JOSHUA WHITE

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MIT Sloan School of Management
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EDUCATION

PhD	Massachusetts Institute of Technology Computational Cognitive & Social Science	Expected June 2029
Grad Dip (Adv)	University of Melbourne, Psychology GPA: 94.5/100	December 2019
Grad Dip	University of Melbourne, Psychology GPA: 92.7/100	December 2018
LLM	Washington University in Saint Louis, Law GPA: 3.69/4 Majored in Negotiation and Dispute Resolution	December 2014
BCom	University of Queensland, Commerce GPA: 6.25/7 Majored in Finance	July 2014
LLB	University of Queensland, Law GPA: 5.63/7 Honours Class IIA	July 2014

HONORS AND AWARDS

Australian Psychological Society Prize, Valedictorian of Grad Dip Psych (Adv).   2019
Dean's Honours List, Valedictorian of Grad Dip Psych.   2018
Behavioural Neuroscience Prize, Top student in Behavioural Neuroscience subjects.   2018
Dean's Honour Roll, Top 10% of graduating University of Queensland LLB/BCom students.   2014
Dean's Commendation of High Achievement, University of Queensland.   2010, 2011

RESEARCH EXPERIENCE

Data Scientist, Cogstate Ltd, Melbourne.   2020 to 2023
Supervisor: Prof. Paul Maruff

- Undertake statistical analysis and apply machine learning algorithms on data from computerized computer tests to support their development.
- Publish papers and abstracts about the validity, reliability, and utility of Cogstate tests.
- Undertake statistical analysis on clinical trial data to support internal decision-making.
- Develop and maintain internal R package, used to support analytic activities within Cogstate.

Research Assistant, Computational Cognitive Science Lab, University of Melbourne.   2019 to 2021
Supervisor: A/Prof. Andrew Perfors

- Investigated ambiguity aversion in social contexts, from a Bayesian perspective.
- Lead all aspects of the research process. Conceptualized, designed, and coded (JavaScript) experiment, completed ethics application, collected and analyzed data, wrote paper, and responded to reviewers.

Research Assistant, University of Melbourne.   2021
Supervisor: Prof. Fiona Fidler, RepliCATS project

- Read, analyzed, and discussed social science papers from business research, criminology, economics, education, political science, psychology, public administration, and sociology.

- Made judgements as to their credibility, generalizability, replicability, and plausibility, to test their ability to, in aggregate, predict social science research replicability.

Research Assistant, Complex Human Data Hub, University of Melbourne.   2020 to 2021
Supervisors: Prof. Simon Dennis & A/Prof Andrews Perfors
- Investigated the social licence for the use of location tracking technologies and vaccination passports in response to the COVID-19 pandemic, in a multi-country, longitudinal, multi-paper project.
- Involved in securing funding, completing ethics application, conceptualizing and creating surveys (Qualtrics), designing and undertaking statistical analyses, writing papers and responding to reviewers.

Research Assistant, Memory and Language Lab, University of Melbourne.   2019 to 2020
Supervisor: Prof. Simon Dennis, LUMAS project
- Investigated the social licence for the use of location tracking technologies on university campus to support university research and services.
- Designed and created experiment (Qualtrics), completed ethics application, collected data, developed and undertook statistical analyses, wrote manuscript and responded to reviewers.

Honours Dissertation, University of Melbourne, School of Psychological Sciences.   2019
Supervisor: A/Prof. Stefan Bode
- Investigated the decision process of moral judgements of fairness through a response-time paradigm based on the dictator game, utilizing computational and statistical modelling.
- Piloted experiment, collected and analyzed data, co-wrote manuscript and responded to reviewers.

Psychology Capstone Project, University of Melbourne, School of Psychological Sciences.   2018
Supervisor: A/Prof. Daniel Little
- Investigated whether people could differentiate between human responses to Raven's Progressive Matrices, and responses from a Bayesian computational model thereof (Little, Lewandowksy & Griffiths, 2012).
- Developed experimental paradigm, collected and analyzed data, wrote lab report.

