

Stanford



Robert Hawkins

Assistant Professor of Linguistics

Bio

BIO

I direct the Social Interaction & Language (SoIL) Lab at Stanford University. We're interested in the cognitive mechanisms that allow people to flexibly communicate, collaborate, and coordinate with one another. We work on these problems using large-scale, multi-player web experiments and computational models of language and social reasoning.

ACADEMIC APPOINTMENTS

- Assistant Professor, Linguistics

PROGRAM AFFILIATIONS

- Symbolic Systems Program

Teaching

COURSES

2024-25

- Language & Social Interaction Research Lab: LINGUIST 247S (Aut, Win, Spr)
- Methods in Psycholinguistics: LINGUIST 245B (Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Claire Bergey

Publications

PUBLICATIONS

- **Interaction structure constrains the emergence of conventions in group communication.** *Proceedings of the National Academy of Sciences of the United States of America*
Boyce, V., Hawkins, R. D., Goodman, N. D., Frank, M. C.
2024; 121 (28): e2403888121
- **The Emergence of Social Norms and Conventions.** *Trends in cognitive sciences*
Hawkins, R. X., Goodman, N. D., Goldstone, R. L.
2018
- **Improving the Replicability of Psychological Science Through Pedagogy** *Advances in Methods and Practices in Psychological Science.*

Hawkins, R. D., Smith, E. N., Au, C., Arias, J. M., Catapano, R., Hermann, E., Keil, M., Lampinen, A., Raposo, S., Reynolds, J., Salehi, S., Salloum, J., Tan, et al
2018; 1 (1): 7-18

- **Path ensembles and a tradeoff between communication efficiency and resilience in the human connectome** *BRAIN STRUCTURE & FUNCTION*
Avena-Koenigsberger, A., Masic, B., Hawkins, R. X., Griffa, A., Hagmann, P., Goni, J., Sporns, O.
2017; 222 (1): 603-618
- **Can two dots form a Gestalt? Measuring emergent features with the capacity coefficient.** *Vision research*
Hawkins, R. X., Houpt, J. W., Eidels, A., Townsend, J. T.
2016; 126: 19-33
- **A tutorial on General Recognition Theory** *JOURNAL OF MATHEMATICAL PSYCHOLOGY*
Silbert, N. H., Hawkins, R. X.
2016; 73: 94-109
- **The Formation of Social Conventions in Real-Time Environments** *PLOS ONE*
Hawkins, R. X., Goldstone, R. L.
2016; 11 (3)
- **The Formation of Social Conventions in Real-Time Environments.** *PloS one*
Hawkins, R. X., Goldstone, R. L.
2016; 11 (3): e0151670
- **Conducting real-time multiplayer experiments on the web** *BEHAVIOR RESEARCH METHODS*
Hawkins, R. X.
2015; 47 (4): 966-976
- **Bootstrap Methods for the Empirical Study of Decision-Making and Information Flows in Social Systems** *ENTROPY*
DeDeo, S., Hawkins, R. X., Klingenstein, S., Hitchcock, T.
2013; 15 (6): 2246-2276