

Belinda Xie

SCIENTIA PHD CANDIDATE

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Education

University of New South Wales

Sydney, NSW

- PHD 2017 - Current
- **Research Question:** How does dependency within a sample of evidence influence reasoning?
 - **Supervisors:** Brett K. Hayes, Danielle J. Navarro

University of Western Australia

Crawley, WA

- BACHELOR OF SCIENCE (FIRST CLASS HONOURS), GPA: 6.7/7 2012 - 2016
- **Double majors:** Psychological Science and Psychology in Society
 - **Honours Thesis:** "Help me understand climate change: Group discussions improve success rates on the Carbon Dioxide Accumulation Task"
 - **Honours Supervisors:** Mark J. Hurlstone, Iain Walker
 - **Exchange:** University of Washington, Seattle, USA — 2013-2014, GPA: 3.9/4

Other Education

Computational Modeling

Dijon, France

- FOURTH EUROPEAN SUMMER SCHOOL ON COMPUTATIONAL AND MATHEMATICAL MODELING OF COGNITION 2018
- One of 33 participants from 100 international applicants
 - Gained skills in computational modeling, R, JAGS
 - Mentored by Simon Farrel, University of Western Australia

Bayesian Modeling

Amsterdam, the Netherlands

- EIGHTH ANNUAL JAGS AND WINBUGS WORKSHOP: BAYESIAN MODELING FOR COGNITIVE SCIENCE 2018
- Increased competency in Bayesian modeling and JAGS

Bayesian Statistics

Amsterdam, the Netherlands

- THEORY AND PRACTICE OF BAYESIAN HYPOTHESIS TESTING: A JASP WORKSHOP 2018
- Improved understanding of various Bayesian statistical tests

Awards and Memberships

Scientia PhD Scholarship

- UNSW 2018 - Present
- One of 50 recipients university-wide from 2400 invited Expressions of Interest
 - Annual stipend of \$40,000 and annual \$10,000 career development package

UNSW Women in Maths and Science Champion

- UNSW 2019 - 2020
- One of 22 women chosen to participate
 - Gained professional development and outreach skills

Best Student Presentation

- AUSTRALASIAN SOCIETY FOR EXPERIMENTAL PSYCHOLOGY 2018
- Awarded at the 45th Annual Conference of the Australasian Society for Experimental Psychology
 - \$200 cash

Publications

2019

- **Xie, B.**, Brewer, M. B., Hayes, B. K., McDonald, R. I., & Newell, B. R. (2019). Predicting climate change risk perception and willingness to act. *Journal of Environmental Psychology*, 65, 101331. doi: 10.1016/j.jenvp.2019.101331

2018

- **Xie, B.**, Hurlstone, M. J., & Walker, I. (2018). Help me understand climate change: Groups outperform individuals in the Climate Stabilization Task. *Frontiers in Psychology*, 9(2274). doi: 10.3389/fpsyg.2018.02274
- **Xie, B.**, Hayes, B. K., & Navarro, D. (2018). Adding types, but not tokens, affects the breadth of property induction. In T. T. Rogers, M. Rau, X. Zhu, & C. W. Kalish (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Conference Presentations

"BAYES FOR NEW AND OLD: MODELLING TYPE AND TOKEN EFFECTS IN INDUCTION" 2020

- **Talk**, Australian Mathematical Psychology Conference (Coogee, Australia)

"INDEPENDENT TESTIMONIES ARE NO BETTER THAN SEQUENTIAL TESTIMONIES IN JUDGMENTS UNDER UNCERTAINTY" 2019

- **Poster**, 60th Annual Meeting of the Psychonomic Society (Montreal, Canada)

"SEQUENTIAL TESTIMONY IS AS GOOD AS INDEPENDENT TESTIMONY IN JUDGMENTS UNDER UNCERTAINTY" 2019

- **Talk**, Australasian Mathematical Psychology Conference (Melbourne, Australia)

"ADDING TYPES, BUT NOT TOKENS, AFFECTS THE BREADTH OF PROPERTY INDUCTION" 2018

- **Talk**, 40th Annual Conference of the Cognitive Science Society (Madison, USA)
- **Talk**, 45th Annual Conference of the Australasian Society for Experimental Psychology (Hobart, Australia)

"HELP ME UNDERSTAND CLIMATE CHANGE" 2016

- **Talk**, University of Western Australia School of Psychology Honours Conference

