

EMMA L HENDERSON

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FORMAL EDUCATION & ACADEMIC POSITIONS

Postdoctoral Research Fellow University of Surrey Research Culture & Open Research	2021 – present
PhD Psychology Kingston University Thesis: Dispelling illusions of truth: Exploring the factors that lead to inflated truth judgements Supervisors: Prof Frédéric Vallée-Tourangeau & Prof Chris Chambers	2017 – 2021
Ad-hoc Lecturer Kingston University Department of Psychology Module: Research Design & Analysis	2018 – 2020
Research Associate Kingston University Business School Department of Management [full-time, paid position]	2016 – 2017
MSc Psychology (Distinction) Kingston University	2015 – 2016
BA (Hons) Classical Civilisation University of Leeds	1996 – 1998

RESEARCH INTERESTS

My early research investigated how people might use non-probative cues, such as repetition, to make truth judgements in the absence of any probative information or knowledge. I focused on the replicability of these *truth effects* with a view to understanding the robustness of the literature, and the implications of their real-world application. My current research concentrates on behaviour change, and how behaviour change frameworks can be used both to understand the influences on open research behaviours, and to create interventions to promote uptake.

Truth Illusions | Metacognition | Open Research | Meta-science | Registered Reports | Research Methods | Behaviour Change | Scientific Understanding & Communication | Judgement & Decision Making

PRINCIPLES & VALUES

My goal is to conduct and promote rigorous, transparent science ethically throughout my career. Where possible I write and publish my research as Registered Reports. I use the Open Science Framework (OSF) to share materials, data, scripts and lab logs. I prioritise submitting papers to open access outlets that select based on scientific validity rather than subjective impact.

PEER REVIEWED PUBLICATIONS

Henderson, E. L., Marcu, A., Atkins, L., & Farran, E. K. (submitted to PCI-RR). Investigating the barriers and enablers to data sharing behaviours: A qualitative Registered Report. [[Registered Report – stage 1](#)]

Corneille, O., Havemann, J., **Henderson, E. L.**, IJzerman, H., Hussey, I., ...Leon D Lotter (2023). Beware 'persuasive communication devices' when writing and reading scientific articles. *eLife*. [[paper](#)]

Topor, M., Pickering, J. S., Barbosa Mendes, A., Bishop, D. V. M., Büttner, F. C., **Henderson, E. L.**, ... Westwood, S. J. (in press). An integrative framework for planning and conducting Non-Interventional, Reproducible, and Open Systematic Reviews (NIRO-SR). *Meta-Psychology*.

Henderson, E. L., & Chambers, C. D. (2022). Ten simple rules for writing a Registered Report. *PLOS Computational Biology*. [[paper](#)]

Evans, T. R., Pownall, M., Collins, E., **Henderson, E. L.**, Pickering, J. S., O'Mahony, A., ... Dumbalska, T. (2022). A network of change: United action on research integrity. *BMC Research Notes*. [[paper](#)] [[preprint](#)]

Parsons, S., ... **Henderson, E. L.**, ... Aczel, B (2022). A community-sourced glossary of open scholarship terms. *Nature Human Behaviour*. [[paper](#)] [[postprint](#)]

Henderson, E. L., Westwood, S. J., & Simons, D. J. (2021). A reproducible systematic map of research on the illusory truth effect. *Psychonomic Bulletin & Review*. [[Registered Report – stage 2](#)], [[Registered Report – stage 1](#)] [[preregistration](#)] [[map database](#)]

Henderson, E. L., Simons, D. J. & Barr, D. J. (2021). The trajectory of truth: A longitudinal study of the illusory truth effect. *Journal of Cognition*, 4(1), 29. [[Registered Report – stage 2](#)], [[Registered Report – stage 1](#)] [[preregistration](#)] [[materials](#)] [[data](#)] [[code](#)] [[R package](#)]

Ruiz Castro, M., van der Heijden, B. I., & **Henderson, E. L.** (2020). Catalysts in career transitions: Academic researchers transitioning into sustainable careers in data science. *Journal of Vocational Behavior*, 122, 103479. [[paper](#)]

Henderson, E. L., Vallée-Tourangeau, F., & Simons, D. J. (2019). The effect of concrete wording on truth judgements: A preregistered replication and extension of Hansen & Wänke (2010). *Collabra: Psychology*, 5, 19. [[Registered Report – stage 2](#)] [[Registered Report - stage 1](#)] [[preregistration](#)] [[materials](#)] [[data](#)] [[peer review comments](#)]

Henderson, E. L., Vallée-Tourangeau, G., & Vallée-Tourangeau, F. (2017). Planning in action: Interactivity improves planning performance. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 2181-2186). Austin, TX: Cognitive Science Society [[paper](#)] [[materials](#)] [[data](#)]

