

JODIE LORD

PhD | MSc | MSc | BSc



EDUCATION

2022
|
2018



PhD, Biostatistics and health informatics

King's College London

- Thesis: Integrative metabolomics for the prediction and causal understanding of Alzheimer's disease
- Awards:
 - Early career investigator programme award – World Congress of Psychiatric Genetics, 2019.
 - Best academic poster – KCL Neuroscience Symposium, 2019.
 - Alzheimer's Research UK travel grant, 2020.

2021
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2019



MSc, Statistical modelling and health informatics (Distinction, 88%)

King's College London

- Thesis (grade: 93%): Application of exploratory mediation for the identification of biological mediators within highly correlated data
- 1 year partial scholarship awarded from IoPPN Biostatistics.
- Module grades:
 - Statistical Programming: 96%
 - Machine Learning: 98%
 - Prediction Modelling: 88%
 - Multilevel and Longitudinal Modelling: 83%
 - Causal Modelling: 76%
 - Structural Equation Modelling: 70%

2018
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2017



MSc, Neuroscience (Distinction, 78%)

King's College London

- Thesis (grade: 89%): Disentangling Anorexia Nervosa using Genetics
- Graduated within the top 2% of a cohort of >100 students.

2013
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2010



BSc, Psychology (1st class)

University of Exeter

- Thesis (grade: 73%): Assessing the link between sports concussion and cognitive impairment in a cohort of university rugby players
- 83% in both 1st year and 2nd year Statistics, 79% in 1st year Research Methods, 80% in 2nd year Biological Psychology, 77% in 2nd year Cognitive Psychology, 76% in 3rd year Brain Imaging

CONTACT

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KEY SKILLS

Data science / statistics

Product management

Leadership

Public speaking / presenting

Research

Data visualisation

CODING LANGUAGES

R

Python

Stata

Bash

HOBBIES

Running, cycling, spending time with my Labrador, anything outdoors.



INDUSTRY EXPERIENCE

2017
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2016

- **Product Owner / Product Analyst**
AIMIA 📍 London, UK
 - Working within one of four core feature teams, the primary focus of this role was to drive the development of a newly launching global analytics platform, from concept to delivery.
 - Owned the developmental backlog; defining and prioritising scope and signing of implemented features.
 - The leading face of a team of 6 back-end and front-end developers, and 4 test-analysts, with a responsibility of co-ordinating multiple teams, both onshore and offshore.

2016
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2015

- **Business Analyst / Product Consultant**
Financial Express 📍 London, UK
 - Driving the development of a productised web-based platform, managing elements similar to the product owner role cited above.

2015
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2013

- **Account Manager**
Financial Express 📍 London, UK
 - Managing the relationship and retention of > 50 institutional financial client accounts based across London, Ireland and Channel Islands. Clients included; Aviva, HSBC, Fidelity and Standard Life.



ACADEMIC AND RESEARCH EXPERIENCE

Current
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2021

- **Research Associate & Statistician**
King's College London 📍 London, UK
 - Working collaboratively with the multidisciplinary research team to advise on and conduct analytical components of clinical trials.

2021
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2018

- **Graduate Teaching Assistant**
King's College London 📍 London, UK
 - Module lead for the BSc Psychology 'Big Data Analytics in Python' mini-module. Teaching materials are openly accessible via my [github](#). Here, I was responsible for producing and delivering all course content and assessment material.
 - Teaching assistant in research methods modules for BSc Psychology students, [R workshops](#) and journal clubs for MSc Neuroscience students, and prediction modelling modules for MSc Statistical Modelling students

2018
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2018



Research Assistant

Oxford University in collab. with King's College London London, UK

- Collaborating with a team of clinical psychologists and fellow research assistants to undertake an experimental protocol aimed at utilising cognitive models to reduce social anxiety in high school students.

2013
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2011



Research Intern

University of Exeter

Exeter, UK

- Planning and assistance at London based neuroscience conferences. Topics focussed on neuroplasticity following early life trauma and the links between traumatic brain injury and offending behaviour.
- Involved in the co-creation of a website designed to inform the public on neuroscience issues.
- Data analysis support (SPSS).

DATA CHALLENGES

2022
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2020



TidyTuesday weekly social data challenge

R for Data Science

Remote

- A weekly social data challenge conducted using R and the tidyverse.
- A number of participations across both 2020 and 2022
- Visual and code for latest visualisation produced available at: github.com/jodielord/TidyTuesdays/2022/2022-Feb-dog-breeds

2020



DPUK Datathon

Dementias Platform UK

Remote

- A two week datathon in which attendees are randomly assigned into groups and together tasked with wrangling and interrogating large scale data related to dementia and cognitive aging.
- Project produced: Predicting latent cognitive trajectories in the English Longitudinal Study of Ageing using SEM and cluster-based algorithms.



SELECTED PUBLICATIONS

2022



Disentangling independent and mediated causal relationships between blood metabolites, cognitive factors, and Alzheimer's Disease

Biological Psychiatry: GOS

- [Lord, J.](#), Green, R., Choi S.W., Hubel, C., Aarsland, D., ... & Proitsi, P.

- 2021 ● **Mendelian randomization identifies blood metabolites previously linked to midlife cognition as causal candidates in Alzheimer' disease**
 Proceedings of the National Academy of Sciences
 • [Lord, J.](#), Jermy, B., Green, R., Wong, A., Xu, J., Legido-Quigley, C., ... & Proitsi, P.
- 2021 ● **A genome-wide association study of plasma phosphorylated tau₁₈₁**
 Neurobiology of Aging
 • [Lord, J.](#), Zettergren, A., Ashton, N., Karikari, T.K., N. J., Benedet, Simren, J., ... Proitsi, P.
- 2021 ● **Metabolic underpinnings of late midlife cognitive function**
 Brain Communications
 • Green, B., [Lord, J.](#), Xu, J., Maddock, J., Kim, M., Dobson, R., ... & Proitsi, P.
- 2020 ● **Integrated lipidomics and proteomics network analysis highlights lipid and immunity pathways associated with Alzheimer's**
 Translational Neurodegeneration
 • Xu, J., Bankov, G., Kim, M., Wretling, A., [Lord, J.](#), Green, R., ... & Legido-Quigley, C.

A full list of academic publications are available on my [Google Scholar](#) profile

CV made with the R package
[pagedown](#).

Code available at
github.com/jodiellord/cv.

Last updated on 2022-04-18.