TEACHING EXPERIENCE

University of Melbourne, School of Psychological Sciences, Australia.
Instructor   2019 to Present
    Advanced Design and Data Analysis (PSYC40005)
    Advanced Research Methods in Psychology (PSYC40014)
    Cognitive Psychology (PSYC20007)
    Personality and Social Psychology (PSYC20009)
    Mind, Brain & Behaviour 1 (PSYC10004)
    Mind, Brain & Behaviour 2 (PSYC10003)

English-as-a-Second-Language Teacher, Self-employed, Ecuador.   2017 to 2018
    Taught English to upper-intermediate and advanced English speakers.

OTHER PROFESSIONAL EXPERIENCE

Lawyer, Thomson Geer, Brisbane, Australia.   2015 to 2017
- Acted for liquidators, banks, finance companies etc. in matters of insolvency and bankruptcy litigation.
- Drafted court documents, and appeared in person, in relation to matters at the Magistrates, District and Supreme Courts of Queensland and the High Court of Australia.

Journal Publications

Andrejević, M., **White, J. P.**, Feuerriegel, D., Laham, S., & Bode, S. (2022). Response time modelling reveals evidence for multiple, distinct sources of moral decision caution. *Cognition*, *223*, 105026. https://doi.org/10.1016/j.cognition.2022.105026

Garrett, P. M., Wang, Y., **White, J. P.**, Hsieh, S., Strong, C., Lee, Y.-C., Lewandowsky, S., Dennis, S., & Yang, C.-T. (2021). Young adults view smartphone tracking technologies for COVID-19 as acceptable: The case of Taiwan. *International Journal of Environmental Research and Public Health*, *18*(3). https://doi.org/10.3390/ijerph18031332

Garrett, P. M., Wang, Y.-W., **White, J. P.**, Kashima, Y., Dennis, S., & Yang, C.-T. (2022). High Acceptance of COVID-19 Tracing Technologies in Taiwan: A Nationally Representative Survey Analysis. *International Journal of Environmental Research and Public Health*, *19*(6), Article 6. https://doi.org/10.3390/ijerph19063323

Garrett, P. M., **White, J. P.**, Dennis, S., Lewandowsky, S., Yang, C.-T., Okan, Y., Perfors, A., Little, D. R., Kozyreva, A., Lorenz-Spreen, P., Kusumi, T., & Kashima, Y. (2022). Papers Please— Predictive Factors of National and International Attitudes Toward Immunity and Vaccination Passports: Online Representative Surveys. *JMIR Public Health Surveillance*, *8*(7), e32969. https://doi.org/10.2196/32969

Garrett, P. M.*, **White, J. P.***, Lewandowsky, S., Kashima, Y., Perfors, A., Little, D. R., Geard, N., Mitchell, L., Tomko, M., & Dennis, S. (2021). The acceptability and uptake of smartphone tracking for COVID-19 in Australia. *PLOS ONE*, *16*(1), e0244827. https://doi.org/10.1371/journal.pone.0244827

Lewandowsky, S., Dennis, S., Perfors, A., Kashima, Y., **White, J. P.**, Garrett, P., Little, D. R., & Yesilada, M. (2021). Public acceptance of privacy-encroaching policies to address the COVID-19 pandemic in the United Kingdom. *PLOS ONE*, *16*(1), e0245740. https://doi.org/10.1371/journal.pone.0245740

White, J. P., Dennis, S., Tomko, M., Bell, J., & Winter, S. (2021). Paths to social licence for tracking-data analytics in university research and services. *PLOS ONE*, *16*(5), e0251964. https://doi.org/10.1371/journal.pone.0251964

White, J. P. & Perfors, A. (2022). Ambiguity attitudes in qualitative contexts: The role of prior beliefs. *Journal of Behavioral Decision Making*, 1– 20. https://doi.org/10.1002/bdm.2292

White, J. P., Schembri, A., Edgar, C. J., Lim, Y. Y., Masters, C. L., & Maruff, P. (2021). A Paradox in Digital Memory Assessment: Increased Sensitivity With Reduced Difficulty. *Frontiers in Digital Health*, *3*, 174. https://doi.org/10.3389/fdgth.2021.780303

