

## Employment

Currently : **Reader in Statistics**,  
School of Mathematical Sciences, Queen Mary, University of London, UK.

October 2023–April 2025 : **Reader in Statistics**,  
School of Mathematics, Statistics and Actuarial Science, University of Kent, UK.

October 2020–September 2023 : **Senior Lecturer in Statistics**,  
School of Mathematics, Statistics and Actuarial Science, University of Kent, UK.

August 2014–September 2020 : **Lecturer in Statistics**,  
School of Mathematics, Statistics and Actuarial Science, University of Kent, UK.

September 2011–August 2014 : **Departmental and Stipendiary Lecturer in Statistics**,  
Department of Statistics and St Peter's College, University of Oxford, UK.

January 2011–September 2011 : **Research & Teaching Fellow**,  
School of Mathematics and Statistics, Victoria University of Wellington, New Zealand.

## Education

September 2014–September 2015 : **Postgraduate Certificate in Higher Education**,  
University of Kent, UK.

September 2006–November 2010 : **PhD in Statistics**,  
Max Planck Institute for Demographic Research, Germany & University of Kent, UK.

September 2005–September 2006 : **MSc in Statistics with Applications in Medicine**,  
University of Southampton, UK.

September 2000–September 2005 : **BSc in Statistics**,  
Athens University of Economics and Business, Greece.

## Professional roles

ISBA Environmental Sciences Section Secretary (since 2024)

Associate Editor for Annals of Applied Statistics (since 2024)

Member of the UKDNA Steering Committee (since 2024)

Associate Editor for the Journal of Agricultural, Biological and Environmental Statistics (since 2024)

Scientific Committee member for the International Statistical Ecology Conference (2024)

Deputy Director of the National Centre for Statistical Ecology (since 2022)

Associate Editor for the Journal of the Royal Statistical Society - Series C (2021-2024)

Book Reviews Editor for the Journal of Agricultural, Biological and Environmental Statistics (2019-2024)

Chair of the Environmental Statistics Section, Royal Statistical Society (2019–2022)

Co-chair of the Capture-Recapture session of the Euring international conference (2017)

Committee member of the Environmental Statistics Section, Royal Statistical Society (2015–2019)

Champion of the British and Irish Region of the International Biometric Society (2015–2019)

## Funding

**live** £35,086.17, **PI**, “Spatio-temporal models for large sets of citizen science data to inform conservation policy”, Butterfly Conservation, 2024-2028.

**live** £270,000, **CoI**, “Overcoverage in population registers”, Swedish Research Council, 2021-2026.

£2,654.87, **PI**, “Bayesian Variable Selection in Dynamic Occupancy Models”, Instituto Pirenaico de Ecologia, 2023.

£99,607, **PI**, Knowledge Transfer Partnership with NatureMetrics, Innovate UK, 2022-2023.

£374,437.88, **PI**, “Integrating new statistical frameworks into eDNA survey and analysis at the landscape scale”, NERC, 2020-2023.

£12,000, **PI**, “New statistical models for ecological data collected on migration routes”, Royal Society International Exchanges Scheme, 2019-2021.

£53,584, **CoI**, “Statistical models for wildlife population assessment and conservation”, NERC Advanced training short course funding, 2017-2018.

£28,796, **CoI**, “Statistical models for wildlife population assessment and conservation”, NERC Advanced training short course funding, 2016.

## Project Partners

Current: Durrell Institute of Conservation and Ecology (DICE), Butterfly Conservation, Bumblebee Conservation Trust, Madagascar Fauna and Flora group, Instituto Pirenaico de Ecologia, Stockholm University Demography Unit.

Past: Centre for Ecology and Hydrology (CEH), British Trust for Ornithology (BTO), Animal and Plant Health Agency, NatureMetrics, Centre for Environment, Fisheries and Aquaculture Science (CEFAS), Fishbrain.

