EMMA V. M. LANDRY

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Fielding School of Public Health ⋄ Los Angeles, CA 90095

EDUCATION

PhD in Biostatistics　　　　　　　　　　　　　　　　　September 2021 - Present
University of California, Los Angeles　　　　　　　　　　　　　　　*Los Angeles, CA*

GPA: 4.0
Advisor: Donatello Telesca

MSci in Mathematics　　　　　　　　　　　　　　　September 2017 - June 2021
Imperial College London　　　　　　　　　　　　　　*London, United Kingdom*

First class honours
Advisor: Seth Flaxman

PROFESSIONAL EXPERIENCE

Graduate Student Researcher　　　　　　　　　　　　　　　April 2025 - Present
Department of Biostatistics, University of California, Los Angeles　　　*Los Angeles, CA*

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.

Graduate Student Researcher　　　　　　　　　　　　　October 2021 - March 2025
Department of Biostatistics, University of California, Los Angeles　　　*Los Angeles, CA*

Development of Bayesian statistical methodology for the study of Autism Spectrum Disorder through analysis of EEG measurements. Supervised by Donatello Telesca.

Peer tutor　　　　　　　　　　　　　　　　　　　October 2020 - March 2021
Department of Mathematics, Imperial College London　　　*London, United Kingdom*

Weekly sessions with a group of first year undergraduate students, providing support with courses and solving problem sets.

Undergraduate Student Researcher (UROP)　　　　　　　June 2020 - October 2020
Department of Mathematics, Imperial College London　　　*London, United Kingdom*

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.

AWARDS AND HONORS

Best Poster Award at the 14th International Conference on BNP　　　　　　2025
International Society for Bayesian Analysis

Best Poster Award at the ISBA World Meeting 2024　　　　　　　　　　2024
International Society for Bayesian Analysis

Junior Travel Grant for the ISBA World Meeting 2024 ($800)　　　　　　2024
International Society for Bayesian Analysis, NSF support

Best Poster Award at the UCLA Graduate Research Showcase ($500) 2024
UCLA Graduate Student Association

3 Minute Thesis Competition for UROP, Winner 2020
Department of Mathematics, Imperial College London

Chris Champion Prize 2020
Department of Mathematics, Imperial College London

Winton Capital Management Prize for Mathematics 2019
Department of Mathematics, Imperial College London

SCHOLARSHIPS

Dissertation Year Award ($30,000 + tuition) 2025 - 2026
Division of Graduate Education, University of California, Los Angeles

Division of Graduate Education Fellowship (stipend + tuition) 2021 - Present
Division of Graduate Education, University of California, Los Angeles

Summer Mentored Research Fellowship (SMRF) ($6,000) 2022
Division of Graduate Education, University of California, Los Angeles

PRESENTATIONS

CONTRIBUTED TALKS

WNAR/ IMS Annual Meeting June 2025
Bayesian Regression in the Wasserstein Space for Density-Valued Data *Whistler, Canada*

POSTERS

14th International Conference on Bayesian Nonparametrics June 2025
Bayesian Regression in the Wasserstein Space for Density-Valued Data *Los Angeles, CA*

Conference on Statistical Learning and Data Science November 2024
Curve Registration for Mixed Membership Models *Newport Beach, CA*

ISBA World Meeting July 2024
Curve Registration for Mixed Membership Models *Venice, Italy*

UCLA Graduate Research Showcase April 2024
Curve Registration for Mixed Membership Models *Los Angeles, CA*

PUBLICATIONS

[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 mearning: predicting partially unobserved students' outcomes* (2025+). (In preparation.)

[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.)

TEACHING

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

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.*

ACADEMIC SERVICE

Vice President, Academic Affairs   June 2023 - May 2024
UCLA Graduate Student Association   *Los Angeles, CA*

Graduate Student Representative, Executive Board   October 2023 - June 2024
UCLA Academic Senate   *Los Angeles, CA*

Graduate Student Representative, Graduate Council   October 2023 - June 2024
UCLA Academic Senate   *Los Angeles, CA*

Graduate Student Representative, Legislative Assembly   October 2023 - June 2024
UCLA Academic Senate   *Los Angeles, CA*

Director of Discretionary Funding   October 2022 - May 2023
UCLA Graduate Student Association   *Los Angeles, CA*

PROFESSIONAL SOCIETIES

International Society for Bayesian Analysis   2022 - Present
Member

Institute of Mathematical Statistics   2024 - Present
Member

LANGUAGES

Spoken	French (Native), Polish (Native), English (Native), Spanish (Conversational), Italian (Conversational), Mandarin (Basic)
Programming	R, Python, Julia