Journal Papers in Review

Garrett, P., **White, J. P.**, Luo, Y., Dennis, S., Geard, N., Little, D. R., Mitchell, L., Perfors, A., Tomko, M., Andrighetto, G., Guido, A., Kusumi, T., Hertwig, R., Herzog, S., Kozyreva, A., Lorenz-Spreen, P., Pachur, T., Hsieh, S., Lee, Y.-C., … Kashima, Y. (2022). *COVID-19, national culture, and privacy calculus: Factors predicting the cross-cultural acceptance and uptake of contact-tracing technologies*. PsyArXiv. https://doi.org/10.31234/osf.io/zeqn7

Manuscripts in Preparation

White, J. P., Schembri, A. Prenn-Gologranc, C., Ondrus, M., Katina, S., Novak, P., Lim, Y. Y., Edgar, C. J., Masters, C. L., & Maruff, P. (2022). Sensitivity of individual and composite test scores from the Cogstate Brief Battery to mild cognitive impairment and dementia due to Alzheimer's disease.

Abstracts

White, J. P., Edgar, C. J., Siemers, E., & Maruff, P. Detection of Mild Cognitive Impairment Using In-clinic and Remote Unsupervised Digital Cognitive Assessments, *Alzheimer's & Dementia*

CONFERENCE PRESENTATIONS

White, J., Perfors, A. (2021). Ambiguity aversion in qualitative contexts: A vignette study. *Australasian Mathematical Psychology Conference*.

Andrejević, M., **White, J.**, Feuerriegel, D., Laham, S., & Bode, S. (2021). Response time modelling reveals evidence for multiple, distinct sources of moral decision caution, *Mathematical Psychology Conference*.

Andrejević, M., **White, J.**, Feuerriegel, D., Laham, S., & Bode, S. (2020). Negative Valence and Contextual Expectancy Slow Moral Judgements, *PSY2020 Conference*.

White, J. (2020). Japan and Italy: A tale of two countries with decentralised 'exposure notification' systems, Establishing the social licence for mobile tracking technologies for COVID-19. *59th Annual Conference of the Taiwan Psychological Association*, 2020.

Dennis, S., Garrett, P., **White, J.** (2020). Public Perceptions of COVID-19 Tracking Technologies, *Melbourne School of Psychological Sciences Colloquium Series*.

GENERAL AUDIENCE PUBLICATIONS

Garrett, P., **White, J.**, Dennis, S., Geard, N., Kashima, Y., Little, D., Perfors, A., Tomko, M., Lewandowsky, S. & Mitchell, L. (2021). Privacy and Health: The Lessons of COVID-19. *Pursuit*. URL: https://pursuit.unimelb.edu.au/articles/privacy-and-health-the-lessons-of-covid-19

Dennis, S. J., Perfors, A., Little, D. R., **White, J. P.**, Mitchell, L., Geard, N., Garrett, P.M., Lewandowsky, S. (2020). 70% of people surveyed said they'd download a coronavirus app. Only 44% did. Why the gap? *The Conversation.*
URL: https://theconversation.com/70-of-people-surveyed-said-theyd-download-a-coronavirus-app-only-44-did-why-the-gap-138427

SKILLS

Programming: R, Python, Stan, JavaScript, HTML & CSS, MATLAB, C++, SQL.
Tools: git, LaTeX, Spark, Psychtoolbox, brms, Qualtrics, MTurk, JASP, SPSS, SAS.
Modeling: Sequential sampling models, hierarchical Bayes.
Statistical: Generalized linear mixed models, dimensionality reduction, machine learning, equating, Bayesian statistics.
Languages: Spanish (Intermediate), French (Lower Intermediate).

WORKSHOPS / CERTIFICATES / ONLINE COURSES

Mathematical Biostatistics Boot Camp, Coursera.	2021
Computational Social Science, Coursera.	2020
Complex Human Data Hub Summer School, University of Melbourne.	2019
Data Scientist Career Track, Data Camp.	2018
Cambridge English Language Teaching to Adults (CELTA), Cambridge University.	2017

GRANTS

Philanthropic Support, $23,699
Establishing the Social License to Introduce Tracking Technologies to address COVID-19
*Simon Dennis, **Josh White**, Andrew Perfors, Daniel R. Little, Stephan Lewandowsky*