## Reviewing roles

Natural Sciences and Engineering Research Council of Canada (NSERC) reviewer (2022)

Irish Research Council (IRC) Laureate Awards Programme reviewer (2022)

Engineering and Physical Sciences Research Council (EPSRC) Mathematical Science Panel member (2021)

Engineering and Physical Sciences Research Council (EPSRC) New Investigator Award reviewer (2020)

## Consultancy

Statistical Consultant for Joint Nature Conservation Committee, providing statistical advice on an in-house assessment of survey design and data analysis options for producing non-breeding population size estimates and density maps of seven high-priority marine waterbird species in England, 2024

Think Piece commissioned by the Environment Agency on [“The contribution of DNA-based methods to achieving socio-ecological resilience”](#). The piece “describes potentially fruitful avenues and sets out opportunities from technological advances in DNA technologies to develop new indicators/metrics suitable for measuring ecological status and functions across aquatic and terrestrial systems”, 2020

## PhD Students

Cam Milliken, 1st year. “Leveraging Machine Learning to Assess the Impact of Other Effective Area-Based Conservation Measures (OECMs) on Bumblebee Populations in the UK”

Supervisors: Eleni Matechou, Christos Efstratiou (Computing), Richard Comont (Bumblebee Conservation Trust)

Cosmo De Bonis-Campbell, 1st year. “Deep learning methods for large citizen science data sets”

Supervisors: Eleni Matechou, Marek Grzes (Computing), Emily Dennis (Butterfly Conservation)

Leonardo Federici, 1st year. “Group dynamics, coordination, and performance in human and non-human social animals.”

Supervisors: Iacopo Iacopini (Northeastern University London), Eleni Matechou

Lucy Brown, 2nd year. “Modelling human population registers”

Supervisors: Eleni Matechou, Bruno Santos, Eleonora Mussino (Stockholm), Ruth King (Edinburgh), Blanca Sarzo (Valencia)

Milly Jones, 3rd year. “New statistical models for distance sampling data”

Supervisors: Diana Cole, Eleni Matechou

Ioannis Rotous, 2024. “Bayesian methods for interpretable and scalable modelling of population dynamics”

Supervisors: Eleni Matechou, Alex Diana, Jim Griffin (UCL)

Currently: PDRA at UCL

Danielle Hendricksen, 2024. “New statistical models for smartphone app data on recreational fishing”

Supervisors: Eleni Matechou, Oscar Rodriguez De Rivera Ortega, Kieran Hyder & David Maxwell (Cefas)

Currently: Data Scientist at the Environment Agency

Fabian Ketwaroo, 2023. “Bayesian hierarchical models for ecological data; estimating population size, spatial and temporal patterns”

Supervisors: Eleni Matechou

Currently: PDRA at Swiss Ornithological Institute, Switzerland

Alex Diana, 2020. “Bayesian non-parametric methods for modelling ecological data and stochastic processes for modelling species interactions”

Supervisors: Eleni Matechou, Alison Johnson (BTO), Jim Griffin (UCL)

Currently: Lecturer in Statistics, University of Essex

Marina Jiménez Muñoz, 2020. “Statistical Methods for the Joint Analysis of Spatial, Sparse or Missing Ecological Data”

Supervisors: Diana Cole, Eleni Matechou, Stephen Baillie & Rob Robinson (BTO)

Awards: Silver award, STEM for Britain, 2019.

Currently: Statistical Consultant, Helmholtz Munich, Germany.

Ming Zhou, 2018. “Statistical Development of Ecological Removal Models”

Supervisors: Rachel McCrea, Eleni Matechou, Diana Cole

Awards: Honourable mention, Young Biometrician Award, British and Irish Region, IBS, 2019

Currently: Data Scientist at The Very Group

## PDRAs and KTP associates

Fabian Ketwaroo, PDRA, May-June 2023

Alex Diana, KTP associate, September 2022-September 2023

Alex Diana, PDRA, March 2020-September 2022

## Interns/Visiting students

Denise Trombin, 2023. Visiting student from University of Turin, Italy.

Alessandro Mari, 2022. Internship in collaboration with the University of Turin, Italy.

Vasileios Fiotakis, 2021. Internship in collaboration with Wageningen University, Netherlands.

## Invited & Plenary talks

*Bayesian nonparametrics conference - 14*, June 2025, LA, USA,

“Bayesian nonparametric models for ecological data.”

*CFE-CMStatistics*, December 2024, London, UK,

“Parametric, nonparametric and repulsive mixture models for ecological data.”

