

Isaac Davis

Yale University
Department of Psychology
100 College Street
New Haven, CT 06510

E-mail: isaac.davis@yale.edu
Cell: 908-216-5974
www.isaacmdavis.com

Employment and education

| | |
|--|---------------|
| Yale University, <i>New Haven, CT</i> Lecturer in Cognitive Science | 2022- Present |
| Yale University, <i>New Haven, CT</i> Postdoctoral associate, Department of Psychology Advisors: Yarrow Dunham & Julian Jara-Ettinger | 2020- 2022 |
| Carnegie Mellon University, <i>Pittsburgh, PA</i> Ph.D in Logic, Computation, & Methodology (2020) Advisor: David Danks M.S. in Logic, Computation, & Methodology (2017) Advisors: David Danks & Kevin Zollman | 2014- 2020 |
| Federal Reserve Bank of New York, <i>New York, NY</i> Research Associate, Money and Payment Systems research group | 2011- 2014 |
| University of Chicago, <i>Chicago, IL</i> Bachelor of Arts in Mathematics & Economics | 2007- 2011 |

Journal publications

- (Under review) **Davis, I.**, Jara-Ettinger, J., & Dunham, Y. Inferring the internal structure of social collectives.
- (Under review) Aboody, R.*, **Davis, I.***, Dunham, Y., & Jara-Ettinger, J. People can infer the magnitude of others' knowledge even when they cannot infer its contents.
- (In revision) Asaba, M.*, **Davis, I.***, Leonard, J., & Jara-Ettinger, J. Social bias detection as mental state inference. *Journal of Personality & Social Psychology (in revision)*.
- (2024) **Davis, I.** Rational representations of uncertainty: a pluralistic approach to bounded rationality. *Synthese*, 203(5), 142.
- (2024) Ongchoco, J., **Davis, I.**, Jara-Ettinger, J., & Paul, L.A. A computational framework for formalizing epistemically transformative experiences. *Open Mind (in press)*.
- (2023) **Davis, I.**, Carlson, R., Dunham, Y., & Jara-Ettinger, J. Identifying social partners through indirect prosociality: a computational account. *Cognition*, 240, 105580.
- (2023) Danks, D., & **Davis, I.** (2023). Causal inference in cognitive neuroscience. *Invited submission, Wiley Interdisciplinary Reviews: Cognitive Science*, e1650.
- (2021) **Davis, I.** How do we know what babies know? The limits of inferring cognitive representa-

*Joint first-authorship

tions from visual fixation data. *Philosophical Psychology*, 34(2), 1-28.

(2020) **Davis, I.** A Framework for Pragmatic Reliability. *Philosophy of Science*, 87(4), 704-726.

(2014) Copeland, A.M., **Davis, I.**, & Martin, A. An Empirical Analysis of the GCF Repo Service. *Economic Policy Review*, 2: 25-37.

Refereed conference publications

(2023) Asaba, M., **Davis, I.**, Leonard, J. A., & Jara-Ettinger, J. Detecting social biases via mental state inference. *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*.

(2023) Richardson, E., **Davis, I.**, & Keil, F. Agenda setting and The Emperor's New Clothes: people infer that letting powerful agents make their opinion known early can trigger information cascades and pluralistic ignorance. *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*.

(2022) **Davis, I.**, Dunham, Y., & Jara-Ettinger, J. Inferring the internal structure of social collectives. *Proceedings of the 44th annual conference of the Cognitive Science Society*

(2022) **Davis, I.**, & Jara-Ettinger, J. Hierarchical task knowledge constrains and simplifies action understanding. *Proceedings of the 44th annual conference of the Cognitive Science Society*

(2021) **Davis, I.**, Carlson, R., Dunham, Y., & Jara-Ettinger, J. Reasoning about social attitudes with uncertain beliefs. *Proceedings of the 43rd annual conference of the Cognitive Science Society*

(2021) Aboody, R., **Davis, I.**, Dunham, Y., & Jara-Ettinger, J. I can tell you know a lot, although I'm not sure what: Modeling broad epistemic inference from minimal action. *Proceedings of the 43rd annual conference of the Cognitive Science Society*

(2017) **Davis, I.** Understanding the Role of Perception in the Evolution of Human Language. *Proceedings of the 39th annual meeting of the Cognitive Science Society*.

(2016) McCool, J., & **Davis, I.** Almost Fair: Conjoint Measurement Theory and Bargaining Solutions. *Proceedings of the 14th annual conference on Practical Applications of Agents and Multi-Agent Systems*

Manuscripts in preparation

(In prep) Jara-Ettinger, J., & **Davis, I.** Computational models of early social cognition. *Invited submission, Annual Review of Developmental Psychology*.

(In prep) Richardson, E., **Davis, I.**, Keil, & F. Reasoning about social status and information cascades in a sequential voting environment.

Conference presentations

(2024) Cheung, J. (presenter), Asaba, M., Jara-Ettinger., J, & **Davis, I.** Poster presented at the 50th annual meeting of the Society for Philosophy and Psychology.

(2023) **Davis, I.** (presenter), Jara-Ettinger, J., & Dunham, Y. Talk presented at the 49th annual meeting of the Society for Philosophy and Psychology.

