

Robert D. Hawkins

CONTACT INFORMATION	Margaret Jacks Hall Stanford, CA 94305	<i>Phone:</i> (217)-549-6923 <i>Email:</i> rdhawkins@stanford.edu <i>Website:</i> http://rdhawkins.com
APPOINTMENTS	Assistant Professor of Linguistics and (by courtesy) Psychology <i>Stanford University, 2024 – Present</i> Assistant Professor of Psychology and Language Sciences <i>University of Wisconsin–Madison, 2023 – 2024</i> Postdoctoral Research Fellow <i>Princeton University, 2019 – 2023</i>	
EDUCATION	PhD, Psychology, Stanford University, 2019 BS, Cognitive Science and Mathematics, Indiana University, 2014	
AWARDS	Best Paper Award, EMNLP, 2022 Outstanding Paper Award, NeurIPS, 2022 Best Paper Award, NeurIPS Workshop on Language and Reinforcement Learning, 2022 Cognitive Science Society Prize for Computational Modeling in Language, 2020 Cognitive Science Society Glushko Student Travel Award, 2019 Best Paper Award, ICML Workshop on Adaptive and Multi-Task Learning, 2019 Cognitive Science Society Glushko Student Travel Award, 2016 Cognitive Science Society Prize for Computational Modeling in Applied Cognition, 2015 Phi Beta Kappa, 2013 Sigma Xi Outstanding Undergraduate Research Award, 2013 IU Mathematics Cora B. Hennel Memorial Award, 2013 IU Cognitive Science Program Award for Outstanding Achievement, 2013 IU Cognitive Science Program Award for Outstanding Contribution, 2012 Best Paper Award, Midwest Undergraduate Cognitive Science Conference, 2012	
FELLOWSHIPS	C. V. Starr Postdoctoral Research Fellowship, 2021-2023 NSF SBE Postdoctoral Research Fellowship, 2019-2021 E. K. Potter Stanford Graduate Fellowship, 2017-2019 NSF Graduate Research Fellowship, 2014-2017 Arthur R. Metz Scholarship, 2010-2014 Science, Technology, and Research (STARS) Scholarship, 2010-2014 Edward A. Knapp Undergraduate Fellowship, Santa Fe Institute, 2012	
JOURNAL PAPERS * : EQUAL CONTRIBUTION	Tsvilodub, P., Bergey, C., Goodman, N.D., Hawkins, R.D. , Franke, M. (<i>under review</i>). Relevant answers to polar questions. Kumar, A., Hawkins, R.D. (<i>under review</i>). Lexical search and social reasoning jointly explain communication in associative reference games. Hawkins, R.D.* , McCarthy*, W.P., Wang, H., Fan, J.E. (<i>under review</i>). Learning to communicate about shared procedural abstractions. Leung, A., Yurovsky, D., Hawkins, R.D. (<i>under review</i>). Parents scaffold the forma- tion of conversational pacts with their children.	