*ICMS: Building Interdisciplinary Solutions to Modern Ecological Challenges*, June 2023, Edinburgh, UK,

“eDNAPlus: A unifying modelling framework for DNA-based biodiversity monitoring.”

*STATLEARN conference*, April 2023, Montpellier, France,

“eDNAPlus: A unifying modelling framework for DNA-based biodiversity monitoring.”

*International Biometric Society meeting on Advanced topics in spatial sampling*, March 2021, virtual,

“How to walk the BeeWalk: modelling bumblebee citizen science data.”

*Statistical Methods for Post-Genomic Data International Conference*, January 2021, virtual,

“New statistical methods for eDNA data.”

*Euring International Conference*, June 2020, virtual, “Modelling survival in ecological studies.”

*Integrating quantitative social, ecological and mathematical sciences into landscape decision - Workshop*,

Isaac Newton Institute, September 2020, virtual,

“Integrating new statistical frameworks into eDNA survey and analysis at the landscape scale.”

*CFE-CMStatistics*, December 2019, London, UK,

“Bayesian capture-recapture models with temporary emigration and heterogeneity.”

*3rd Valencia International Bayesian Analysis Summer School*, July 2019, Valencia, Spain,

“Bayesian modelling of environmental DNA data.”

*Addressing statistical challenges of modern technological advances ICMS*, June 2019, Edinburgh, UK,

“Modelling environmental DNA data.”

*META workshop*, December 2015, Birmingham, UK,

“Modelling migration patterns of wildlife populations using a Bayesian non-parametric approach.”

*RSS 2015 Annual Conference*, September 2015, Exeter, UK, “Bayesian non-parametric population ecology models.”

*Herpetofauna Workers Meeting*, February 2015, Newcastle, UK,

“How easy is it to translocate amphibian and reptile populations? Lessons from removal modelling.”

*IBS Channel Network Conference*, July 2013, St Andrews, UK,

“Integrated Analysis of Capture-Recapture-Resighting Data and Counts of Unmarked Birds.”

## Workshops/Training courses

“Modelling DNA-based data”, with Richard Griffiths, Doug Yu and Alex Diana

- September 2022 & May 2022, University of Kent, UK.

- June 2022, International Statistical Ecology Conference, Cape Town, South Africa.

“New user-friendly software for analysing and interpreting eDNA results.” with Richard Griffiths.

- February 2020, Herpetofauna Workers’ Meeting 2020, Southport, UK.

“Sampling, analysis and interpretation of eDNA data”, with Richard Griffiths and Andrew Buxton.

- September 2019, University of Kent, UK.

NERC advanced training course “Statistical models for wildlife population assessment and conservation”, with Diana Cole and Rachel McCrea.

- March 2018, January 2017 & January 2016, University of Kent, UK.

“Open-population capture-recapture and stopover duration models; recent advances including age-structure and heterogeneity”, with Shirley Pledger and Murray Efford.

- June 2010, International Statistical Ecology Conference, Canterbury, UK.

## Seminars

LSE, February 2025,

“Mixture models in ecology.”

Imperial College London, December 2023,

“Statistical Ecology in the era of “big data”.”

“New models for DNA based single and multi species monitoring.”

- University of Bergamo, May 2022.
- University of St Andrews (virtual), March 2022.
- University of Edinburgh (virtual), March 2022.
- University of Bath (virtual), March 2022.

University of Cape Town (virtual), October 2020,

“Single and multi-species monitoring using environmental DNA.”

University of Glasgow (virtual), October 2020,

“Environmental DNA as a monitoring tool; sampling and methods at the single and multi species level.”

University of Southampton, December 2019,

“Modelling phenology using capture-recapture data.”

Bocconi University, May 2019,

“Bayesian modelling and variable selection for environmental DNA data.”

Collegio Carlo Alberto, Compagnia di San Paolo and University of Torino, November 2018,

“Bayesian nonparametric modelling of phenology using capture-recapture data.”

University of Sheffield, March 2017,

“Modelling phenology in marked and unmarked populations”.

British Trust for Ornithology, October 2015,

“Modelling stopover and related data.”

University of St Andrews, January 2013,

“Modelling the emergence of bivoltine butterfly species using mixtures.”

