predictive Probabilities Improved Clinical Trials? *ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop (RISW)*, Washington, DC; September, 2025
- **Invited talk:** Planning for Heterogeneous Treatment Effects: Enrichment for Treatment-Sensitive Patient Populations. *Society for Clinical Trials (SCT)*, Vancouver, Canada; May, 2025
- **Invited talk:** Forecasting with Confidence: Harnessing Predictive Probabilities in Practice. *Society for Clinical Trials (SCT)*, Boston, MA; May, 2024

- **Invited talk:** ENRICH: A Novel Approach to Clinical Trials in ICH. *Midwest Biopharmaceutical Statistics Workshop (MBSW)*, Indianapolis, IN; June, 2024
- **Session chair:** Real World Experience in Conducting Adaptive Platform Trials. Speakers: Ed Mills (Cytel), Michelle Detry (Berry Consultants, LLC), Anna McGlothlin (Berry Consultants, LLC), Hong Yu (Massachusetts General Hospital). *Society for Clinical Trials (SCT)*, San Diego, CA; May, 2022
- **Invited talk:** Bayesian semiparametric longitudinal drift-diffusion mixed models for tone learning. *Joint Statistical Meetings (JSM)*, Seattle, WA (August 2021) and *ISBA World Meeting*, Kunming, China (July 2021)
- **Invited talk:** Dependent mixtures: Modeling cell lineage. *International Chinese Statistical Association (ICSA)*, Houston, TX; December, 2020
- **SDS Seminar Series:** Bayesian semiparametric longitudinal drift-diffusion mixed models for tone learning. *The University of Texas at Austin*; February, 2020
- **Poster:** Bayesian autoregressive models for waiting times of recurrent events. *Bayesian Young Statisticians Meeting (BAYSM)*, Florence, Italy; June, 2016

VOLUNTEER WORK

Volunteer • **Cesvi Fondazione Onlus** • Chennai, India

Jun 2013 – Aug 2013

- Staff member at a shelter for children of ages 6 to 16. Responsibilities: teaching English; helping with homework; documenting and raising awareness about child labor in the local communities