- Boyce, V., **Hawkins, R.D.**, Goodman, N.D., Frank, M.C. (2024). Interaction structure constrains the emergence of conventions in group communication. *Proceedings of the National Academy of Sciences*, 121(28), e2403888121.
- Chen, A.M., Palacci, A., Vélez, N., Gershman, S.J.*, **Hawkins, R.D.*** (2024). A hierarchical Bayesian account of adaptive pedagogy. *Cognitive Science*, 48(7), e13477.
- Wu, C.M., Dale, R., **Hawkins, R.D.** (2024) Group coordination catalyzes individual and cultural intelligence. *Open Mind*.
- Kumar, S.*, Sumers, T.R.*, Yamakoshi, T. Norman, K.A., Hasson, U., Griffiths, T.L., **Hawkins, R.D.**, Nastase, S.A. (2024). Shared functional specialization in transformer-based language models and the human brain. *Nature Communications*, 15, 5523.
- Sumers, T., Ho, M., Griffiths, T.L., **Hawkins, R.D.** (2024). Reconciling truthfulness and relevance as epistemic and decision-theoretic utility. *Psychological Review* 131(1), 194-230
- Hawkins, R.D.**, Berdahl, A., Pentland, A.S., Goodman, N.D., Tenenbaum, J.B., Krafft, P.M. (2023). Flexible social inference facilitates targeted social learning when rewards are not observable. *Nature Human Behavior*, 7, 1767–1776.
- Hawkins, R.D.**, Sano, M., Goodman, N.D., Fan, J.E. (2023). Visual resemblance and interaction history jointly constrain pictorial meaning. *Nature Communications*, 14, 2199.
- Goldstone, R.L., Andrade-Lotero, E., **Hawkins, R.D.**, Roberts, M.E. (2023). The emergence of specialized roles within groups. *Topics in Cognitive Science*, 16, 257–281.
- Hawkins, R.D.**, Franke, M., Frank, M.C., Goldberg, A.E., Smith, K., Griffiths, T.L., Goodman, N.D. (2023). From partners to populations: A hierarchical Bayesian account of coordination and convention. *Psychological Review*, 130(4), 977–1016
- Sumers, T., Ho, M., **Hawkins, R.D.**, Griffiths, T.L. (2023) Show or tell? Exploring when (and why) teaching with language outperforms demonstration. *Cognition*, 232, 105326.
- Barnett, S., Griffiths, T.L., **Hawkins, R.D.** (2022). A pragmatic account of the weak evidence effect. *Open Mind*, 6, 169–182.
- Murthy, S., Griffiths, T.L., **Hawkins, R.D.** (2022). Shades of confusion: Lexical uncertainty modulates ad hoc coordination in an interactive communication task based on variable word-color associations. *Cognition*, 225, 105152.
- Antony, J. Romero, A. Vierra, A. Luenser, R. **Hawkins, R.D.**, Bennion, K. (2022). Semantic relatedness retroactively boosts memory and promotes memory interdependence across episodes. *eLife*, 11, e72519.
- Hawkins, R.D.**, Gweon, H. Goodman, N.D. (2021). The division of labor in communication: Speakers help listeners account for asymmetries in visual perspective. *Cognitive Science*, 45(3), e12926.
- Degen, J., **Hawkins, R.D.**, Kreiss, E., Graf, C., Goodman, N.D. (2020). When redundancy is useful: A Bayesian approach to ‘overinformative’ referring expressions. *Psychological Review*, 127(4), 591–621.
- Fan, J.E., **Hawkins, R.D.**, Wu, M., Goodman, N.D. (2020). Pragmatic inference and visual abstraction enable contextual flexibility during visual communication. *Computational Brain and Behavior*, 3(1), 86–101.

- Hawkins, R.D.**, Frank, M.C., Goodman, N.D. (2020). Characterizing the dynamics of learning in repeated reference games. *Cognitive Science*, 44(6), e12845.
- Hawkins, R.D.**, Goodman, N.D., Goldstone, R. (2019). The emergence of social norms and conventions. *Trends in Cognitive Sciences*, 23(2), 158–169.
- Hawkins, R.D.***, Smith, E.*, Au, C., Arias, J., Catapano, R., Hermann, E., Keil, M., Lampinen, A., Raposo, S., Reynolds, J., Salehi, S., Salloum, J., Tan, J., Frank, M.C. (2018). Improving the replicability of psychological science through pedagogy. *Advances in Methods and Practices in Psychological Science*, 1(1), 7–18.
- Monroe, W., **Hawkins, R.D.**, Goodman, N.D., Potts, C. (2017). Colors in context: A pragmatic neural model for grounded language understanding. *Transactions of the Association for Computational Linguistics*, 5, 325–338.
- Avena-Koenigsberger, A., Misic, B., **Hawkins, R.D.**, Griffa, A., Hagmann, P., Goñi, J., and Sporns, O. (2017). Path ensembles and a tradeoff between communication efficiency and resilience in the human connectome. *Brain Structure and Function*, 222(1), 603–618.
- Hawkins, R.D.**, Goldstone, R.L. (2016). The formation of social conventions in real-time environments. *PLOS ONE*, 11(3), e0151670.
- Hawkins, R.D.**, Houpt, J., Eidels, A., Townsend, J. (2016). Can two dots form a Gestalt? Measuring emergent features with the capacity coefficient. *Vision Research*, 126, 19–33.
- Silbert, N., **Hawkins, R.D.** (2016). A tutorial on general recognition theory. *Journal of Mathematical Psychology*, 73, 94–109.
- Hawkins, R.D.** (2015). Conducting real-time multiplayer experiments on the web. *Behavior Research Methods*, 47(4), 966–976
- DeDeo, S., **Hawkins, R.D.**, Klingenstein, S., Hitchcock, T. (2013). Bootstrap methods for the empirical study of decision-making and information flows in social systems. *Entropy*, 15(6), 2246–2276.
- PROCEEDINGS PAPERS
- Mahaphanit, W., Welker, C., Schmidt, H., Chang, L. **Hawkins, R.D.** (2024). When and why does shared reality generalize? *Proceedings of the 46th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Bergey, C., O’Keefe, M., **Hawkins, R.D.** (2024). A longitudinal analysis of individual differences in the development of communicative acts. *Proceedings of the 46th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Zubak, Y., Dronavalli, P., Chuang, Y., **Hawkins, R.D.** (2024). Distributed statistical inference in social interaction networks. *Proceedings of the 46th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Mankewitz, J., **Hawkins, R. D.**, Saffran, J. (2024). Toddlers actively sample reliable speakers. *Proceedings of the 46th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Chuang, Y., Harlalka, N., Suresh, S., Goyal, A., **Hawkins, R.D.**, Yang, S., Shah, D., Hu, J., Rogers, T.T. (2024). The wisdom of partisan crowds: Comparing collective intelligence in humans and LLM-based agents. *Proceedings of the 46th Annual Conference of the Cognitive Science Society (CogSci)*. [poster]