## Working groups

*In statistical ecology, working groups consist of experts in their field, invited by the organisers in each case, who meet to solve particular problems, discuss trends, write review papers or grant applications.*

December 2022, Lille, France: 3i workshop “Biodiversity and its Conservation”

Organised by Dr Taniel Danelian.

October 2022, Montpellier, France: “Capture-recapture models and social networks”

Organised by Dr Matt Silk and Dr Olivier Gimenez.

May 2015, Annapolis, US: “Models for citizen science insect data”

Organised by Dr Daniel Sheldon, Dr Leslie Ries.

March 2015, Freiburg, Germany: “Model averaging in ecology: reviewing methods and developing guidelines for statistical models”

Organised by Prof Carsten Dormann and Prof Brendan Wintle.

## Refereeing

Referee for (among others): Biometrical Journal, The American Statistician, Statistics and Computing, Applied Categorical and Count Data Analysis, Frontiers in Ecology and Evolution, Journal of Statistical Theory and Practice, Plos One, eDNA, Journal of Agricultural, Environmental and Ecological Statistics, Methods in Ecology and Evolution, Biometrics, Nature Ecology & Evolution, Biology Letters, Ecology, Proceedings of the Royal Society B: Biological Sciences, Annals of Applied Statistics.

## Publications

1. **Invited** Milly Jones, Alex Diana, **Eleni Matechou**, Diana Cole, Jim Griffin, Sara Peixoto, Lori Lawson Handley, Andrew Buxton. More than presence-absence; modelling (e)DNA concentration across time and space from qPCR survey data. *Topical Collection on Ecological Statistics, Journal of Statistical Theory and Practice*, 19(68), article 68, 2025.
2. Emily B Dennis, Alex Diana, **Eleni Matechou**, Byron J T Morgan, Authors' reply to the Discussion of 'Efficient statistical inference methods for assessing changes in species' populations using citizen science data' at the 'Discussion meeting on the analysis of citizen science data', *Journal of the Royal Statistical Society Series A: Statistics in Society*, Volume 188, Issue 3, July 2025, Pages 722–72.
3. **RSS Discussion Paper** Emily B Dennis, Alex Diana, **Eleni Matechou**, Byron J T Morgan, Efficient statistical inference methods for assessing changes in species' populations using citizen science data, *Journal of the Royal Statistical Society Series A: Statistics in Society*, Volume 188, Issue 3, July 2025, Pages 641–657.
4. Ioannis Rotous, Alex Diana, **Eleni Matechou**. A Pólya Tree modelling framework for batch-mark data. *The Annals of Applied Statistics*, 19(2) 1110 - 1126, 2025.
5. Pringle, Stephen, Dallimer, Martin, ... **Eleni Matechou**, ... Fisher, Jessica C. Opportunities and challenges for monitoring terrestrial biodiversity in the robotics age, *Nature Ecology & Evolution*, 9(6), 1031–1042, 2025.
6. Alex Diana, **Eleni Matechou**, Jim Griffin, Douglas Yu, Mingjie Luo, Marie Tosa, Alex Bush, and Richard Griffiths. eDNAPlus: A unifying modelling framework for DNA-based biodiversity monitoring. *Journal of the American Statistical Association*, 120(549), 120–134, 2025.
7. Fabian R Ketwaroo, **Eleni Matechou**, Matthew Silk and Richard Delahay. Modeling Disease Dynamics From Spatially Explicit Capture-Recapture Data. *Environmetrics*, 36(1), e2888, 2025.
8. Helen Pheasey, Richard A Griffiths, **Eleni Matechou** and David L Roberts. Motivations and sensitivities surrounding the illegal trade of sea turtles in Costa Rica, *Ecology and Society*, 28(4):2023.
9. Bruno Santos, Eleonora Mussino, Sven Drefahl, **Eleni Matechou**, Using Population register data and capture-recapture models to estimate over-coverage in Sweden, *Scientific Reports*, 14(1), 1-10, 2024.
10. Fabian R Ketwaroo, **Eleni Matechou**, Rebecca Biddle, Simon Tollington, and M. L. Silva. Models with observation error and temporary emigration for count data. *The Annals of Applied Statistics*, 18(4), 2909-2927, 2024.
11. Eleonora Mussino, Bruno Santos, Andrea Monti, **Eleni Matechou**, and Sven Drefahl. Multiple systems estimation for studying over-coverage and its heterogeneity in population registers. *Quality & Quantity*, 1-10, 2023.
12. Alex Diana, **Eleni Matechou**, Jim E Griffin, Todd Arnold, Simone Tenan, and Stefano Volponi. A general modeling framework for open wildlife populations based on the Polya tree prior. *Biometrics*, 79(3): 2171-2183, 2023.
13. Alex Diana, Emily B Dennis, **Eleni Matechou**, and Byron JT Morgan. Fast Bayesian inference for large occupancy datasets. *Biometrics*, 79(3): 2503-2515, 2023.
14. **Eleni Matechou** and Raffaele Argiento. Capture-recapture models with heterogeneous temporary emigration. *Journal of the American Statistical Association*, 118(541):56–69, 2023.
15. **Invited** Alison Johnston, **Eleni Matechou**, and Emily B Dennis. Outstanding challenges and future directions for biodiversity monitoring using citizen science data. *Methods in Ecology and Evolution*, 14:103–116, 2023.

