Dr Eoin Travers

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eointravers.com (Blog & Full CV)

{ **Data Cognitive** } **Science**
Neuro Behavioural

I'm a cognitive scientist, an expert in the study of decision-making and the statistical analysis of behavioural and biological data, and an experienced programmer in Python, R, and more. I'm interested in applying these skills in the real world.

What I do

Research Decision-Making • Inference • Action • EEG • Metacognition • Consciousness • Reinforcement Learning

Analyse Statistical and Computational Modelling • Bayesian Methods • Machine Learning

Code Python (pandas, sklearn, etc.) • R (tidyverse, ggplot) • Stan • SQL • Full stack web development (JavaScript, nodejs, LAMP, flask) • Unix, git, etc. •

Communicate BBC • Cheltenham Science Festival • Tate Modern

Teach Lectures • Supervision • Workshops (R and Statistical Modelling)

Where I've done it

July 2017 → Now **Institute of Cognitive Neuroscience, UCL** / *Postdoctoral researcher*
Using EEG, fMRI, and online data to studying the neural basis of self-initiated actions: how the brain decides to control the body • Using R for statistical analysis, and python for biological signal processing, machine learning, and computational modelling • Released evidently, an open-source python package for simulating evidence accumulation models • Supervising and mentoring MSc and PhD students in a large research lab.

Jan 2016 → June 2017 **Institute of Philosophy, University of London** / *Postdoctoral researcher*
Exploring the role of conscious and metacognitive awareness in judgement and perceptual decision-making, in collaboration with philosophers, psychologists, neuroscientists, and engineers • R & Python throughout • Extensive multidisciplinary public outreach • Developed institute research participant database.

Sept 2012 → Dec 2015	**School of Psychology, Queen's University Belfast** / *PhD Psychology* Using kinematics to study conflict during reasoning and decision-making • Thesis title: *The Dynamics of Conflict in Reasoning* • Released software for cursor tracking (JavaScript and Python), and [squeak](#), a Python package for mouse cursor analysis • Lecturing in BSc programme.
Sept 2009 → July 2012	**School of Psychology, Queen's University Belfast** / *BSc Psychology* British Psychology Society-accredited BSc • First-class honours.
Then → Now	**Others** Publishing scientific research and presenting at international conferences • External workshops on statistics, linear mixed models, and R • Internal workshops on Open Science, git, statistics, web development, and more • Industry consultancy.

Where to find out more

My Full CV, list of publications, lots of code, and a blog where I talk about statistics, coding, and science, can all be found at **[EoinTravers.com](#)**