Stanford



Jack Fitzgerald

Postdoctoral Scholar, SCRDP/ Heart Disease Prevention

Curriculum Vitae available Online

Bio

BIO

I am a Postdoctoral Scholar at Stanford University, based in the Meta-Research Innovation Center at Stanford. I retain a guest affiliation with the Department of Ethics, Governance, and Society at Vrije Universiteit Amsterdam, where I received my PhD in Economics and Business Administration cum laude. I am also a Fellow of the Institute for Replication.

STANFORD ADVISORS

- John Ioannidis, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: https://jack-fitzgerald.github.io/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I work on issues in applied econometrics, replication, and metascience, and I am dedicated to improving methods in scientific research. My research can broadly be categorized as follows:

Replication-based methods research

I work to evidence the importance of methodological improvements through re-analyzing the replication data of large numbers of published articles that use similar methods. My job market paper evidences the importance of equivalence testing in 81 articles that advertise null results, my paper on log-like specifications re-analyzes 46 articles that use such specifications, and my paper on manipulation tests in regression discontinuity design re-analyzes 36 published articles using such designs.

Equivalence testing and practical significance testing

My job market paper introduces methods that can provide statistically significant evidence that economic relationships are practically equal to zero. In their absence, error rates in top economics journals are quite high. I've also employed these tests in empirical applications, such as my article in Journal of Business Ethics, and in extended methodological applications, such as in my tutorial on three-sided testing.

Robustness tests for causal inference

I work on methods for testing critical assumptions in causal designs, including manipulation tests in regression discontinuity design and hypothetical bias experiments

Replication

I have reproduced over 140 papers throughout my PhD, and I have published replication work in Nature Human Behaviour, Journal of Political Economy: Microeconomics, and two times in the Proceedings of the National Academy of Sciences. I have several comments under invited (re)submission concerning publications in American Economic Journal: Applied Economics and Management Science.

Publications

PUBLICATIONS

- **AI-assisted teams outperform AI-led teams but not human-only teams in assessing research reproducibility in quantitative social science.** *Proceedings of the National Academy of Sciences of the United States of America*
  Brodeur, A., Valenta, D., Marcoci, A., Aparicio, J. P., Mikola, D., Barbarioli, B., Alexander, R., Deer, L., Stafford, T., Vilhuber, L., Bensch, G., Motoki, F., Abdelhady, et al
  2026; 123 (22): e2524747123
- **AI-assisted teams outperform AI-led teams but not human-only teams in assessing research reproducibility in quantitative social science** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Brodeur, A., Valenta, D., Marcoci, A., Aparicio, J. P., Mikola, D., Barbarioli, B., Alexander, R., Deer, L., Stafford, T., Vilhuber, L., Bensch, G., Motoki, F., Abdelhady, et al
  2026; 123 (22)
- **Three-Sided Testing to Establish Practical Significance: A Tutorial** *ADVANCES IN METHODS AND PRACTICES IN PSYCHOLOGICAL SCIENCE*
  Isager, P., Fitzgerald, J.
  2026; 9 (2)
- **Revisiting the cognitive advantages of professional soccer players** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Fitzgerald, J., Jakobsson, N., Brodeur, A.
  2026; 123 (8): e2515523123
- **Imputations, inverse hyperbolic sines and impossible values** *NATURE HUMAN BEHAVIOUR*
  Fitzgerald, J.
  2026; 10 (2): 239-242
- **Identifying the impact of hypothetical stakes on experimental outcomes and treatment effects** *EXPERIMENTAL ECONOMICS*
  Fitzgerald, J.
  2026
- **US states that mandated COVID-19 vaccination see higher, not lower, take-up of COVID-19 boosters and flu vaccines** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Fitzgerald, J.
  2024; 121 (41): e2403758121
- **Is There a Foreign Language Effect on Workplace Bribery Susceptibility? Evidence from a Randomized Controlled Vignette Experiment** *JOURNAL OF BUSINESS ETHICS*
  Fitzgerald, J., Stroet, P., Weissmueller, K. S., van Witteloostuijn, A.
  2025; 197 (1): 73-97