

Eleanor Hyde

www.eleanorhyde.com



ABOUT ME

I'm a PhD Student, Research Associate and GTA in the Department of Psychology at the University of Sheffield. My main research interest is cognitive plasticity and how we can boost cognition with interventions such as cognitive training and engagement in leisure activities. Specifically, I am interested in how First Person Shooter (FPS) gameplay impacts cognition.

I have 2 years of experience as a Masters Supervisor and a Research Associate on a large-scale international cognitive training study, with further experience as a Research Assistant. I also have experience as a GTA: teaching and marking on various Psychology Undergraduate and Masters streams.

KEY SKILLS

- Excellent interpersonal skills, both written and verbal
- Data management and advanced statistical analysis in R
- Computational modelling
- Supervision of students
- Marking assignments
- Research Coordination
- In-person and online data collection

ADDITIONAL ROLES

Research Culture Steering Board Member 2023 – Present

Psychology PGR Students Academic Representative 2021 – 2023

Psychology PGR Society Inclusion Officer 2021 – 2022

EMPLOYMENT

Graduate Teaching Assistant (GTA)

The University of Sheffield January – May 2024

Supporting teaching, delivering lab class activities, and marking on the Level 3 Undergraduate module [Coding for Psychologists \(PSY31008\)](#), which introduces processing and managing data sets with R, with a focus on processing data from psychological research.

Graduate Teaching Assistant (GTA)

The University of Sheffield February – March 2024

Marking coursework from the Level 1 Undergraduate [Cognitive Psychology \(PSY1002\)](#) module. This module provides an overview of the core components of cognition and the principles of their investigation.

Research Associate

The University of Sheffield July 2022 – March 2023

Coordinated the international [ESRC-funded project](#) titled: “Cognitive Training Effects Across the Adult Lifespan: A Diffusion Modelling Approach.” In this role, I implemented the study design, coordinated data collection on a day-to-day basis, oversaw the hiring, training, and management of managed Research Assistants, analysed data using advanced statistical methods and contributed to disseminating findings to conferences and publications with our international colleagues.

Research Assistant

The University of Sheffield May 2022 – July 2022

Developed a series of video tutorials which helped make Tatool-Web (www.tatool-web.com): a free, open-source research software package for implementing and conducting online and offline behavioural experiments) more accessible to novice users.

EDUCATION

PhD Psychology

The University of Sheffield 2021 – Present

Topic: The cognitive correlates of FPS games. Supervised by [Dr Claudia von Bastian](#), [Dr Dan Carroll](#) and [Prof. Robert Schmidt](#).

MSc Cognitive Neuroscience and Human Neuroimaging

The University of Sheffield 2019 – 2021

Grade: Distinction

Modules: Fundamentals of Neuroscience, Fundamentals of Cognition, Neuroimaging 1&2, Neuroanatomy, Systems Neuroscience, Data Analysis and Visualisation.

Research Project: Action video gamers' task switching and processing speed abilities: a mixed method investigation. Supervised by [Dr Claudia von Bastian](#).

BSc Psychology

The University of Hull 2016 – 2019

Grade: 2:1

Modules: Research Skills, Neuroscience, Cognition & Development, Social Psychology & Autism, Individual Differences, Psychological Wellbeing, Health Psychology, Global Challenge.

Research Project: An investigation into attentional bias towards academic threat words among high- and low-test anxious university students. Supervised by [Dr Henning Holle](#).

MEMBERSHIPS

Psychonomics Society

European Society for
Cognitive Psychology
(ESCOPE)

Women in Cognitive Science
(WiCS)

Cognitive Ability and
Plasticity Lab (CAP Lab)

REFERENCES

Dr Claudia von Bastian

The University of Sheffield

Dr Tim Riley

The University of Sheffield

Dr Dan Carroll

The University of Sheffield

Prof. Robert Schmidt

Ruhr-Universität Bochum

Institut für Neuroinformatik

Universitätsstraße

Prof. Tilo Strobach

Medical School Hamburg

Dr Henning Holle

The University of Hull

TEACHING & SUPERVISION

Coding for Psychologists (PSY1008)

The University of Sheffield January – May 2023

Supporting teaching, delivering lab class activities, and marking on this Level 3 Undergraduate module.

Cognitive Neuroscience MSc Research Projects

The University of Sheffield 2021 – Present

Supervised and marked two Research Projects from Cognitive Neuroscience MSc students. Both projects investigated the cognitive correlates of FPS play: the first assessed processing speed and working memory, and the second assessed processing speed and Hebbian learning.

PUBLICATIONS

Hyde, E. R. A., Carroll, D. J., Schmidt, R., & von Bastian, C. C. (*in Prep*). Processing Speed and Multitasking performance in FPS players: a Drift-Diffusion Model approach.

von Bastian, C. C., Hyde, E. R. A. & Jiang, S. (2024). Tackling Cognitive Decline in Late Adulthood: Cognitive Interventions. *Current Opinion in Psychology*, 56(101780).

<https://doi.org/10.1016/j.copsyc.2023.101780>

TALKS

Memory & Attention Laboratory, University of South Dakota 2024 "Processing speed and multitasking in FPS players: a drift-diffusion model approach"

Psychology Research Fair, The University of Sheffield 2024 "Processing speed and multitasking performance in Counter-Strike players: a cross-sectional study"

Symposium on Cognitive Abilities & Plasticity (SoCAP), The University of Sheffield 2024 "Processing speed and multitasking in counter-strike players: a drift-diffusion model approach"

Faculty of Psychology, Universitas Indonesia 2023 "Cognitive Correlates of first-person shooter gaming"

BTEC Esports, Sheffield United Community College 2023 "Researching Videogaming & Esports as a Window to Cognitive Plasticity"

OpenFest, The University of Sheffield 2022 "Tatool-Web Support and Interface for Experimental Code"

CONFERENCES

4th International Conference on Working Memory (ICWM) 2024 Leeds, UK "A cross-sectional study of Hebb repetition-learning in first-person shooter game players" – Poster.

Psychonomics Society 2023 San Francisco, USA "Methodological challenges of videogame research" – Poster.

European Society for Cognitive Psychology (ESCOPE) 2023 Porto, Portugal. "Cognitive correlates of action video gaming: a cross-sectional study of counter-strike players" – Poster.

Psychonomics Society 2022 Boston, USA. "Cognitive correlates of action video gaming: a cross-sectional study of habitual and professional counter-strike players" – Poster.

Learning and Plasticity (LaP) 2022 Äkäslompola, Finland. "The association between video game expertise and processing speed, task mixing and switching in counter-strike players" – Talk.