- Chuang, Y., Goyal, A., Harlalka, N., Suresh, S., **Hawkins, R.D.**, Yang, S., Shah, D., Hu, J., Rogers, T.T. (2024). Simulating opinion dynamics with networks of LLM-based agents. *Findings of the North American Association for Computational Linguistics (NAACL)*. [poster].
- Yamakoshi, T., McClelland, J.L., Goldberg, A.E., **Hawkins, R.D.** (2023). Causal interventions expose implicit situation models for commonsense language understanding. *Findings of the Association for Computational Linguistics (ACL)*. [poster].
- Eliav, R., Ji, A., Artzi, Y., **Hawkins, R.D.** (2023). Semantic uncertainty guides the extension of conventions to new referents. *Proceedings of the 45th Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Tsvilodub, P., **Hawkins, R.D.**, Goodman, N.D., Franke, M. (2023). Overinformative question answering by humans and machines. *Proceedings of the 45th Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Ji, A., Kojima, N., Rush, N., Suhr, A., Vong, W.K., **Hawkins, R.D.**, Artzi, Y. (2022). Abstract visual reasoning with tangram shapes. *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*. [oral]
- White, J., Goodman, N.D., **Hawkins, R.D.** (2022). Mixed-effects transformers for hierarchical adaptation. *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*. [poster]
- Sumers, T., **Hawkins, R.D.**, Ho, M., Griffiths, T.L., Hadfield-Menell, D. (2022). How to talk so your robot will learn: Instructions, descriptions, and pragmatics. *Proceedings of the 36th Annual Conference on Neural Information Processing Systems (NeurIPS)*. [poster]
- Kumar, S., Correa, C.G., Dasgupta, I., Marjeh, R., Hu, M., **Hawkins, R.D.**, Cohen, J., Daw, N., Narasimhan, K.R., Griffiths, T.L. (2022). Using natural language and program abstractions to instill human inductive biases in machines. *Proceedings of the 36th Annual Conference on Neural Information Processing Systems (NeurIPS)* [oral]
- Boyce, V., **Hawkins, R.D.**, Goodman, N.D., Frank, M.C. (2022). Two’s company but six is a crowd: Emergence of conventions in multiparty communication games. *Proceedings of the 44th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Wong, C., McCarthy, W., Grand, G., Friedman, Y., Tenenbaum, J., Andreas, J., **Hawkins, R.D.**, Fan, J.E. (2022). Identifying concept libraries from language about object structure. *Proceedings of the 44th Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Yamakoshi, T., Griffiths, T.L., **Hawkins, R.D.** (2022). Probing BERT’s priors with serial reproduction chains. *Findings of the Association for Computational Linguistics (ACL)*.
- White, J., Poesia, G., **Hawkins, R.D.**, Sadigh, D., Goodman, N.D. (2021). Open-domain clarification question generation without question examples. *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*.
- Sumers, T., **Hawkins, R.D.**, Ho, M., Griffiths, T. (2021). Extending rational models of communication from beliefs to actions. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci)*. [oral]