16. Alex Diana, **Eleni Matechou**, Jim E Griffin, Yadvendradev Jhala, and Qamar Qureshi. A vector of point processes for modelling interactions between and within species using capture-recapture data. *Environmetrics*, 33(8):e2781, 2022.
17. Andrew S Buxton, Alex Diana, **Eleni Matechou**, Jim E Griffin, and Richard A Griffiths. Reliability of environmental DNA surveys to detect pond occupancy by newts at a national scale. *Scientific reports*, 12(1):1–10, 2022.
18. Alex Diana, **Eleni Matechou**, Jim E Griffin, Andrew S Buxton, and Richard A Griffiths. An RShiny app for modelling environmental DNA data: accounting for false positive and false negative observation error. *Ecography*, 44(12):1838–1844, 2021.
19. Andrew S Buxton, **Eleni Matechou**, Jim E Griffin, Alex Diana, and Richard A Griffiths. Optimising sampling and analysis protocols in environmental DNA studies. *Scientific Reports*, 11(1):1–10, 2021.
20. Emma L Betts, Sumaiya Hoque, Lucy Torbe, Jessica R Bailey, Hazel Ryan, Karen Toller, Vicki Breakell, Angus I Carpenter, Alex Diana, **Eleni Matechou**, et al. Parasites, drugs and captivity: blastocyst-microbiome associations in captive water voles. *Biology*, 10(6):457, 2021.
21. Helen Pheasey, **Eleni Matechou**, Richard A Griffiths, and David L Roberts. Trade of legal and illegal marine wildlife products in markets: integrating shopping list and survival analysis approaches. *Animal Conservation*, 24(4):700–708, 2021.
22. Katarzyna Wojczulanis-Jakubas, Marina Jiménez-Muñoz, Dariusz Jakubas, Dorota Kidawa, Nina Karnovsky, Diana Cole, and **Eleni Matechou**. Duration of female parental care and their survival in the little auk alle alle-are these two traits linked? *Behavioral Ecology and Sociobiology*, 74(7):1–11, 2020.
23. Alex Diana, **Eleni Matechou**, Jim E Griffin, and Alison Johnston. A hierarchical dependent Dirichlet process prior for modelling bird migration patterns in the UK. *The Annals of Applied Statistics*, 14(1):473–493, 2020.
24. Jim E Griffin, **Eleni Matechou**, Andrew S Buxton, Dimitrios Bormpoudakis, and Richard A Griffiths. Modelling environmental DNA data; Bayesian variable selection accounting for false positive and false negative errors. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 69(2):377–392, 2020.
25. Marina Jiménez-Muñoz, Diana J Cole, Stephen N Freeman, Robert A Robinson, Stephen R Baillie, and **Eleni Matechou**. Estimating age-dependent survival from age-aggregated ringing data; extending the use of historical records. *Ecology and evolution*, 9(2):769–779, 2019.
26. Ming Zhou, Rachel S McCrea, **Eleni Matechou**, Diana J Cole, and Richard A Griffiths. Removal models accounting for temporary emigration. *Biometrics*, 75(1):24–35, 2019.
27. Alex Diana, Jim E Griffin, and **Eleni Matechou**. A Polya tree based model for unmarked individuals in an open wildlife population. In *International Conference on Bayesian Statistics in Action*, pages 3–11. Springer, 2018.
28. **Eleni Matechou**, Stephen N Freeman, and Richard Comont. Caste-specific demography and phenology in bumblebees: modelling BeeWalk data. *Journal of Agricultural, Biological and Environmental Statistics*, 23(4):427–445, 2018.
29. Carsten F Dormann, Justin M Calabrese, Gurutzeta Guillera-Arroita, **Eleni Matechou**, Volker Bahn, Kamil Bartoń, Colin M Beale, Simone Ciuti, Jane Elith, Katharina Gerstner, et al. Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. *Ecological Monographs*, 88(4):485–504, 2018.
30. **Eleni Matechou** and François Caron. Modelling individual migration patterns using a Bayesian non-parametric approach for capture–recapture data. *The Annals of Applied Statistics*, 11(1):21–40, 2017.
31. **Eleni Matechou**, Rachel S McCrea, Byron JT Morgan, Darryn J Nash, and Richard A Griffiths. Open models for removal data. *The Annals of Applied Statistics*, 10(3):1572–1589, 2016.
32. **Eleni Matechou**, Ivy Liu, Daniel Fernández, Miguel Farias, and Bergljot Gjelsvik. Biclustering models for two-mode ordinal data. *Psychometrika*, 81(3):611–624, 2016.