(2023) Richardson, E. (presenter), **Davis, I.**, & Keil, F. Talk presented at the 49th annual meeting of the Society for Philosophy and Psychology.

(2023) Richardson, E. (presenter), **Davis, I.**, & Keil, F. Talk presented at the 45th annual conference of the Cognitive Science Society.

- (2023) Asaba, M. (presenter), **Davis, I.**, Leonard, J., & Jara-Ettinger, J. Poster presented at the 45th annual conference of the Cognitive Science Society.
- (2022) **Davis, I.** Poster presented at the 28th biennial meeting of the Philosophy of Science Association.
- (2022) **Davis, I.** (presenter), Jara-Ettinger, J., & Dunham, Y. Talk presented at the 44th annual conference of the Cognitive Science Society.
- (2022) **Davis, I.** (presenter) & Jara-Ettinger., J. Flash talk presented at the 44th annual conference of the Cognitive Science Society.
- (2021) **Davis, I.** (presenter), Carlson, R., Dunham, Y., & Jara-Ettinger., J. Talk presented at the 43rd annual conference of the Cognitive Science Society.
- (2020) **Davis, I.** Poster presentation at the 27th biennial meeting of the Philosophy of Science Association.
- (2020) **Davis, I.** Poster presented at the 20th annual convention of the Society for Personality and Social Psychology (*Origins of the social mind* pre-conference).
- (2018) **Davis, I.** Poster presented at the 26th biennial meeting of the Philosophy of Science Association.
- (2017) **Davis, I.** Poster presented at the 39th annual conference of the Cognitive Science Society.

Teaching experience

Instructor of Record: Yale University

- CGSC 395: CogSci Junior Colloquium. Fall 2024
- CGSC 491: CogSci Senior Seminar. Spring 2024
- CGSC 395: CogSci Junior Colloquium. Fall 2023
- CGSC 491: CogSci Senior Seminar. Spring 2023
- CGSC 395: CogSci Junior Colloquium. Fall 2022

Instructor of Record: Carnegie Mellon University

- Phil 80-100: Introduction to Philosophy. Fall 2019
- Phil 80-100: Introduction to Philosophy. Spring 2019

TA/Grader: Carnegie Mellon University

- Phil 80-100: Introduction to Philosophy, Spring 2020 (Smith)
- Phil 80-100: Introduction to Philosophy, Fall 2018 (Cullen)
- Phil 80-150: Nature of Reason, Spring 2018 (Zhang)
- Phil 80-100: Introduction to Philosophy, Fall 2017 (Kayani)
- Phil 80-270: Philosophy of Mind, Fall 2016 (Wu)
- Phil 80-381: Meaning in Language, Fall 2015 (Werner)
- Phil 80-210: Logic & Proofs, Spring 2015 (Morris)

Undergraduate thesis advising

(2024)

- Steve Blanco. *The social Bouba-Kiki effect: the liking bias induced by face-name congruence in moral character assessments*
- Jessie Cheung. *Societal Evaluations of ChatGPT-generated Cultural Narratives*
- Ihtesham Khan. *Susceptibility To Sunk Cost Fallacy: Individualistic vs. Collectivist Cultures*

- Connor Lee. *Unveiling Moral Dimensions in Artificial Intelligence: A Comparative Analysis of Large Language Models and Human Perspectives*
- Felix Mebius. *Absentminded Selfishness? How Observed Time Pressure Influences Inference of Social Value Orientation*
- Danny Rodriguez. *A Neuroeconomic Analysis of Risk Aversion, Gambling Prevalence, and Delayed Gratification across Socioeconomic and Political Spectra*
- Elana Rothburg. *Why Buy a Birkin? How Quality, Status, and Heritage Affect Consumer Economic Valuation of Luxury Bags*
- Chris Song. *Analyzing the effects of ingroup/outgroup cognition in a church environment*
- Naheem Watson. *Technology and Trust: Using and Analyzing Digital Tools to Address ADHD Disparities in Black Communities.*
- Annie Yan. *Addressing disagreement on acquisition of disjunctive syllogism through an analysis of study design*

(2023)

- Dani Inojosa. *Toward a Cognitive Critique of Culture: Historicizing and Temporalizing Psychology Through Living Indigenous Relationalities*
- Kincaid MacDonald. *Metaphors as Conceptual Compressions*
- Nichales Marinaj. *The Relationship between Need for Cognition and Framing Effects in Financial Decision-Making*

SERVICE

Reviewing

Ad Hoc reviewer for: (41st-45th) Annual meetings of the Cognitive Science Society, British Journal for Philosophy of Science, Journal of Teaching Philosophy, Journal of Experimental Child Psychology, Journal of Experimental Psychology: General, Open Mind, Cognition, Cognitive Science, TiCS, Pattern Analysis and Applications

University service

2024 Yale CogSci Glushko thesis prize committee
 2023 Yale CogSci Glushko thesis prize committee
 2018 CMU Philosophy PhD Candidate Search
 2018 CMU Philosophy 2018 Job Search (assistant professor in philosophy)