Bonan Zhao

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EDUCATION

PhD, Psychology, *University of Edinburgh*, Edinburgh	Expected 2023
MSc, Logic (Cum Laude), *University of Amsterdam*, Amsterdam	Aug 2017
BA, Philosophy, *Tsinghua University*, Beijing	July 2015

EXPERIENCE

Open Research Facilitator, *University of Edinburgh*, Edinburgh	2021-2022
Data Scientist, *Screen 6* (Amsterdam startup), Amsterdam	2017-2019

PUBLICATIONS

Working papers

1. **B. Zhao**, N. R. Bramley, and C. G. Lucas. Powering up causal generalization: A model of human conceptual bootstrapping with adaptor grammars. *Under sumbission*, 2022
2. Z. Xia*, **B. Zhao***, T Quillien, and C. G. Lucas. Dissecting causal asymmetries in inductive generalization. *Under sumbission*, 2022
3. N. Marchant, **B. Zhao**, N. R. Bramley, D. Morales, and S. E. Chaigneau. Categorizing perceived causal events. *Under sumbission*, 2022

Peer-reviewed articles

1. **B. Zhao**, C. G. Lucas, and N. R. Bramley. How do people generalize causal relations over objects? A non-parametric Bayesian account. *Computational Brain & Behavior*, 2021
2. **B. Zhao** and N. R. Bramley. Order effects in one-shot causal generalization. In *Proceedings of the 42nd Annual Cognitive Science Society Meeting*. Cognitive Science Society, 2020
3. **B. Zhao**, I. van de Pol, M. Raijmakers, and J. Szymanik. Predicting cognitive difficulty of the deductive mastermind game with dynamic epistemic logic models. In *Proceedings of the 40th Annual Cognitive Science Society Meeting*. Cognitive Science Society, 2018
4. V. Capraro, J. Sippel, **B. Zhao**, L. Hornischer, M. Savary, Z. Terzopoulou, P. Faucher, and S. F. Griffioen. People making deontological judgments in the trapdoor dilemma are perceived to be more prosocial in economic games than they actually are. *PLOS One*, 2018
5. Z. Terzopoulou, A. Solaki, and **B. Zhao**. Logic of closeness revision: Challenging relations in social networks. In *Proceedings of the ESSLLI 2016 Student Session*. 28th European Summer School in Logic, Language & Information, Bozen-Bolzano, Italy, 2016

Posters

6. **B. Zhao**, Lucas C. G., and N. R. Bramley. Building object-based causal programs for human-like generalization. Poster presented at WHY-21 Workshop, Thirty-sixth Conference on Neural Information Processing Systems (NeurIPs), 2021
7. **B. Zhao** and N. R. Bramley. Order effects in one-shot causal generalization. Poster presented at the 42nd Annual Cognitive Science Society Meeting, 2020
8. **B. Zhao**, I. van de Pol, M. Raijmakers, and J. Szymanik. Predicting cognitive difficulty of the deductive mastermind game with dynamic epistemic logic models. Poster presented at the 40th Annual Meeting of Cognitive Science Society, Madison, WI, USA, 2018
9. Z. Terzopoulou, A. Solaki, and **B. Zhao**. Logic of closeness revision and opinion-closeness revision. Poster presented at the 12th Conference on Logic and the Foundations of Game and Decision Theory (LOFT), Maastricht, 2016

Organized workshops

10. S. Valentin, **B. Zhao**, C. Jiang, Lucas C. G., and N. R. Bramley. Symbolic and sub-symbolic systems in people and machines. Workshop at the 43rd Annual Cognitive Science Society Meeting, 2021

INVITED TALKS

Logic and Interactive Rationality, University of Amsterdam, virtual	Mar 2022
London Judgment and Decision Making Seminar, London	Mar 2022
Causality in Cognition Lab, Stanford University, virtual	Feb 2022
Computational Principles of Intelligence Lab, MPI Tübingen, virtual	July 2021
DTU Compute, Technical University of Denmark, Copenhagen	Oct 2017
Donders Institute for Brain, Cognition and Behaviour, Nijmegen	May 2017
Cool Logic, Institute for Logic, Language and Computation, Amsterdam	Apr 2016

CONFERENCE & WORKSHOP PRESENTATIONS

Symbolic and sub-symbolic systems in people and machines, workshop at CogSci, virtual   July 2021
International Conference of Thinking (ICT 2020), virtual   June 2021
LABEX CIMI Pluridisciplinary Workshop on Game Theory, Toulouse, France   Nov 2015

AWARDS & SCHOLARSHIPS

Research Support Grants, support research travel and payment of participants, *University of Edinburgh*   2021,2022
Postgraduate Research Award, international rate tuition fee and stipend, *University of Edinburgh*   2019-2022
Springer Best Paper Award, *8th European Summer School in Logic, Language and Information*   2016
Amsterdam Excellence Scholarship, *University of Amsterdam*   2015-2017
National Merit Scholarship, *Ministry of Education*, PRC   2015
Dean's Award, *Tsinghua University*   2014

TEACHING

Tutor, *University of Edinburgh*, Edinburgh   2020-2022
- Causal Cognition
- Univariate Statistics and Methodology using R
- Logic 1

Mentor, *HackYourFuture*, free refugee coding school (Amsterdam-based initiative)   2018-2019
- Git and CLI (lead lecturer)
- React.js (TA)

MENTORING

Zeyu Xia   MSc Informatics, University of Edinburgh   2021

SKILLS

Computer skills   Python, R, JavaScript/HTML/CSS, SQL, LaTeX, Git, CLI
Languages   Mandarin Chinese (native), English (fluent), Japanese, Dutch