33. **Eleni Matechou**, Geoff K Nicholls, Byron JT Morgan, Jaime A Collazo, and James E Lyons. Bayesian analysis of Jolly-Seber type models. *Environmental and Ecological Statistics*, 23(4):531–547, 2016.
34. **Eleni Matechou**, Lindall R Kidd, and Colin J Garroway. Reproductive consequences of the timing of seasonal movements in a non-migratory wild bird population. *Ecology*, 96(6):1641–1649, 2015.
35. **Eleni Matechou**, Emily B Dennis, Stephen N Freeman, and Tom Brereton. Monitoring abundance and phenology in (multivoltine) butterfly species: a novel mixture model. *Journal of Applied Ecology*, 51(3):766– 775, 2014.
36. **Eleni Matechou**, Shirley Pledger, Murray Efford, Byron JT Morgan, and David L Thomson. Estimating age-specific survival when age is unknown: open population capture–recapture models with age structure and heterogeneity. *Methods in Ecology and Evolution*, 4(7):654–664, 2013.
37. **Eleni Matechou**, Byron JT Morgan, Shirley Pledger, JA Collazo, and JE Lyons. Integrated analysis of capture–recapture–resighting data and counts of unmarked birds at stop-over sites. *Journal of Agricultural, Biological, and Environmental Statistics*, 18(1):120–135, 2013.

## Manuscripts under review

1. Yinqiu Ji, Alex Diana, Xueyou Li, **Eleni Matechou**, Jim E. Griffin, Shuwei Liu, Shuwei Liu, Mingjie Luo, Chunying Wu, Ru Bai, Douglas W. Yu, Viorel D. Popescu. High quality, granular, timely, trustworthy, and efficient vertebrate species distribution data across a 30,000 km<sup>2</sup> protected area complex. submitted.
2. Ioannis Rotous, **Eleni Matechou**, Alex Diana, Alessio Farcomeni. Hidden Markov models with an unknown number of states and a repulsive prior on the state parameters. submitted.
3. Milly Jones, Diana Cole, Eleni Matechou. Models for data collected along transects. in prep.

## Meetings/Sessions Organised

Migration and Movement in Ecology meeting, funded by the Migration and Movement Signature Research Theme, University of Kent, May 2022, [link](#)

RSS conference session on The Role of Statistics in Decision-Making at the Landscape Scale, online, September 2021, [link](#)

ESS meeting on Future Directions in Biodiversity Monitoring Using Citizen Science Data, online, June 2021, [link](#)

ESS meeting on eDNA: Challenges and Opportunities, online, October 2020, [link](#)

Organising committee of the 10th NCSE summer meeting, University of Kent, June 2017.

