

Xuechunzi Bai*

Curriculum Vitae February 2024

CONTACTS

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ACADEMIC APPOINTMENTS

Assistant Professor 2024 -
Department of Psychology, The University of Chicago
Affiliate: Center for Decision Research at Booth, Program in Cognitive Science

EDUCATION

Ph.D. Psychology and Social Policy, Princeton University 2024
Advisors: Susan T. Fiske, Thomas L. Griffiths
Certificate in Statistics and Machine Learning

M.A. Psychology, Princeton University 2020
Advisors: Susan T. Fiske, Alexander Todorov
Joint Degree in Social Policy

B.A. Social Sciences in Education, The University of Tokyo 2015
Advisors: Yuki Honda, Ryoko Tsuneyoshi

INDUSTRY EXPERIENCE

Research Intern Summer 2022
Adobe Design 3D/AI and AI Ethics, Seattle

HONORS AND AWARDS

Finalist, Honorific Fellowship, Graduate School, Princeton 2022

The Prize Fellowship in the Social Sciences, Graduate School, Princeton 2021

Student Publication Prize, Society for Personality and Social Psychology 2021

Graduate Student Fellow in Cognitive Science, Princeton 2020

Graduate Travel Award, Society for Personality and Social Psychology 2020

Social Policy Joint Degree Fellow, School of Public and International Affairs, Princeton 2019

Social Entrepreneurship Business Contest First Prize, The University of Tokyo 2014

Four-year Full Scholarship, Mabuchi International Scholarship Foundation 2010

*Feel free to call me by my last name, pronounce like *bye*, or you can try *shu-ya chun-zu*.

One-year Scholarship, Monbukagakusho Honors Scholarship	2010
Valedictorian, Japan Foundation, Ministry of Foreign Affairs	2008

PUBLICATIONS

† Equal contribution

Journal publications

- Bai, X.**, Griffiths, T. L., Fiske, S. T. (under review). Multidimensional stereotypes emerge spontaneously when exploration is costly.
- Bai, X.**, Uddenberg, S., Labbree, P. B., Todorov, A. (under review). Learning *too* much from *too* little: False face stereotypes emerge from a few exemplars and persist via insufficient sampling.
- Crockett, M., **Bai, X.**, Kapoor, S., Messeri, L., Narayanan, A. (2023). The limitations of machine learning models for predicting scientific replicability. *PNAS Letter*.
- McKee, K., **Bai, X.**, Fiske, S. T. (2023). Humans perceive warmth and competence in Artificial Intelligence. *iScience*.
- Nicolas, G., **Bai, X.**, Fiske, S. T. (2022). A spontaneous stereotype content model: Taxonomy, properties, processes, and prediction. *Journal of Personality and Social Psychology*.
- Bai, X.**, Fiske, S. T., Griffiths, T. L. (2022). Globally inaccurate stereotypes can result from locally adaptive exploration. *Psychological Science*, *33*(5), 671-684.
- Knipprath, K., Crul, M., Waldring, I., **Bai, X.** (2021). Urban space and social cognition: The effect of urban space on intergroup perceptions. *The Annals of the American Academy of Political and Social Science*, *697*(1), 192-206.
- Bai, X.**, Gauri, V., Fiske, S. T. (2021). Cosmopolitan morality trades off ingroup for the world, separating benefits and protection. *Proceedings of the National Academy of Sciences*, *118*(40).
- Bai, X.**†, Ramos, M. R.†, Fiske, S. T. (2020). As diversity increases, people paradoxically perceive social groups as more similar. *Proceedings of the National Academy of Sciences*, *117*(23), 12741-12749.
- Nicolas, G., **Bai, X.**, Fiske, S. T. (2020). Comprehensive stereotype content dictionaries using a semi-automated method. *European Journal of Social Psychology*, *51*(1), 178-196.
- Fiske, S. T., **Bai, X.** (2020). Vertical and horizontal inequality are status and power differences: Applications to stereotyping by competence and warmth. *Current Opinion in Psychology*, *33*, 216-221.
- Grigoryan, L.†, **Bai, X.**†, Durante, F., Fiske, S. T., Fabrykant, M., Maloku, E., Verbilovich, V., Hakobjanyan, A., Kadirov, K., Mullabaeva, N., Makashyili, A., Morozova-Larina, O., Yahiiaiev, I., Samekin, A., Berdyna, E. M. (2020). Stereotypes as historical accidents: Images of social class in post-communist versus capitalist societies. *Personality and Social Psychology Bulletin*, *46*(6), 927-943.
- Nicolas, G., **Bai, X.**, Fiske, S. T. (2019). Exploring research methods blogs in psychology: Who posts what about whom, with what effect. *Perspectives on Psychological Science*, *14*(4), 691-704.

Wu, S. J., **Bai, X.**, Fiske, S. T. (2018). Admired rich or resented rich? How two cultures vary in envy. *Journal of Cross-Cultural Psychology*, 49(7), 1114-1143.

Conference papers

Bai, X., Wang, A., Sucholutsky, I., Griffiths, T. L. (under review). Measuring Implicit Bias in Explicitly Unbiased Large Language Models.

