

EMMA V. M. LANDRY

emmalandry@g.ucla.edu ◊ emma-landry.github.io
Fielding School of Public Health ◊ Los Angeles, CA 90095

EDUCATION

PhD in Biostatistics <i>University of California, Los Angeles</i> GPA: 4.0 <i>Advisor:</i> Donatello Telesca	September 2021 - Present <i>Los Angeles, CA</i>
MSci in Mathematics <i>Imperial College London</i> First class honours <i>Advisor:</i> Seth Flaxman	September 2017 - June 2021 <i>London, United Kingdom</i>

PROFESSIONAL EXPERIENCE

Graduate Student Researcher <i>Department of Biostatistics, University of California, Los Angeles</i> Analysis of transportability of financial literacy score predictions in Belgian schools using double machine learning; development of novel Bayesian methodology for domain adaptation under covariate shift. Supervised by Falco Bargagli-Stoffi.	April 2025 - Present <i>Los Angeles, CA</i>
Graduate Student Researcher <i>Department of Biostatistics, University of California, Los Angeles</i> Development of Bayesian statistical methodology for the study of Autism Spectrum Disorder through analysis of EEG measurements. Supervised by Donatello Telesca.	October 2021 - March 2025 <i>Los Angeles, CA</i>
Peer tutor <i>Department of Mathematics, Imperial College London</i> Weekly sessions with a group of first year undergraduate students, providing support with courses and solving problem sets.	October 2020 - March 2021 <i>London, United Kingdom</i>
Undergraduate Student Researcher (UROP) <i>Department of Mathematics, Imperial College London</i> Summer research project focused on modeling gun violence in U.S. cities using a Bayesian spatio-temporal Hawkes model. Supervised by Seth Flaxman, in collaboration with Andrew Holbrook, Charles Loeffler and Alexey Knorre.	June 2020 - October 2020 <i>London, United Kingdom</i>

AWARDS AND HONORS

Best Poster Award at the 14th International Conference on BNP <i>International Society for Bayesian Analysis</i>	2025
Best Poster Award at the ISBA World Meeting 2024 <i>International Society for Bayesian Analysis</i>	2024
Junior Travel Grant for the ISBA World Meeting 2024 (\$800) <i>International Society for Bayesian Analysis, NSF support</i>	2024

Best Poster Award at the UCLA Graduate Research Showcase (\$500)	2024
<i>UCLA Graduate Student Association</i>	
3 Minute Thesis Competition for UROP, Winner	2020
<i>Department of Mathematics, Imperial College London</i>	
Chris Champion Prize	2020
<i>Department of Mathematics, Imperial College London</i>	
Winton Capital Management Prize for Mathematics	2019
<i>Department of Mathematics, Imperial College London</i>	

SCHOLARSHIPS

Dissertation Year Award (\$30,000 + tuition)	2025 - 2026
<i>Division of Graduate Education, University of California, Los Angeles</i>	
Division of Graduate Education Fellowship (stipend + tuition)	2021 - Present
<i>Division of Graduate Education, University of California, Los Angeles</i>	
Summer Mentored Research Fellowship (SMRF) (\$6,000)	2022
<i>Division of Graduate Education, University of California, Los Angeles</i>	

PRESENTATIONS

<u>CONTRIBUTED TALKS</u>	
WNAR/ IMS Annual Meeting	June 2025
<i>Bayesian Regression in the Wasserstein Space for Density-Valued Data</i>	<i>Whistler, Canada</i>
<u>POSTERS</u>	
14th International Conference on Bayesian Nonparametrics	June 2025
<i>Bayesian Regression in the Wasserstein Space for Density-Valued Data</i>	<i>Los Angeles, CA</i>
Conference on Statistical Learning and Data Science	November 2024
<i>Curve Registration for Mixed Membership Models</i>	<i>Newport Beach, CA</i>
ISBA World Meeting	July 2024
<i>Curve Registration for Mixed Membership Models</i>	<i>Venice, Italy</i>
UCLA Graduate Research Showcase	April 2024
<i>Curve Registration for Mixed Membership Models</i>	<i>Los Angeles, CA</i>

