

JOSHUA WHITE

Data Scientist, Cognitive Scientist & PhD Applicant

I'm a Cognitive & Data Scientist who recently finished his Honours in Psychology at the University of Melbourne. I am seeking to undertake PhD studies to fulfill my long standing life ambition of joining the academy. I'm interested in using big data, computational modeling/methods, and complex data analysis to better understand the mind, particularly in relation to social, moral, legal, and political matters. I currently work as a Data/Cognitive Scientist with Cogstate as well as tutor/TA at the University of Melbourne School of Psychological Sciences. I have previously held numerous research assistant positions and, prior to my career change to cognitive science, I was previously a litigation lawyer.

EDUCATION

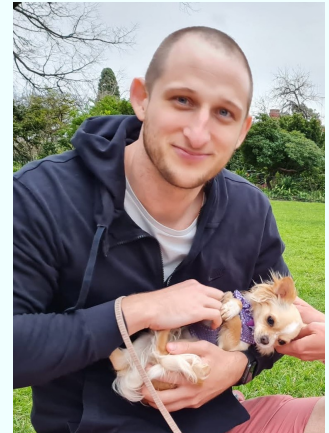
- 2019 • **University of Melbourne**
Graduate Diploma (Advanced) in Psychology • Melbourne, Australia
- 2018 • **University of Melbourne**
Graduate Diploma in Psychology • Melbourne, Australia
- 2014 • **Washington University in Saint Louis**
Master of Laws • Saint Louis, MO, USA
- 2013 • **University of Queensland**
Bachelor of Laws (Hons) & Bachelor of Commerce (Finance) • Brisbane, Australia

AWARDS

- 2019 • **Australian Psychological Society Prize for Fourth-year Psychology**
Top-ranking graduating student (GPA: 94.5/100) • University of Melbourne
- 2018 • **Dean's Honours List for the Graduate Diploma in Psychology**
Top-ranking graduating student (GPA: 92.7/100) • University of Melbourne
- 2018 • **Behavioural Neuroscience Prize**
Highest grades in Behavioural Neuroscience subjects • University of Melbourne
- 2014 • **Dean's Honour Roll**
Top 10% of graduating LLB/BCom class • University of Queensland
- 2011 | 2010 • **Dean's Commendation of High Achievement**
Exceptional grades — Semester 1, 2010 & Semester 2, 2011 • University of Queensland

RESEARCH EXPERIENCE

- Present | 2021 • **Data Scientist (Full Time)**
Cogstate Ltd • Melbourne, Australia
 - Create algorithms and workflows to allow for analysis of large computerised cognitive tests.
 - Undertake ad-hoc statistical analyses to support business development and pro
 - Develop internal R package for analysis of longitudinal clinical data
 - Publish scientific findings



CONTACT INFO

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Collingwood VIC 3066

LINKS

🌐 [WhiteJP](#)
🌐 [joshua-p-white](#)
📄 [josh-white](#)
🐦 [J_P_White](#)
🌐 [joshuapwhite.com](#)

TECH SKILLS

📊 R advanced
🐍 Python intermediate
📄 JavaScript basic
🔧 C++ basic
📦 Git intermediate
📄 SQL basic

STATISTICAL SKILLS

Bayesian modeling/statistics
Machine learning
Data visualisation

REFERENCES

References will be provided upon request.

This resume was made with the R package [pagedown](#).

Last updated on 2022-10-29.

- 2021 ● **Research Assistant – RepliCATS project**
The University of Melbourne  Melbourne, Australia
Read and analyse social science papers and make judgements as to their quality, in particular, with regard to their credibility, generalizability, replicability and plausibility.
- 2021 | 2020 ● **Scientist (Part Time)**
Cogstate Ltd  Melbourne, Australia
 - Create workflows to allow for analysis of large datasets of Computerised cognitive tests.
 - Analyse ROC characteristics of tests, and apply interpretable machine learning methods to improve them.
- 2021 | 2020 ● **Complex Human Data Hub Research Assistant**
Melbourne School of Psychological Sciences (MSPS)  University of Melbourne
 - Take a leading role in COVID-19 tracking social licence project
 - Organise and manage administrative aspects of CHDH
 - Assist with CHDH research projects
- 2020 | 2019 ● **Research Assistant to Prof. Simon Dennis**
Memory and Language Lab  University of Melbourne
Conceptualise, research, code, complete ethics application, collect and analyse data, and write paper about Social License for the use of Wi-Fi data in universities.
- 2022 | 2019 ● **Volunteer Research Assistant to A/Prof. Andrew Perfors**
Computational Cognitive Science Lab  University of Melbourne
Conceptualise, research, code, complete ethics application, collect and analyse data (MTurk), and write paper about Ambiguity Aversion in qualitative contexts.
- 2019 ● **Psychology Honours Project**
Supervisor: A/Prof. Stefan Bode  University of Melbourne
Develop and pilot experimental paradigm, collect and analyse data, and write 10,000 word empirical report.
- 2018 ● **Psychology Capstone Project**
Supervisor: A/Prof. Daniel Little  University of Melbourne
 - Develop experimental paradigm.
 - Write up results as lab report.
 - Collect and analyse experimental data.