PREPRINTS

Corneille, O., Carroll, H., Havemann, J., **Henderson, E. L.**, Holmes, N. P., Lotter, L. D., Lush, P., & Outa, N. (2022). Reflecting on the use of persuasive communication devices in academic writing. Zenodo. <https://doi.org/10.5281/zenodo.6375872> [[preprint](#)]

Henderson, E. L. (2022, January 25). A guide to preregistration and Registered Reports. <https://doi.org/10.31222/osf.io/x7aqr> [[preprint](#)]

TOOLS & SOFTWARE

Topor, M., Pickering, J. S., Barbosa Mendes, A., Bishop, D. V. M., Büttner, F. C., **Henderson, E. L.**, ... Westwood, S. J. (2020). Non-Interventional, Reproducible, and Open (NIRO) Systematic Review guidelines v1. <https://doi.org/10.17605/OSF.IO/F3BRW> <https://osf.io/f3brw/>

EXTERNAL ENGAGEMENT / PUBLICATIONS

Topor, M., Westwood, S. J., **Henderson, E. L.**, Pickering, J. S., Fassi, L., (2022). ECR:s Reflections: How do we keep the open science momentum going? *British Neuroscience Association Blog* [[blog](#)]

Henderson, E. L., & Tzavella, L., (2022). Episode 1: Open science and its challenges. *Imposter Podcast* [[podcast](#)]

Plomp, E., Tsang, E., **Henderson, E. L.**, & Franzen, D., (2022). Moving open science forward at the institutional/departmental level. *Open Working* [[blog](#)]

Rhys Evans, T., Pownall, M., Collins, E., **Henderson, E. L.**, Pickering, J. S., O'Mahony, A., ...Dumbalska, T., (2021). A network of change: Three priorities requiring united action on research integrity. *Response to the UK Parliament Science and Technology Committee's inquiry on reproducibility and research integrity* [[report](#)]

Wise, E., **Henderson, E. L.**, Slade, M., Farran, E., & Daoutis, C., (2021). Building an open research community at Surrey. *PLOS Blogs* [[blog](#)]

Henderson, E. L., (2019). Why you'll love writing a Registered Report. *Prolific blog* [[blog](#)]

Henderson, E. L., (2019). Registered Reports and PhDs – What? Why? How? An Interview with Chris Chambers. *Centre for Open Science blog* [[blog](#)]

Henderson, E. L., (2019). Writing for impact: Publication, policy and media. *Behavioural Science and Public Health Network* [[report](#)]

Henderson, E. L., (2018). Registered Reports and PhDs – What? Why? How? An Interview with Chris Chambers, *PsyPAG Quarterly* [[interview](#) p.52]

COMPETITIVE FUNDING, GRANTS & AWARDS

Value Award for Innovation University of Surrey	2022
Pre-registered Grant, €1,000 <i>European Association of Social Psychology (EASP)</i>	2021
Research Grant, £2,000 <i>Kingston University</i>	2020
Training Grant, £400 <i>Kingston University</i>	2019

Travel Grant for pre-SIPS Workshop, \$400 <i>repliCATS</i>	2019
Travel Grant for PsyPAG Annual Conference, £100 <i>Psychology Postgraduate Affairs Group</i>	2019
Travel Grant for Annual Conference, £50 <i>iCog5, University of Reading, UK</i>	2019
Prolific Junior Researcher Grant, £712 <i>Prolific</i>	2018
Travel & Attendance Grant, £100 <i>Behavioural Science and Public Health Network</i>	2018
Research Grant Bursary, £300 <i>Psychology Postgraduate Affairs Group</i>	2018
Alumnae Award, £250 <i>Lady Eleanor Holles School</i>	2017
Full PhD Studentship, ~£62,224 <i>Kingston University</i>	2017
Barry Cavell Postgraduate Prize <i>Department of Psychology, Kingston University</i>	2016

INVITED TALKS, PANELS & WORKSHOPS

Henderson, E. L., (2023) A brief introduction to Open Research in tourism, hospitality, events, and transport. *Surrey 2023 Conference*, UK [[talk](#)]

Henderson, E. L., Emily K. Farran, Emma Lynden, (2023). Considerations on building a framework of Open Research indicators. *Indicators for Open Research*, UK Reproducibility Network, UK [[talk](#)]

Henderson, E. L., (2022). A full Registered Reports PhD. *Donders Open Science Day*, Donders Institute for Brain, Cognition and Behaviour, Radboud University, Netherlands [[talk](#)]

Henderson, E. L., (2022). Practical recommendations for writing a Registered Report. *Attention & Perception Group*, University of Illinois, USA [[talk](#)]