- McCarthy, W.*, **Hawkins, R.D.***, Holdaway, C., Wang, H., Fan, J.E. (2021). Learning to communicate about shared procedural abstractions. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Kumar, A, Garg, K., **Hawkins, R.D.** (2021). Contextual flexibility guides communication in a cooperative language game. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Hawkins, R.D.**, Liu, I., Goldberg, A.E., Griffiths, T. (2021). Respect the code: Speakers expect conventions to generalize within but not across social group boundaries. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Sumers, T., Ho, M., **Hawkins, R.D.**, Narasimhan, K., Griffiths, T. (2021). Learning rewards from linguistic feedback. *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*. [oral]
- Hawkins, R.D.**, Kwon, M., Sadigh, D., Goodman, N.D. (2020). Continual adaptation for efficient machine communication. *Proceedings of the Twenty-Fourth Conference on Computational Natural Language Learning (CoNLL)*. [oral]
- Hawkins, R.D.***, Yamakoshi, T.*, Griffiths, T., Goldberg, A. (2020). Investigating representations of verb bias in neural language models. *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*. [oral]
- Hawkins, R.D.**, Goodman, N.D., Goldberg, A.E., Griffiths, T.L. (2020). Generalizing meanings from partners to populations: Hierarchical inference supports convention formation on networks. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Leung, A., **Hawkins, R.D.**, Yurovsky, D. (2020). Parents scaffold the formation of conversational pacts with their children. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Achlioptas, P., Fan, J.E., **Hawkins, R.D.**, Goodman, N.D., Guibas, L. (2019). Shape-Glot: Learning language for shape differentiation. *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*. [poster]
- Hawkins, R.D.***, Sano, M.*, Goodman, N.D., Fan, J.E. (2019). Graphical convention formation during visual communication. *Proceedings of the 41st Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Mukherjee, K., **Hawkins, R.D.**, Fan, J.E. (2019). Communicating semantic part information in drawings. *Proceedings of the 41st Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Hawkins, R.D.**, Franke, M., Smith, K., Goodman, N.D. (2018). Emerging abstractions: Lexical conventions are shaped by communicative context. *Proceedings of the 40th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Hawkins, R.D.**, Frank, M., Goodman, N.D. (2017). Convention-formation in iterated reference games. *Proceedings of the 39th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Graf, C., Degen, J., **Hawkins, R.D.**, Goodman, N.D. (2016). Animal, dog, or dalmatian? Level of abstraction in nominal referring expressions. *Proceedings of the 38th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]