PUBLICATIONS

- PREPRINTS
- [1] Bargagli-Stoffi F. J., **Landry E.**, Josey K. P., De Beckker K., Maldonado J. E., and De Witte K. *Transporting predictions via double machine learning: predicting partially unobserved students' outcomes*. arXiv preprint *arXiv:2509.12533* (2025+). (Submitted.)
 - [2] **Landry E.**, Şentürk D., Jeste S., DiStefano C., Dickinson D., and Telesca D. *Modeling EEG spectral features through warped functional mixed membership models*. arXiv preprint *arXiv:2412.08762* (2024+). (Submitted.)

IN PREPARATION

- [1] **Landry E.**, Şentürk D., Jeste S., DiStefano C., Dickinson D., and Telesca D. *Bayesian regression in the Wasserstein space for density-valued data*.

- [2] **Landry E.**, Telesca D., Bargagli-Stoffi F. J. *Transporting predictions via double Bayesian machine learning.*

TEACHING

Teaching Assistant <i>Department of Biostatistics, University of California, Los Angeles</i> BIOSTAT 406 (Applied Multivariate Biostatistics) <i>Instructor : Donatello Telesca</i>	April 2025 - June 2025 <i>Los Angeles, CA</i>
Teaching Assistant <i>Department of Biostatistics, University of California, Los Angeles</i> BIOSTAT 250C (Multivariate Biostatistics) <i>Instructor : Donatello Telesca</i>	April 2023 - June 2023 <i>Los Angeles, CA</i>
Teaching Assistant <i>Department of Biostatistics, University of California, Los Angeles</i> BIOSTAT 250B (Linear Statistical Models) <i>Instructor : Weng Kee Wong</i>	January 2023 - March 2023 <i>Los Angeles, CA</i>
Teaching Assistant <i>Department of Biostatistics, University of California, Los Angeles</i> BIOSTAT 250A (Linear Statistical Models) <i>Instructor : Weng Kee Wong</i>	October 2022 - December 2022 <i>Los Angeles, CA</i>

MENTORSHIP

Harvard College OpenBio Laboratory <i>High School Student Research Project Supervision</i>	June 2024 - August 2024
• Jooa Lee, <i>Analyzing phylogenetic aggregation at varying viral taxonomic ranks via MDS-based cosine distance and its association with zoonosis.</i>	

PROFESSIONAL SERVICE

<u>SERVICE TO PROFESSIONAL SOCIETIES</u>	
Secretary of the j-ISBA section <i>International Society for Bayesian Analysis</i>	January 2026 - December 2027
<u>SERVICE TO THE UNIVERSITY OF CALIFORNIA, LOS ANGELES</u>	
Vice President, Academic Affairs <i>UCLA Graduate Student Association</i>	June 2023 - May 2024 <i>Los Angeles, CA</i>
Graduate Student Representative, Executive Board <i>UCLA Academic Senate</i>	October 2023 - June 2024 <i>Los Angeles, CA</i>
Graduate Student Representative, Graduate Council <i>UCLA Academic Senate</i>	October 2023 - June 2024 <i>Los Angeles, CA</i>
Graduate Student Representative, Legislative Assembly <i>UCLA Academic Senate</i>	October 2023 - June 2024 <i>Los Angeles, CA</i>
Director of Discretionary Funding <i>UCLA Graduate Student Association</i>	October 2022 - May 2023 <i>Los Angeles, CA</i>

PROFESSIONAL SOCIETIES

International Society for Bayesian Analysis 2022 - Present
Member

Institute of Mathematical Statistics 2024 - Present
Member

Western North American Region of the International Biometric Society 2025 - Present
Member

LANGUAGES

Spoken French (Native), Polish (Native), English (Native), Spanish (Conversational),
Italian (Conversational), Mandarin (Basic)

Programming R, Python, Julia