Henderson, E. L., (2022). How to make Registered Reports work for you. *ReproducibiliTea*, UCL, UK [[talk](#)]

Henderson, E. L., Westwood, S. J., & Fassi, L., (2022). ECRs and the future of Open Science. *Celebrating Dorothy: A Festschrift for Dorothy V. M. Bishop*, The Royal Society, UK [panel member]

Henderson, E. L., (2021). How to incorporate Registered Reports into your PhD thesis (and why you should). *Surrey Reproducibility Society*, University of Surrey, UK [[talk](#)]

Henderson, E. L., (2021). Reducing results and publication anxiety: Why PhD researchers should write Registered Reports. *ReproducibiliTea*, University of Birmingham, UK [[talk](#)]

Henderson, E. L., Ten reasons to write a Registered Report (now) (2020). *RIOT Science Club*, Kings University, UK [[talk](#)]

Henderson, E. L., Thompson, J. M., (2020). Introduction to the OSF, preregistration and Registered Reports. *Open science: Improving your research workflow to increase transparency and reproducibility*, Faculty of Science, University of Neuchatel, Switzerland [one-day [workshop](#)]

Henderson, E. L., (2019). Registered Reports: Results as a dead currency in quality evaluation. *Open Science Roadshow*, Kingston University, UK [[talk](#)]

Clark, O. J., **Henderson, E. L.**, (2019). Power analysis using simulation. *PsyPAG Annual Conference*, University of Sheffield, UK [[workshop](#)]

Henderson, E. L., An alternative publishing model: Registered Reports (2019). As part of “Getting your work published in academic journals”. Kingston University, UK [[talk](#)]

CONFERENCE PRESENTATIONS

* indicates presenting author

Henderson, E. L.*, (2023). Showcasing Surrey Open Research. *Open Research and Research Culture Event*, University of Surrey, UK. [[poster](#)]

Khan, H., Ghannad*, M., Almoli, E., Franco, M.C., **Henderson, E.L.**, Ardern, C., Ayala, A.P., Ng, J.Y., Cobey, K., Saba, S., & Moher D. (2022). Proportion of academic institutions with courses in open science and the characteristic of courses. *Ottawa Hospital Research Institute Research Day*, Ottawa, ON, Canada [poster]

Khan, H., Ghannad*, M., Almoli, E., Franco, M.C., **Henderson, E.L.**, Ardern, C., Ayala, A.P., Ng, J.Y., Cobey, K., Saba, S., & Moher D. (2022). Proportion of academic institutions with courses in open science and the characteristic of courses. *2022 Society for Teaching and Learning in Higher Education Annual Conference*, Ottawa, ON, Canada [poster]

Khan, H., Ghannad*, M., Almoli, E., Franco, M.C., **Henderson, E.L.**, Ardern, C., Ayala, A.P., Ng, J.Y., Cobey, K., Saba, S., & Moher D. (2022, June 27-29). What do academic institutions teach on open science?: A cross-sectional study. *Society for the Improvement of Psychological Science (SIPS)*, Victoria, BC, Canada [lightning talk].

Khan, H., Ghannad*, M., Almoli, E., Franco, M.C., **Henderson, E.L.**, Ardern, C., Ayala, A.P., Ng, J.Y., Cobey, K., Saba, S., & Moher D. (2022). Proportion of academic institutions with courses in open science and the characteristic of courses. *9th International Congress on Peer Review and Scientific Publication*, Chicago, IL, USA [poster]

Henderson, E. L.*, (2019). Reducing your results anxiety with Registered Reports. *PsyPAG Annual Conference*, University of Sheffield, UK. [[presentation](#)]

Henderson, E. L.*, Vallée-Tourangeau, F., Simons D. J., (2019). Which one study should we run? *Society for the Improvement of Psychological Science (SIPS)*, Rotterdam, Netherlands [[pre-study poster](#)]

Ruiz-Castro M.*, van der Heijden B., **Henderson, E. L.**, (2019). In search of career sustainability: Academics transitioning into data science. *EGOS Colloquium*, Edinburgh, UK. [presentation]

Henderson, E. L.*, Vallée-Tourangeau*, F., Gourdon-Kanhukamwe, A.*, (2019). Open social science 101: the case of Registered Reports. *Annual Faculty of Business Research Conference: Contemporary Issues in Business*, Kingston University, UK. [[presentation](#)]

Henderson, E. L.*, Vallée-Tourangeau, F., Simons D. J., (2019). Collaborative and open science practices in the design of an experiment on truth perception. *iCog5*, University of Reading, UK. [[poster](#)]
Riege, A.*, **Henderson, E. L.**, Gourdon-Kanhukamwe, A., Vallée-Tourangeau, G., (2018). Impossible participants or impossible instructions? An eye-tracking investigation of an ego-depletion paradigm. *European Group of Process Tracing Studies in Judgement and Decision Making*, Aarhus, Denmark [poster]