- Hawkins, R.D.**, Goodman, N.D. (2016). Conversational expectations account for apparent limits on theory of mind use. *Proceedings of the 38th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- Hawkins, R.D.**, Stuhlmüller, A., Degen, J., Goodman, N.D. (2015). Why do you ask? Good questions provoke informative answers. *Proceedings of the 37th Annual Conference of the Cognitive Science Society (CogSci)*. [poster]
- Krafft, P. **Hawkins, R.D.**, Pentland, A., Goodman, N.D., Tenenbaum, J. (2015). Emergent collective sensing in human groups. *Proceedings of the 37th Annual Conference of the Cognitive Science Society (CogSci)*. [oral]
- BOOKS & BOOK CHAPTERS Frank, M.C., Braginsky, M., Cachia, J., Coles, N., Hardwicke, T., **Hawkins, R.D.**, Mathur, M., Williams, R. (2023). *Experimentology: An open science approach to experimental psychology methods*. Cambridge, MA: MIT Press.
- Algom, D., Eidels, A., **Hawkins, R.D.**, Jefferson, B., Townsend, J. (2015). Features of response times: Identification of cognitive mechanisms through mathematical modeling. In *The Oxford Handbook of Computational and Mathematical Psychology* (pp. 63–98). New York, NY: Oxford University Press.
- INVITED TALKS 2025. Minds, Technology, and Society Seminar, UC Merced — Experimental Pragmatics (*XPRAG*), Cambridge, UK — Workshop on Self-Assembling Games, UC-Irvine — SPSP Preconference on Computational Psychology — Conference on Shared Reality
2024. Linguistics Colloquium, Princeton University — Linguistics Colloquium, Stanford University — Psychology Colloquium, Stanford University — Cognitive Science Colloquium, University at Buffalo — Cognitive Science Colloquium, Indiana University — [Workshop in Graduate Linguistics \(WiGL\)](#), UW-Madison — [Studies in Language, Information, Meaning and Expression \(SLIME\) Workshop](#), UCLA — [Analyzing High-dimensional Traces of Intelligent Behavior Workshop](#), UCLA — Theoretical Behavioral Sciences Seminar, UC-Irvine — Methods Workshop, Society for Affective Science Annual Conference — Loopholes Workshop, Radcliffe Institute for Advanced Studies
2023. Workshop on Longevity in Complex Systems, Santa Fe Institute — [CogSci Workshop on Abstractions](#) — [SPSP Pre-Conference on Shared Reality](#) — [SPSP Pre-Conference on Psychology of Collectives](#)
2022. Psychology Colloquium, UCLA — Psychology Colloquium, UW-Madison — Psychology Colloquium, Bowdoin College — Computational Psycholinguistics Seminar, University of Tokyo — Consortium for Interacting Minds Seminar, Dartmouth — [New Directions Seminar](#), [Cooperative AI Foundation \(Invited Discussant\)](#) — [Machine Learning Day Keynote](#), ASU
2021. Psychology Colloquium, UCSD — Social Brain Brownbag, Dartmouth — [Computational Linguistics Seminar](#), University of Amsterdam — [Concepts and Categories \(ConCats\) Seminar](#), NYU — [Philosophy of Language Workshop](#), NYU — [NeurIPS Workshop: Meaning in Context](#) — AI Group Seminar, Autodesk — [Abralin ao Vivo](#), Brazilian Linguistic Association
2020. [Robotics Science and Systems \(RSS\) Workshop: Emergent Behaviors in Human-Robot Systems](#) — Computational Psycholinguistics Meeting, MIT — Language Seminar, DeepMind — Computation and Language Meeting, UC Berkeley
2019. Neuroscience and Social Decision Making (NSDM) Seminar, Princeton University — Center for Research in Language (CRL) Seminar, UC San Diego — TensorFlow

- and PyTorch User Group, Princeton University — Teaching Methods via Replication Studies Workshop, CogSci
2018. PDP Seminar, Princeton University — Concepts and Categories (ConCats) Seminar, NYU — Symbolic Systems Society Winter Symposium, Stanford University
2017. Linguistics Colloquium, University of Tübingen — Interacting Minds Center (IMC) Seminar, Aarhus University — Language Evolution Seminar, University of Edinburgh
2014. STARS Research Symposium, Indiana University
2025. Society for Research in Child Development (SRCD)
2024. SPSP Pre-Conference on Computational Psychology — Shared Reality Mini-Conference — Annual Conference of the Child Development Society (CDS) — ICLR Workshop: LLM Agents — Architectures and Mechanisms for Language Processing (AMLaP) — Conference on Cognitive Computational Neuroscience (CCN) — Social & Affective Neuroscience Society (SANS)
2023. Human Sentence Processing (HSP) — Society for Research in Child Development (SRCD) Biennial Meeting — ICML Workshop: Interactive Learning with Implicit Human Feedback (*ILHF*)
2022. Conference on Cognitive Computational Neuroscience (*CCN*) — California Meeting on Psycholinguistics (*CAMP*) — ACL Workshop: Learning with Natural Language Supervision (*LNLS*) — ICML Workshop: Human-Machine Collaboration and Teaming (*HMCaT*) — ICML Workshop: Beyond Bayes — NeurIPS Workshop: Language and Reinforcement Learning (*LaReL*)
2021. Society for Personality and Social Psychology (*SPSP*) — 47th Annual Meeting of the Society for Philosophy and Psychology (*SPP*) — ACL Workshop: Natural Language Processing for Programming (*NLP4Prog*) — NAACL Workshop: Visually Grounded Interaction and Language (*ViGIL*)
2020. NeurIPS Workshop: Object Representations for Learning & Reasoning (*ORLR*) — RSS Workshop: Emergent Behaviors in Human-Robot Systems.
2019. ICML Workshop: Adaptive and Multi-Task Learning (*AMTL*) — 45th Annual Meeting of the Society for Philosophy and Psychology (*SPP*).
2018. Vision Sciences Society Annual Meeting (*VSS*) — 12th International Conference on the Evolution of Language (*Evolang XII*)
2017. 7th Biannual Experimental Pragmatics Conference (*XPRAG*) — 30th Annual CUNY Conference on Human Sentence Processing — CSLI Workshop: “Computational and Psycholinguistic Approaches to the Study of Meaning” — 91st Annual Meeting of the Linguistic Society of America (*LSA*)
2016. 22nd Architectures & Mechanisms for Language Processing Conference (*AMLaP*).
2015. 56th Annual Meeting of the Psychonomic Society — 14th Annual Summer Interdisciplinary Conference (*ASIC*) — 10th Annual Network Science Society Conference (*NetSci*)
2014. 4th Annual Midwest Cognitive Science Conference (*MCSC*).
2013. Vision Sciences Society Annual Meeting (*VSS*) — 54th Annual Meeting of the Psychonomic Society.