TEACHING EXPERIENCE

- 2022 | 2019 ● **Psychology and Statistics/Data Analysis Tutor**
Melbourne School of Psychological Sciences (MSPS)  University of Melbourne
Taught the following classes at the University of Melbourne:
 - Advanced Design and Data Analysis (PSYC40005)
 - Advanced Research Methods in Psychology (PSYC40014)
 - Mind, Brain & Behaviour 1 (PSYC10003)
 - Mind, Brain & Behaviour 2 (PSYC10004)
 - Cognitive Psychology (PSYC20007)
 - Personality and Social Psychology (PSYC20009)
- 2019 | 2017 ● **English-as-a-Second-Language Teacher**
Self-employed, italki.com
Teaching English to upper-intermediate/advanced English learners.



PROFESSIONAL EXPERIENCE

2017
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2015

● **Lawyer**
Thomson Geer
Brisbane, Australia

- Insolvency litigation
- General commercial litigation
- Admitted to Queensland Supreme Court
- Admitted to High Court of Australia

2010
|
2009

● **Member Service Officer**
Heritage Bank
Toowoomba, Australia

ACADEMIC PUBLICATIONS

2022

● **Sensitivity of individual and composite test scores from the Cogstate Brief Battery to mild cognitive impairment and dementia due to Alzheimer's disease**
Manuscript in Preparation
Joshua P. White, Adrian Schembri, Carmen Prenn-Gologranc, Maetj Ondrus, Stanislav Katina, Petr Novak, Yen Ying Lim, Chris Edgar, Colin L. Masters, Paul Maruff

2022

● **COVID-19, culture, and the privacy calculus: factors predicting the cross-cultural acceptance and uptake of contact tracing technologies**
Submitted to PNAS Nexus
Paul M. Garrett, Joshua P. White, Yin Luo, Simon Dennis, Nicholas Geard, Daniel R. Little, Lewis Mitchell, Andrew Perfors, Martin Tomko, Giulia Andrighetto, Andrea Guido, Takashi Kusumi, Ralph Herwig, Stefan Herzog, Anastasia Kozyreva, Phillipp Lorenz-Spreen, Thorsten Pachur, Shulan Hsieh, Yi-Chan Lee, Cheng-Ta Yang, Yasmina Okan, Elena Maria Andrade Fernandez, Luis Miguel Velay Vivel, Klaus Oberauer, Robert Goldstone, Stephan Lewandowsky, Yoshihisa Kashima

2022

● **Detection of Mild Cognitive Impairment Using In-clinic and Remote Unsupervised Digital Cognitive Assessments (Abstract)**
Alzheimer's & Dementia: The Journal of the Alzheimer's Association
Joshua P. White, Chris Edgar, Eric Siemers, Paul Maruff

2022

● **Ambiguity attitudes in qualitative contexts: The role of prior beliefs**
Journal of Behavioral Decision Making
Joshua P. White, Andrew Perfors

2022

● **Papers please: Predictive factors for national and international COVID-19 immunity and vaccination passport uptake as determined by representative surveys**
JMIR Public Health and Surveillance
Paul M. Garrett, Joshua P. White, Simon Dennis, Stephan Lewandowsky, Cheng-Ta Yang, Yasmina Okan, Andrew Perfors, Daniel Little, Anastasia Kozyreva, Philipp Lorenz-Spreen, Takashi Kusumi, and Yoshihisa Kashima

2022

● **High acceptance for COVID-19 tracing technologies in Taiwan: A nationally representative survey analysis**
International Journal of Environmental Research and Public Health
Paul M. Garrett, Yu Wen Wang, Joshua P. White, Yoshihisa Kashima, Simon Dennis, Cheng-Ta Yang

2022

● **Response time modelling reveals evidence for multiple, distinct sources of moral decision caution**
Cognition
Milan Andrejević, Joshua P. White, Daniel Feuerriegel, Simon Laham, Stefan Bode