Riege, A.*, **Henderson, E. L.**, Gourdon-Kanhukamwe, A., Vallée-Tourangeau, G., (2018). Impossible participants or impossible instructions? An eye-tracking investigation of an ego-depletion paradigm. *Annual Faculty of Business Research Conference: Contemporary Issues in Business*, Kingston University, UK. [presentation]

Henderson, E. L.*, (2018). Should I join the open science revolution? *Postgraduate Conference*, Kingston University, UK. [[presentation](#)]

Henderson, E. L.*, Vallée-Tourangeau, G., Vallée-Tourangeau, F., (2017). Planning in action: Interactivity improves planning performance. *Cognitive Science Society Conference (CogSci)*, London, UK. [poster]

Henderson, E. L.*, Vallée-Tourangeau, G., Vallée-Tourangeau, F., (2016). Touchy thinking: Interactivity improves planning. *International Conference on Interactivity, Language & Cognition*, Kingston University, UK. [poster]

EDITORIAL BOARDS

Associate Editor | Journal of European Psychology Students (JEPS)

2018 – 2021

AD HOC REVIEWER

Advances in Methods and Practices in Psychological Science (AMPPS) | Collabra: Psychology | Social Psychology | PCI Registered Reports | Journal of the Economic Science Association | Quarterly Journal of Experimental Psychology | Royal Society Open Science | Nature Human Behaviour

PROFESSIONAL SERVICE

Lead ReproducibiliTea Journal Club, Kingston University

2019 – 2021

Registered Reports Steering Committee, Centre for Open Science (COS)

2019 – present

Working Group: Primers on Open Research Practices [[primers](#)]

2019 – present

UK Reproducibility Network (UKRN)

Local Lead for Kingston University, UK Reproducibility Network (UKRN)

2018 – 2021

Preregistration Community Support, Open Science Framework (OSF)

2017 – present

Ambassador, Open Science Framework (OSF)

2017 – present

PROFESSIONAL MEMBERSHIPS

Society for the Improvement of Psychological Science (SIPS) | Psychonomic Society | Society for Personality and Social Psychology (SPSP) | European Association of Social Psychology (EASP) | UK Reproducibility Network (UKRN)

STATISTICAL & TECHNICAL SKILLS

Statistical Software	RStudio RMarkdown JASP SPSS
Research Synthesis	Systematic literature reviews Systematic mapping Meta-analysis
Open Science	OSF Preregistration Registered Reports
Technical Skills	Eye-tracking software
Other	Qualtrics Survey methodology Prolific NVivo

ADDITIONAL EDUCATION & TRAINING

Intermediate Applied Principles & Practice of Behaviour Change Centre for Behaviour Change, UCL	2022
Statistics for Linguists Summer School University of Birmingham	2022
Behaviour Change Summer School Centre for Behaviour Change, UCL	2021
Introduction to statistical modelling for psychologists in R PR Statistics	2019
Meta-Analysis Course Maastricht University	2018
Writing for Impact: Publication, Policy and Media BSPHN & BPS	2018
Bayesian Statistics & JASP workshop Kingston University	2018
Advanced Methods for Reproducible Science Course BBSRC	2018
Introduction to R Royal Statistical Society	2017
Introduction to Research Data Management Digital Curation Centre	2016
Validity & Reliability UCL	2016

INDUSTRY EXPERIENCE

Head of Sales & Development, [Red Eyewear Ltd](#) 2010 - 2015

Red Eyewear is a start-up company designing and manufacturing own-label eyewear for the UK high street, including M&S, Next, Arcadia Group and luxury brands such as Oliver Sweeney

- Led the sales team from conception to over £4.5m turnover in year four
- Targeted and won business with the UK's five largest sunglasses retailers
- Responsible for recruiting, motivating and ensuring the wellbeing of the sales team, through clear communication, direction and support
- Project managed multiple projects from inception to delivery, on time and on budget
- Full budgeting responsibility, including data analysis, P&L management and future planning

- Utilised our purchasing data to help define a balanced sourcing strategy, based on building strong, long-term relationships with suppliers
- Senior member of management team

Senior Sales & Product Manager, Fabris Lane Ltd	2008 - 2010
Sales & Product Manager, Fabris Lane Ltd	2006 - 2008
Branded Product Development Manager, Fabris Lane Ltd	2002 - 2006
Marketing & Communications Executive, Cedar Group Plc	2000 - 2002
Marketing Assistant, MITIE Group	1998 - 2000