

KYNAN DELANEY

Biologist & Data Scientist

I am an ecologist and statistics advisor at the University of Edinburgh. My research interests have been focused on how ageing manifests in demography, phenotypic traits, and across shifts in environment. Through my work, I have gained quantitative skills in diverse forms of analysis, from time series and survival analyses, to computer-vision and GIS methods. My work involved primary data collection, the analysis of existing data-sets, and the development of new bioinformatics tools.



EDUCATION

2024
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2019

University of Edinburgh

PhD Ecology & Evolution

📍 Edinburgh, UK

Thesis: Plasticity of ageing in burying beetles

2018
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2017

Exeter University

MSc Evolutionary & Behavioural Ecology

📍 Exeter, UK

Thesis: Ageing in female mate choice in *Drosophila simulans*

2016
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2012

Trinity College Dublin

BA Mod(Hons) Zoology

📍 Dublin, Ireland



PROFESSIONAL EXPERIENCE

May,
2025
|
Nov,
2024

Ashworth Demonstrator - general statistics support

University of Edinburgh

📍 Edinburgh, UK

- I provided support for statistics and R coding for 4th year thesis projects in Zoology, Ecology, Evolutionary Biology, Immunology, and Plant Sciences. I led tutorials on foundational concepts of statistics - interpretation of data, study design, analyses, and inference. I also prepared, created, and delivered teaching materials and lectures on introductory statistics.

2021
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2020

Postgraduate Course Demonstrator

University of Edinburgh

📍 Edinburgh, UK

- I provided in-person support to MSc students on an introductory statistics course (PGBI11003) for MSc/Diploma in Bioinformatics. I led learning sessions concerning theory and practical applications of statistical methods.

2019

Technical Support Specialist

Voxpro

📍 Dublin, Ireland

- I provided technical support over phone and email for addressing hardware and software issues with smart-home security installations. This role involved direct communication with customers, engineers, and identification of emerging trends for team training.

CONTACT INFO

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in kynan-delaney

☎ +44 7734 694069

SKILLS

Languages

R, Python, and SQL

Data processing and visualisation

Tidyverse tools, flexdashboard, and RMarkdown
Shiny for R/Python
Computer vision methods
PyQt, Dash, and Shiny
Postgres and SQLite

Analysis

Power analyses
GLMMs, GAMMs, Survival Analyses, and Time-series analyses
Mark-recapture Population Modelling
Bayesian & Frequentist methods
Spatial modelling
Computer Vision methods

Technical Skills

Academic Writing and Presentation
Field Data-Collection
3D Design, Scanning, and Printing
Soldering, Electronics, and Data-Logger Configuration.



PUBLICATIONS

- 2025 ● **High-volume, computer-aided recognition of small invertebrates with discrete patterning**
Under review
Delaney, K. L., Delaney, E., Moorad, J.
- 2025 ● **Persistent maternal age effects on male offspring fitness traits in a wild mammal population**
Under review
Ravindran, S., Delaney, K. L., , Bal, X., Pilkington, J. G., Pemberton, J. M., Moorad, J. A., Froy, H., Nussey, D. H.
- 2019 ● **Flexible polyandry in female flies is an adaptive response to infertile males**
Behavioral Ecology, 30(6), 1715-1724.
Sutter, A., Travers, L. M., Oku, K., Delaney, K. L., Store, S. J., Price, T. A., & Wedell, N.



COMMUNICATIONS

- 2024 ● **Ageing across environments - how burying beetles age in the laboratory and the wild**
Talk for the Scottish Ecological Ageing Research Group
📍 Edinburgh, UK
- 2023 ● **Plasticity of ageing in burying beetles**
Talk for the Darwin Trust Symposium
📍 Edinburgh, UK
- 2023 ● **Ageing in wild- and lab-living beetles**
Talk for the European Meeting for PhD Students in Evolutionary Biology
📍 Millport, UK



REFERENCES

- **Dr. Jacob Moorad**
 - Jacob.Moorad@ed.ac.uk
 - Institute of Ecology and Evolution, School of Biological Sciences, University of Edinburgh, Edinburgh EH9 3FL, United Kingdom
- **Prof. Nick Colegrave**
 - N.Colegrave@ed.ac.uk
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