- 2021 ● **A Paradox in Digital Memory Assessment: Increased Sensitivity With Reduced Difficulty**
Frontiers in Digital Health
Joshua P. White, Adrian Schembri, Chris J. Edgar, Yen Ying Lim, Colin L. Masters, Paul Maruff
- 2021 ● **Young adults view smartphone tracking technologies for COVID-19 as acceptable: the case of Taiwan**
International Journal of Environmental Research and Public Health
Paul M. Garrett, Yu Wen Wang, **Joshua P. White**, Shulan Hsieh, Carol Strong, Yi-Chan Lee, Stephan Lewandowsky, Simon Dennis, Cheng-Ta Yang
- 2021 ● **Public acceptance of Privacy-Encroaching Policies to Address the COVID-19 Pandemic in the United Kingdom**
PLoS ONE
Stephan Lewandowsky, Simon Dennis, Amy Perfors, Yoshihisa Kashima, **Joshua P. White**, Paul Garrett, Daniel R. Little, Muhsin Yesilada
- 2021 ● **The acceptability and uptake of smartphone tracking for COVID-19 in Australia**
PLoS ONE
Paul M. Garrett, **Joshua P. White**, Stephan Lewandowsky, Yoshihisa Kashima, Andrew Perfors, Daniel R. Little, Nic Geard, Lewis Mitchell, Martin Tomko, Simon Dennis
- 2021 ● **Paths to social licence for tracking-data analytics in university research and services**
PLoS ONE
Joshua P. White, Simon Dennis, Jessica Bell, Martin Tomko, Stephan Winter

GENERAL AUDIENCE PUBLICATIONS

- 2021 ● **Privacy and Health: The Lessons of COVID-19**
Pursuit  University of Melbourne
Paul Garrett, **Joshua P. White**, Simon Dennis, Nic Geard, Yoshi Kashima, Daniel Little, Andy Perfors, Martin Tomko, Stephan Lewandowsky, Lewis Mitchell
- 2020 ● **70% of people surveyed said they'd download a coronavirus app. Only 44% did. Why the gap?**
The Conversation
Simon Dennis, Paul Garrett, Daniel Little, Amy Perfors, Yoshi Kashima, **Joshua P. White**, Stephan Lewandowsky, Nic Geard, Lewis Mitchell
- 2020 ● **Decreasing support for immunity passports amongst Australians, but this depends on age**
CHDH News, University of Melbourne
Josh White, Paul Garrett, Simon Dennis, Daniel Little, Amy Perfors, Yoshi Kashima, Stephan Lewandowsky
- 2020 ● **Do Australians support 'Immunity Passports' in response to the COVID-19 pandemic?**
CHDH News, University of Melbourne
Josh White, Paul Garrett, Simon Dennis, Daniel Little, Amy Perfors, Yoshi Kashima, Stephan Lewandowsky

- 2015 ● **Queensland Government consulting with industry regarding security of payment reforms**
Thomson Geer Construction Law Alerts
Kelly A, McKillop T, **White J**
- 2015 ● **Out of time, out of luck: harsh time bars defeat EOT Claim**
Thomson Geer Construction Law Alerts
Kelly A, Mackintosh A, **White J**



SELECTED PRESENTATIONS

- 2021 ● **Ambiguity Aversion in qualitative contexts: A vignette study**
Australasian Mathematical Psychology Conference
Josh White, Andrew Perfors
- 2021 ● **Response time modelling reveals evidence for multiple, distinct sources of moral decision caution**
Mathematical Psychology Conference
Milan Andrejević, **Joshua P. White**, Daniel Feuerriegel, Simon Laham, Stefan Bode
- 2020 ● **Negative Valence and Contextual Expectancy Slow Moral Judgements**
PSY2020 Conference
Josh White, Milan Andrejević, Daniel Feuerriegel, Simon Laham, Stefan Bode
- 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
Symposium, 59th Annual Conference of the Taiwan Psychological Association
Josh White
- 2020 ● **Public Perceptions of COVID-19 Tracking Technologies**
Melbourne School of Psychological Sciences Colloquium Series
Simon Dennis, Paul Garrett, **Josh White**



SELECTED GRANTS

- 2020 ● **Philanthropic support**
Establishing the Social License to Introduce Tracking Technologies to address COVID19
\$23,699

Simon Dennis, **Josh White**, Andrew Perfors, Daniel R. Little, Stephan Lewandowsky.