Wang, A., **Bai, X.**, Barocos, S., Blodgett, S. L. (2023). Stereotypes make certain machine learning errors more experientially harmful. *ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO)*.

McKee, K., **Bai, X.**, Fiske, S. T. (2022). Warmth and competence in human-agent cooperation. *21st International Conference on Autonomous Agents and Multiagent Systems*.

Book chapters

Bai, X.†, Nicolas, G.†, Fiske, S. T. (2024). Social stereotype: Content and process. In D. Carlston, K. Johnson, & K. Hugenberg (Eds.), *The Oxford Handbook of Social Cognition: 2nd Edition/Volume*.

Fiske, S. T., Nicolas, G., **Bai, X.** (2020). Stereotype content model: How we make sense of individuals and groups. In P. A. M. Van Lange, E. T. Higgins, & A. W. Kruglanski (Eds.), *Social psychology handbook of basic principles (2nd ed)*. New York: Guilford.

PRESENTATIONS

Chaired panels

Networks and cognition workshop 2023
Department of Psychology. Princeton, US. *website*

Computational social cognition: 2022
Social sense-making and formal modeling get acquainted.
Society of Personality and Social Psychology. San Francisco, US. *video*

Toward the next generation of psychological science: 2022
Classic problems innovative solutions.
Young Chinese Association for Personality and Social Psychology (YCA-PSP). *flyer*

Social biases in machine learning and in human nature: 2021
What social scientists and computer scientists can learn from each other.
DataX, Center for Statistics and Machine Learning, Princeton, US. *website*

The diversity paradox: postponed 2020
Mechanisms underlying mixed effects of social diversity.
European Association of Social Psychology General Meeting, Krakow, Portland.

Invited talks

Computational Social Science Workshop, The University of Chicago, US 2024
Formal Models of Stereotyping and Prejudice Symposium, SPSP, San Diego, US

AI Ethics in the Workplace: Challenges and Opportunities, AOM, Boston, US Historical Psychology Preconference, SPSP, Atlanta, US ConCats Talk Series, New York University, US Department of Psychology, The University of Chicago, US Social, Personality, and Developmental Seminar Series, The University of Washington, US	2023
Department of Psychology, University of California, Davis, US Organizational Behavior, Stanford Graduate School of Business, US Work and Organization Studies, MIT Sloan, US Organizational Behavior, Yale School of Management, US Social Cognition Brown Bag, The Ruhr University Bochum, Germany Summer Institute in Computational Social Science, Taiwan Emerging Scholar Series, New York University, US Six College Conference, Cornell University, US Overcoming Prejudice Against Immigrant Minorities, University of Pennsylvania, US Dimensions of the Social Mind Conference, Princeton University, US Becoming a Minority Conference, CUNY New York, US	2022
Bias in AI Reading Group, Princeton University, US Harvard Women in Psychology Summit Main Session, Harvard University, US Xin Qing Nian, School of Psychology and Cognitive Sciences, Peking University, China Social Cognition Talk Series, Southwest University, China Six College Conference, Columbia University, US Collaborative Research Center Hybrid Societies, Chemnitz University of Technology, Germany	2021
Single Paper Data Blitz, SPSP, New Orleans, US eMBeD Summer University Workshop, The World Bank Group, Washington DC, US	2020
TEDxUTokyo, Tokyo, Japan	2015

TEACHING

PSY/COS360 Computational Models of Cognition (Instructor: Tom Griffiths)	Fall 2023
PSY252 Social Psychology (Instructor: Rebecca Carey)	Spring 2023
PSY101 Introduction to Psychology (Instructor: Joel Cooper)	Fall 2022
PSY254 Developmental Psychology (Instructor: Casey Lew-Williams)	Spring 2021
Department Statistics Tutor	2020 - 22

MENTORING

Undergraduate Thesis Students:

Ogechi Adele, Yolore Airewele, Obiageri Amaechi, Carmella Asparrin, Andrijana Bilbija, Jessica Brice, Dana Harris, Gaea Lawton, Jean Luo, James Packman, Serena Starks

SERVICE

Department Diversity Equity and Inclusion Committee	2021 - 24
International Journal Club with non-Native English Speakers	2021 - 23
SPSP Mentoring Program	2023

REVIEWING

Frontiers in Psychology, Journal of Applied Social Psychology, Journal of Computational Social Science, Journal of Experimental Social Psychology, Journal of Migration and Ethnic Studies, Journal of Personality and Social Psychology, Motivation Science, Nature Human Behavior, Proceedings of the National Academy of Sciences, Psychological Review, Trends in Cognitive Sciences

REFERENCES

Dr. Susan T. Fiske

Eugene Higgins Professor, Departments of Psychology
Professor, School of Public and International Affairs, Princeton University
sfiske@princeton.edu

Dr. Thomas L. Griffiths

Henry R. Luce Professor of Information Technology, Consciousness and Culture
Departments of Psychology and Computer Science, Princeton University
tomg@princeton.edu

Dr. Alexander Todorov

Leon Carroll Marshall Professor of Behavioral Science
Booth School of Business, The University of Chicago
alexander.todorov@chicagobooth.edu