

Samah Abdelrahim

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PERSONAL WEBSITE: SAMAHABDELRAHIM.GITHUB.IO/

EXPERIENCE

- **PhD candidate, Stanford Language and Cognition Lab** - 9/2022-ongoing
- **Coordinator of Developmental Psychology Brownbag (Devo Lunch) series- Stanford University**, 9/2023-5/2025
- **Faculty meeting student representative, Department of Psychology, Stanford University**, 9/2025-5/2026
- **Stats committee representative, Department of Psychology, Stanford University**, 9/2025-5/2026
- **Research assistant, Language and Cognition Lab, Columbia University (TC)**, 5/2021-5/2022
- **Research assistant, Development and Literacy Lab, Columbia University (TC)**, 9/2021-5/2022
- **Teaching assistant, Faculty of Engineering, University of Khartoum**, 11/2017-11/2018
- **Vice President, Arab Innovation Network – University of Khartoum (UOFK)** — 11/2016-11/2017
- **Co-founder and organizer, Reading Day - University of Khartoum (UOFK)** — 11/2015-11/2017
- **Member and Co-founder, Sudan Neuroscience Projects Unit, University of Khartoum (UOFK)** — 2019-2020

EDUCATION

- **Stanford University — Ph.D.**
Ph.D. in developmental psychology (PI: Michael C. Frank).
- **Columbia University — Master of Arts, May 2022**
Master of arts in cognitive science in education (Advisor: Peter Gordon).
- **Arizona State University — Master of Computer Science, August 2021**
Data science specialization.
- **University of Khartoum — Bachelor of Science, November 2017**
B.Sc. (Honors) degree in Electrical and Electronics Engineering, “specialization in Control and Instrumentation” (Advisor: Mustafa Nawari).

MENTORSHIP

- Toluwanimi Oke- Research assistant in the language and cognition lab, Autumn 2025
- Kai Vanderlip- Research assistant in the language and cognition lab, Autumn 2025
- Princess Awambu- Research assistant in the language and cognition lab, Autumn 2025
- Irakli Kvariani- Research assistant in the language and cognition lab, Autumn 2025
- Graduate mentor, IRISS internship program 2025 - Stanford University & Foothill College (Juan Bello)
- Graduate mentor, Symsys summer internship program 2025 - Stanford University (Rachel Bong)
- Graduate mentor, Psych-Summer internship program 2025 - Stanford University (Andrea Marie-Rose)
- Graduate mentor, Stanford University, Spring 2025 (Meesha Ryan, Sadio Mohamed Abdi, Claire Lee, Nivedita Kripalani)
- Graduate mentor, Stanford University, Winter 2024 (Meesha Ryan, Sadio Mohamed Abdi, Hoang D Nguyen, Claire Lee, Nivedita Kripalani)
- Graduate mentor, Stanford University, Fall 2024 (Meesha Ryan, Sadio Mohamed Abdi, Hoang D Nguyen)
- Graduate mentor, Bing Honors College, Stanford University, Summer 2024

- Graduate mentor, Psych Summer Internship, Stanford University, Summer 2024 (Sadio Mohamed Abdi)

TEACHING

- Teaching assistant, Introduction to Developmental Psychology, Stanford University, Autumn 2025
- Teaching assistant, Longitudinal Data Analysis in Social Science Research, Stanford University, Spring 2025
- Teaching assistant, Introduction to Statistical Methods, Stanford University, Fall 2024
- Head teaching assistant, Introduction to Social Psychology, Stanford University, Spring 2023
- Teaching assistant, Introduction to Developmental Psychology, Stanford University, Autumn 2023
- Teaching assistant, Introduction to Statistical Methods, Stanford University, Fall 2023
- Teaching assistant, Introduction to statistical methods, Stanford University, Fall 2023
- Course Assistant, language development course, Columbia University (TC), Fall 2021
- Teaching assistant, Programming logic controller lab, University of Khartoum (UOFK), Spring 2018
- Teaching assistant, Digital control systems, University of Khartoum (UOFK), Fall 2017
- Lightning talk, Unmasking Development in the Shape Bias, Stanford Psychology Department Colloquium, Autumn 2025
- Guest speaker, Informal research talk, Staff developmental day, Bing Nursery School, Stanford University, Spring 2025
- Guest lecturer, Cross-lagged panel models in longitudinal analysis, Psych 289/COMM 365, Stanford University, Spring 2025
- Guest lecturer, Psych 35/ Symsys 200, Minds and Machines, Stanford University, Summer 2024
- Guest lecturer, Stats and Society: On the history of statistics, Psych 10, Introduction to statistical modeling, Stanford University, Fall 2024
- Guest lecturer, Data visualization in R, Psych 10, Introduction to statistical modeling, Stanford University, Fall 2024

AWARDS, HONORS, AND FELLOWSHIPS

- Graduate Community Engaged Teaching (CET) Fellowship, Stanford Haas Center for Public Service, 2025-2026
- Paula Menyuk Travel Award BUCLD49, Boston University, 2024
- Diverse Intelligences Summer Institute fellowship, University of St Andrews, 2022
- Recipient of the Fulbright Foreign Student Scholarship, Columbia University, 2020
- Recipient of the Al-Ghurair Foundation for Education AGFE OLSP scholarship, Arizona State University, 2019
- Best paper award, ICCCEEE18 IEEE Conference, 2018
- Top 20 Outstanding Students in the national college entrance examination, Sudan, 2012

CONFERENCE POSTERS

- Abdelrahim, Jong, Lee, Ko, Frank 2025: Lexical Statistics in Early Noun Vocabularies: A Cross-Linguistic and Rater-Origin Perspective (accepted for BUCLD50-2025)
- Investigating heterogeneity in shape bias: a study on procedural, stimuli, and age-related variations. Samah Abdelrahim, Sadio Abdi, Meesha Ryan, Michael Frank (The 15th Annual BCCCD Conference, January 9-11, 2025 - BCCCD25)
- Abdelrahim, S. O, & Frank, M. C. (2024). Limited cross-linguistic variation in the lexical statistics of nouns in early vocabulary (BUCLD49-2024)

- Abdelrahim, S. O, & Frank, M. C. (2024). Examining the robustness and generalizability of the shape bias: a meta-analysis. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 46. Retrieved from <https://escholarship.org/uc/item/4526m5ms>
- Bisbee, N., Tang, J. E., Yu, S. J., Lyu, Z. X., Abdelrahim, S., & Gordon, P. (July 7 – 10, 2022). *Relations between exact number and exact equality: Developmental and cross-cultural perspectives*. [Conference Poster]. International Congress on Infant Studies (ICIS) 2022 XXIII Biennial Congress, Ottawa, Canada.
- Tang-Lonardo, J., Bisbee, N., Jain, M., Kirby, E., Kim, S. B., Abdelrahim, S., Gerami, S., Sezcon-Cepeda, D., Coffel, M., & Gordon, P. (May 26 - 29, 2022). *The Neural Mechanisms of Parallel Individuation and Numerical Approximation*. [Conference Poster] Association for Psychological Science (APS) 2022 Annual Convention, Chicago, IL, USA.
- Tang, J. E. , Bisbee, N., Jain, M., Kirby, E., Kim, S. B., Gerami, S., Sezcon-Cepeda, D., Gilchrist, K., Abdelrahim, S., Coffel, M., & Gordon, P. (July 27 - 30, 2022). *The Neurobehavioral Basis of Parallel Individuation and Numerical Approximation*. [Conference Poster]. Cognitive Science Society 2022, 44 The Annual Conference, Toronto, Canada.