"CULTURAL CLASH AT THE UNIVERSITY: WHEN FAMILY AND COLLEGE COLLIDE" 2014

- **Poster**, University of Washington Undergraduate Research Symposium

Media

2020

- Interviewed in: Tang, C. (2020, February 7) Climate change denialism is something we all suffer from. Retrieved from [UNSW Newsroom](#).
- Interviewed in: Filatoff, N. (2020, February 10). The psychology of climate-change denial – we're all on the spectrum. Retrieved from [pv magazine](#).
- Consulted for: Yun, J. (2020, January 24). This is the country that doubts climate science the most. Retrieved from [Yahoo Finance](#).
- Consulted for: Williams, L. (2020, January 17). The Impact Of Climate Denialism Can't Be Ignored. Retrieved from [Gizmodo](#).

2019

- **Xie, B.** & Newell, B. (2019, September 18). Why attending a climate strike can change minds (most importantly your own). *The Conversation*. Retrieved from [The Conversation](#).

Teaching Experience

PSYC3341 - Tutor, Senior Tutor

UNSW

DEVELOPMENTAL PSYCHOLOGY

2017 - Present

- 2019: 72 students - Senior Tutor
- 2018: 43 students
- 2017: 37 students

PSYC1001 - Tutor

UNSW

PSYCHOLOGY 1A

2019

- 2019: 55 students

PSYC1024 - Casual Marker

UNSW

CLINICAL PERSPECTIVES ON ANXIETY, MOOD AND STRESS

2018

- Assessed students' final assignments

Other Research Experience

Department of Corrective Services

Perth, WA

RESEARCH ASSISTANT

2014-16

- Helped the Rehabilitation and Reintegration team assess the efficacy of prison programs
- Compiled Psychosocial Profiles and Risk Analyses (Static-99Rs)
- Consulted databases, read court documents, and created case files

Womens Health and Family Services

Perth, WA

DATA ANALYST

2015

- Assessed the efficacy of the "Buried in Treasures" program for treating Hoarding Disorder
- Created questionnaires and coding criteria, then performed statistical analyses

Thinkfield

Leederville, WA

MARKET RESEARCH INTERVIEWER AND HOSTESS

2014 - 17

- Collected information required to understand public views, guide business strategy, and/or secure project approvals
- Surveyed customers, businesses, and stakeholders
- Organised focus groups

Department of Psychology, University of Washington, Seattle

Seattle, USA

RESEARCH ASSISTANT

2013 - 14

- Examined how students' bicultural conflict induces distress and influences decision-making
- Programmed experiments, organised timeslots, and interviewed participants

Skills

Peer-Reviewing Journal of Environmental Psychology (from 2019)

Programming R, JavaScript, jsPsych, JAGS

Other Software JASP, SPSS, Excel

Web Services Amazon Mechanical Turk, Qualtrics, CATI

Languages English, Cantonese Chinese, German

Volunteering and Outreach

North Sydney Girls' High School

Crows Nest, NSW

EXPERT VISITOR FOR AGENTS OF CHANGE PROJECTS

2019

- Year 10 students completed self-driven group projects on the topic of climate change solutions
- I spoke with students and gave feedback, particularly to groups working on solutions targeting the psychology behind behaviour change

Arludo

Sydney, NSW

GUEST SCIENTIST ON YOUTUBE LIVE SHOWS

2019

- Arludo develops engaging mobile games to teach students of all genders, ages, and socioeconomic backgrounds about science
- During a live stream to rural classrooms (e.g., youtube.com/watch?v=JGopOUZQSHU), I helped explain key psychological principles and answered student questions about myself to normalise science and scientists

Inner West Council

Annandale, NSW

PANEL MEMBER AT FOOTPRINTS EcoFESTIVAL

2019

- I was invited to this panel to discuss how to turn despair and inaction into climate change action and hope
- Panellists were Costa Georgiadis (Gardening Australia), Emma Bowen (Pocket City Farms), Tom Hume (Pingala)

UNSW Climate Change Network

UNSW

ORGANISING COMMITTEE MEMBER

2018 - Present

- The Network organises events, provides resources, and connects members of the university community who want to act urgently against climate change

UNSW School of Psychology

UNSW

HONOURS PEER MENTOR

2019 - Present

- Provide Honours students with information, advice, and a space to express concerns

Thoughtful Foods Co-Operative Ltd.

SHOP SHIFT VOLUNTEER

Kensington, NSW

2019 - Present

- Thoughtful Foods is a not-for-profit source of minimally-packaged and ethically-sourced food
- I work a weekly shift manning the till, restocking, and cleaning the store