	<p>2012. Vision Sciences Society Annual Meeting (<i>VSS</i>) — Midwest Undergraduate Cognitive Science Conference (<i>MUCSC</i>).</p> <p>2011. Configural Processing Consortium (<i>CPC</i>) — Object Perception, Attention, and Memory (<i>OPAM</i>) — Midwest Undergraduate Cognitive Science Conference (<i>MUCSC</i>).</p>
ADVISING & MENTORSHIP	<p><i>Postdocs.</i> Claire Bergey (UW-Madison, 2022-present)</p> <p><i>PhD students.</i> Jess Mankewitz (UW-Madison, 2022-present), Ke Fang (Stanford, 2024-present),</p> <p><i>RAs.</i> Misha O’Keefe (UW-Madison, 2023-present), Anya Ji (Cornell, 2021-present) Takateru Yamakoshi (University of Tokyo, 2019–present), Srija Makkapati (Princeton, 2021-2023), Alicia Chen (Harvard, 2021-2023), Di Liu (Beijing Normal University, 2022-2023), Nastasia Klevak (Princeton, 2021-2022), Irina Liu, (Princeton, 2020-21), Sonia Murthy (Princeton 2020-2021), Kushin Mukherjee (Vassar, 2018-19), Megumi Sano (Stanford, 2018-19), Karl Mulligan (Rutgers, 2017), Nicole Maslan (Claremont McKenna, 2016)</p> <p><i>Committees.</i> Lillian Xu (UW-Madison, Dissertation, 2023-2024), Kushin Mukherjee (UW-Madison, Dissertation, 2023-2024), Yun-Shiuan (Sean) Chuang (UW-Madison, Dissertation, 2023-2024), Yuguang (Aria) Duan (UW-Madison, Dissertation, 2023-2024), Yuhan Wang (UW-Madison, First-Year Project, 2023-2024), Laura Jett (UW-Madison, First-Year Project, 2024), Jiachen (Coco) Yu (UW-Madison, First-Year Project, 2023-2024).</p>
TEACHING	<p><i>Primary instructor</i></p> <ul style="list-style-type: none"> • LINGUIST 245B: Methods in Psycholinguistics, Stanford, Spring 2025 • PSYCH 710: Statistical Methods II, UW-Madison, Spring 2024 <p><i>Graduate Teaching Assistant</i>, Stanford University</p> <ul style="list-style-type: none"> • Computation and Cognition: A Probabilistic Approach, Falls 2016, 2017, 2018 • Bayesian Statistics for Psychologists, Summer 2016 • Lab in Experimental Methods, Winter 2016 • Statistical Methods for Behavioral and Social Sciences, Fall 2015 <p><i>Tutorials & Guest Lectures</i></p> <ul style="list-style-type: none"> • COSMOS Computational Summer School, Konstanz, 2023 • MIND Computational Summer School, Dartmouth, 2023 • Bayesian Models of Social Cognition (PSYC 272), Prof. Adena Schachner, UCSD • Safety for Autonomous Systems (MAE 207), Prof. Sylvia Herbert, UCSD • Topics in NLP and ML (CS 6741), Prof. Yoav Artzi, Cornell
PROFESSIONAL SERVICE	<p><i>Associate Editor</i>, Open Mind, 2022 – present</p> <p><i>Ad Hoc Reviewer</i></p> <ul style="list-style-type: none"> • <i>Journals:</i> American Psychologist — Behavior Research Methods — Child Development — Cognition — Cognitive Psychology — Cognitive Research: Principles and Implications — Cognitive Science — Computational Brain & Behavior — Frontiers in Psychology — iScience — Journal of Experimental Child Psychology — Journal of Experimental Psychology: General — Journal of Experimental Psychology: Human Perception & Performance — Journal of Pragmatics — Mind & Language — Nature

