

# EMMA V. M. LANDRY

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Fielding School of Public Health  $\diamond$  Los Angeles, CA 90095

## EDUCATION

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

## PROFESSIONAL EXPERIENCE

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<b>Graduate Student Researcher</b> <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>
<b>Graduate Student Researcher</b> <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>
<b>Peer tutor</b> <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>
<b>Undergraduate Student Researcher (UROP)</b> <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

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<b>Winner of the ASA-SBSS Student Paper Competition</b> <i>ASA Section on Bayesian Statistical Science</i>	2026
<b>Best Poster Award at the 14th International Conference on BNP</b> <i>International Society for Bayesian Analysis</i>	2025
<b>Best Poster Award at the ISBA World Meeting 2024</b> <i>International Society for Bayesian Analysis</i>	2024

<b>Junior Travel Grant for the ISBA World Meeting 2024 (\$800)</b> <i>International Society for Bayesian Analysis, NSF support</i>	2024
<b>Best Poster Award at the UCLA Graduate Research Showcase (\$500)</b> <i>UCLA Graduate Student Association</i>	2024
<b>3 Minute Thesis Competition for UROP, Winner</b> <i>Department of Mathematics, Imperial College London</i>	2020
<b>Chris Champion Prize</b> <i>Department of Mathematics, Imperial College London</i>	2020
<b>Winton Capital Management Prize for Mathematics</b> <i>Department of Mathematics, Imperial College London</i>	2019

## SCHOLARSHIPS

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

## PRESENTATIONS

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### CONTRIBUTED TALKS

<b>WNAR/ IMS Annual Meeting</b> <i>Bayesian Regression in the Wasserstein Space for Density-Valued Data</i>	June 2025 <i>Whistler, Canada</i>
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### POSTERS

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

## PUBLICATIONS

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### ACCEPTED

- [1] **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* (2026). (Accepted in *Bayesian Analysis*.)
- [2] Telesca D., Marco N., and **Landry, E.** Mixed membership models for multilevel functional data. (2026). *Statistical Science: From Theory to Applied Research I: SIS-FENStatS 2026, Short Papers*.

## SUBMITTED

- [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* (2026). (Under Major Revisions in *Journal of the Royal Statistical Society, Series C*.)
- [2] Zorzetto D., **Landry, E.**, Guindani M., Telesca D., Edefonti V., De Vito R., and Bargagli-Stoffi F. J. Bayesian Causal Methods for Heterogeneous Treatment Effects in Environmental Health. (2026). (Invited Contribution in *Current Environmental Health Reports*.)

## 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*. (2026+)
- [2] **Landry E.**, Telesca D., Bargagli-Stoffi F. J. *Transporting predictions via double Bayesian machine learning*. (2026+)

## **TEACHING**

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**Teaching Assistant** April 2025 - June 2025  
*Department of Biostatistics, University of California, Los Angeles* Los Angeles, CA  
BIOSTAT 406 (Applied Multivariate Biostatistics)  
*Instructor* : Donatello Telesca

**Teaching Assistant** April 2023 - June 2023  
*Department of Biostatistics, University of California, Los Angeles* Los Angeles, CA  
BIOSTAT 250C (Multivariate Biostatistics)  
*Instructor* : Donatello Telesca

**Teaching Assistant** January 2023 - March 2023  
*Department of Biostatistics, University of California, Los Angeles* Los Angeles, CA  
BIOSTAT 250B (Linear Statistical Models)  
*Instructor* : Weng Kee Wong

**Teaching Assistant** October 2022 - December 2022  
*Department of Biostatistics, University of California, Los Angeles* Los Angeles, CA  
BIOSTAT 250A (Linear Statistical Models)  
*Instructor* : Weng Kee Wong

## **MENTORSHIP**

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**Harvard College OpenBio Laboratory** June 2024 - August 2024  
*High School Student Research Project Supervision*

- Jooa Lee, *Analyzing phylogenetic aggregation at varying viral taxonomic ranks via MDS-based cosine distance and its association with zoonosis*.

## **PROFESSIONAL SERVICE**

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### SERVICE TO PROFESSIONAL SOCIETIES

**Secretary of the j-ISBA section** January 2026 - December 2027  
*International Society for Bayesian Analysis*

### CONFERENCE ORGANIZATION

**Scientific Committee Member**  
*BAYSM 2026*

June 2026  
*Chiba, Japan*

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SERVICE TO THE UNIVERSITY OF CALIFORNIA, LOS ANGELES

**Vice President, Academic Affairs**  
*UCLA Graduate Student Association*

June 2023 - May 2024  
*Los Angeles, CA*

**Graduate Student Representative, Executive Board**  
*UCLA Academic Senate*

October 2023 - June 2024  
*Los Angeles, CA*

**Graduate Student Representative, Graduate Council**  
*UCLA Academic Senate*

October 2023 - June 2024  
*Los Angeles, CA*

**Graduate Student Representative, Legislative Assembly**  
*UCLA Academic Senate*

October 2023 - June 2024  
*Los Angeles, CA*

**Director of Discretionary Funding**  
*UCLA Graduate Student Association*

October 2022 - May 2023  
*Los Angeles, CA*

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**PROFESSIONAL SOCIETIES**

**International Society for Bayesian Analysis**  
*Member*

2022 - Present

**Institute of Mathematical Statistics**  
*Member*

2024 - Present

**Western North American Region of the International Biometric Society**  
*Member*

2025 - Present

**American Statistical Association**  
*Member*

2026 - Present

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**LANGUAGES**

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

**Programming** R, Python, Julia