ESS meeting on Model Averaging, University of Kent, October 2016, [link](#)

## Outreach and Public Engagement

Environmental, ingested, ancient: how DNA-based surveys are changing the way we monitor biodiversity, Simon Langton Grammar School for Boys, Canterbury, 2024

Forecasting the result of the US elections, Royal Society Master Class, online, 2021

Capture-recapture models and their applications, At Kent taster day, University of Kent, 2019

Stats gone wild, outreach event, University of Kent, 2017, 2019, 2022, 2024

Statistics in nature: Capture-recapture models and their applications, CPD event, University of Kent, 2015

Capture-recapture models and their applications, outreach event, St Peters College, Oxford, 2014



## Training

EDI and related Moodle courses (2022-2023)

- Bullying and Harassment, Deaf Awareness, LGBTQI Awareness, Challenging Racism, Identifying and Responding to Student Mental Health Problems, Diversity in Higher Education, Active Bystander, Unconscious Bias.

Leadership training

- Crucial Conversations (2023), during which I developed the skills to approach sensitive topics of conversation with people I manage, or people who manage me.
- Stepping Up (2022), during which I learned what makes an effective and inspiring leader and about EDI from the perspective of being a leader.

## Teaching

Applied Statistics I, UG, Queen Mary, University of London, 2026

Applied Statistics II, UG, Queen Mary, University of London, 2025

Applied Statistical Modelling, UG, University of Kent, 2025

Data Science with R, PG, University of Kent, 2024

Introduction to Bayesian Statistics, Graduate and Researcher College, University of Kent, 2023

Introduction to Data Analytics, UG, University of Kent, 2023-2024

Applied Statistical Modelling, Year 2 UG, University of Kent, 2020-2024

Advanced Regression Modelling, PG, University of Kent, 2016 & 2018-2020

Statistical Learning, Year 3 UG & PG, University of Kent, 2019-2021

Modelling Complex Data, Graduate and Researcher College, University of Kent, 2019-2023

Statistics and Probability for Actuarial Science, Stage 2 UG & PG, 2014-2017

Applied Statistics, Year 3 UG, University of Oxford, 2011-2013

Generalised Linear Models, PG, University of Oxford, 2012-2014

Contingency Tables, PG, University of Oxford, 2013-2014

Statistics for the Natural and Social Sciences, Year 1 UG, Victoria University of Wellington, 2011

Applied Statistics, Year 2 UG, Victoria University of Wellington, 2011

Applied Statistics, PG, Victoria University of Wellington, 2011

## Internal Roles

2015–currently : Lead of Statistical Ecology @ Kent group, University of Kent

- Mentoring and creating research opportunities for early career colleagues by involving them in my externally funded projects and research papers, and in the supervision of PhD students, supporting colleagues to grow as researchers and widen their research network, organising weekly research-social events with internal and external speakers, creating a group identity, both internally and externally, and an internationally recognised SE@K brand and social media presence.

2021–currently : Programme Director and Admissions Officer for BSc in Data Science, University of Kent

- Writing programme and module specifications, coordinating between Statistics and Computing, preparing promotional videos and other material to launch programme, regular communication with students and staff to ensure smooth operation of this new programme, identifying further opportunities for widening participation and embedding employability skills within the programme through training and industry-led projects.

2016–2017 : Year in Data Analytics working group, University of Kent

- Designing this new, innovative, programme for students without a statistics background, in collaboration with colleagues from the School of Social Policy, Sociology and Social Research. The programme received the CEMS Divisional award of the University Teaching prizes for its "non-traditional design" and for "its innovation (that) lies in the integration of this programme across subjects/ Divisions with opportunities for students to develop wider disciplinary perspectives and graduate outcomes."

2015–2017 : Seminar Organiser, University of Kent

- Organising bi-weekly seminars with national and international invited speakers.

2015–16 : Recharge Your Maths steering group, University of Kent

- Designing a Moodle tool and material for assessing the entry level knowledge of students and identifying their needs for additional support.

2011–2014 : Admissions officer for MSc in Applied Statistics, University of Oxford

- Assessing hundreds of applicants for admission to this competitive MSc.