Communications — Neuropsychologia — Open Mind — PLOS ONE — Proceedings of the National Academy of Science — Psychological Review — Royal Society Open Science — Sage OPEN — Semantics & Pragmatics — Socius — Trends in Cognitive Sciences — Vision Research

- *Conference Paper Proceedings*: Proceedings of the Annual Conference of the Cognitive Science Society (*CogSci*) — Proceedings of the International Conference on the Evolution of Language (*EVOLANG*) — Proceedings of the Conference on Cognitive Computational Neuroscience (*CCN*) — Proceedings of the Conference on Neural Information Processing Systems (*NeurIPS*) — Proceedings of the International Conference on Learning Representations (*ICLR*) — Proceedings of the Annual Meeting of the Association for Computational Linguistics (*ACL*) — Conference of the North American Chapter of the Association for Computational Linguistics (*NAACL*)
- *Workshop Paper Proceedings*: Workshop on Model Interventions (@ NeurIPS 2024) — Workshop on Theory of Mind (@ ICLR 2023) — Workshop on Information-Theoretic Principles in Cognitive Systems (@ NeurIPS 2022, @ NeurIPS 2023) — Workshop on Natural Language Supervision (@ ACL 2022) — Workshop on Social Intelligence in Humans & Robots (@ ICRA 2021) — Workshop on Bridging AI & Cognitive Science (@ ICLR 2019)
- *Grant Proposals*: NSF Perception, Action & Cognition program — NSF Decision, Risk & Management Sciences program — NSF Linguistics program

Panelist

- NSF Linguistics, 2023

Open Software

- Advisory board: [empirica](#) platform for multiplayer web experiments.
- Primary maintainer: [mdsdt](#) R package and [MWERT](#) JavaScript framework
- Contributor: [tidyboot](#) and [rwebppl](#) R packages, [probmods](#) web book

Conference Service

- Area chair for Conference on Computational Linguistics (COLING), 2025
- Area chair for Conference on Language Modeling (COLM), 2024
- Meta-reviewer for Annual Conference of the Cognitive Science Society, 2024
- Co-organizer for [EVOLANG](#) Conference, Madison, 2024
- Co-organizer for Wisconsin Institute for Discovery Symposium, Madison, 2023
- Co-organizer for “[Cognitive-AI Benchmarking](#)” workshop, CogSci, 2023
- Co-organizer for “[Networks and Cognition](#)” workshop, Princeton, 2023
- Co-organizer for “Emergence of Conventions” symposium, CogSci, 2016
- Co-organizer for Stanford-Berkeley Cognitive Area Meetup, UC Berkeley, 2015
- Co-organizer for [Midwest Undergraduate Cognitive Science Conference](#), 2013

Departmental Service

- Stanford Linguistics graduate admissions committee, 2024 - Present
- Stanford Psychology graduate program committee, 2015-2018
- Co-organizer for Stanford cognitive science training seminar, 2017-2018
- Co-organizer for Stanford Cog/Neuro area training seminar, 2016-2017
- Stanford Psychology graduate admissions committee, 2015-2016

President of IU Student Organization for Cognitive Science, 2011 - 2012

IU Vice Provost for Undergraduate Education Advisory Board, 2011 - 2012