

Nikhil Addleman

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Born: May 18, 1989—Salinas, California
Nationality: American

Areas of specialisation

Mathematical Modeling in Social Science, Computational Statistics, Applied Mathematics

Education

2011-2015 B.S. in Mathematics (Pure Mathematics), University of New Mexico
2015-2021 Ph.D. in Social Sciences, Mathematical Behavioral Science, University of California Irvine

Fellowships & awards

2019 Associated Graduate Students Research Travel Grant, UC Irvine
2016-2020 Summer Research Award, IMBS, UC Irvine
2018 & 2019 Social Sciences Associate Dean Fellowship, UC Irvine
2014-2015 NSF Research Experience for Undergraduates Scholarship, University of New Mexico
2008 Undergraduate Research Fellowship, Occidental College
2007 Mathematics Student of the Year, York School

Scholarly Articles & talks

RESEARCH PAPERS

2021 Addleman, Nikhil (2021), "Chaos in a two-population rock-paper-scissors game", (Prepared for publication)
2020 Addleman, Nikhil (2020), "The Ecology of Religious Groups", (Prepared for publication).
2020 Addleman, Nikhil (2020), "Invasion Dynamics in Coordination Games Played on Networks", (PhD dissertation chapter).

WORK IN PROGRESS

Gooyabadi, Maryam & Addleman, Nikhil. "Probabilistic ranking system of moral concepts: an application of chess scaling".

TALKS

- 2019 "Spatial Dynamic Models of Religious Diversity", IMBS Luce Graduate Student Conference, Irvine
- 2018 "Equilibrium Miscoordination in Coordination Games Played on Metric Spaces", International Conference on Game Theory, Stony Brook
- 2018 "Equilibrium Miscoordination in Coordination Games Played on Metric Spaces", IMBS Luce Graduate Student Conference, Irvine
- 2018 "Coordination in a Population on a Metric Space: Local Interaction Without Networks", Social Dynamics Seminar, Irvine
- 2017 "An Evolutionary Model of Convention Entrenchment", IMBS Luce Graduate Student Conference, Irvine
- 2016 "Invasion Dynamics in Coordination Games Played on Networks", IMBS Luce Graduate Student Conference, Irvine
- 2015 "A Stochastic Model of Childhood Disease on Metapopulations", Southwestern Undergraduate Mathematics Research Conference, El Paso

Other Experience

RESEARCH

- 2018-2019 Research Assistant, Economics, UC Irvine. "Identity and Underrepresentation: Interactions between Race and Gender". PI: Jean-Paul Carvalho

SERVICE AND TEACHING

- 2016-2019 Organizer & Referee – IMBS Luce Graduate Student Conference, UC Irvine
- 2016-2021 Organizer – IMBS Seminar Series, UC Irvine
- 2015-2021 Teaching Assistant, Social Sciences, UC Irvine
- 2012-2014 Tutor of Mathematics, Chemistry, & Physics. Tutordocor. Salinas, CA
- 2008-2010 Chemistry Tutor. Scientific Scholars Achievement Program. Occidental College

TECHNICAL WORK

- 2020 Contract Software Developer. Designed and built software for generating exams from question banks.

Technical Skills

Mathematics: Dynamical Systems, Probability Theory, Differential Equations, Measurement Theory, (Evolutionary) Game Theory, Graph Theory

Statistics: Geospatial Statistics, Time Series, Machine Learning

Computation: Python (NumPy, Pandas, scikit-learn), Julia, Clojure, R, MATLAB