Yi-Ta Lu

CONTACT INFORMATION	Department of Political Science Stony Brook University Stony Brook, NY, 11794, USA	yi-ta.lu@stonybrook.edu https://yitalu.github.io

ACADEMIC POSITIONS

Postdoctoral Research Fellow *Since:* Sep 2021
Department of Human Behavior, Ecology and Culture
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

Graduate Lecturer Summer 2018 to Present
Department of Political Science
Stony Brook University, NY, USA

EDUCATION

Ph.D. in Political Science *Expected:* May 2021
Stony Brook University, NY, USA

M.A. in Economics Dec 2015
Stony Brook University, NY, USA

M.S. in Physics Jun 2011
National Chiao Tung University, Taiwan

B.S. in Physics Jun 2009
National Cheng Kung University, Taiwan

DOCTORAL DISSERTATION

Policy Cooperation Under Threats: Effects of Competition Between Interest Groups
Committee: Oleg Smirnov (Advisor), Reuben Kline, John Barry Ryan, Tim Johnson

RESEARCH INTERESTS

Behavioral Political Economy, Collective Actions, Cultural Evolution, Demography

RESEARCH METHODS

Computational Modeling, Game Theory, Statistical Analysis, Lab Experiments,
Survey Experiments

RESEARCH EXPERIENCE

Graduate Research Assistant Aug 2016 to May 2018
Department of Political Science
Stony Brook University
Supervisor: Andrew Delton, John Barry Ryan, Oleg Smirnov, and Peter DeScioli

Visiting Student Jun 2015 to Aug 2015
Department of Psychology
The Ohio State University
Supervisor: Ian Krajbich

Full-Time Research Assistant Jun 2012 to Jul 2014
Department of Economics
National Taiwan University, Taiwan
Supervisor: Chen-Ying Huang

PEER-REVIEWED JOURNAL PUBLICATIONS

Chung, H. K., Sjöström, T., Lee, H. J., **Lu, Y. T.**, Tsuo, F. Y., Chen, T. S., Chang, C. F., Juan, C. H., Kuo, W. J., and Huang, C. Y. "Why Do Irrelevant Alternatives Matter? an FMRI-TMS Study of Context-Dependent Preferences." *Journal of Neuroscience*, 2307-16, 2017.

Deng, D. M., **Lu, Y. T.**, and Chang, C. H. "Fluctuation Relations Between Hierarchical Kinetically Equivalent Networks With Arrhenius-Type Transitions and Their Roles in Systems and Structural Biology." *Physical Review E*, 95(6), 062401, 2017.

WORKING PAPERS **Lu, Y. T.**, Hwang, W. H., Hsieh, Y. T., Ho, T. Y., Zhu, J. D., Wu, S. W., Yeh, C. I., and Huang, C. Y. "On Morality in Monkeys" 2020. Submitted to *eLife*.

"An Agent-Based Model of Elections with Endogenous Candidates, Voters, and Media" with Oleg Smirnov and John Barry Ryan.

"Does Media Bias Cause Political Polarization? an Agent-Based Model of Biased Media, Motivated Reasoners, and Political Polarization" (single author).

"Trust, Inequality and Redistributive Demands in Latin America" with Robert Vidigal.

WORK IN PROGRESS "Policy Cooperation Under Threats: Effects of Competition Between Interest Groups" with Oleg Smirnov.

"Followership and Misinformation Credibility on Twitter During the Pandemic" with Inyoung Shin and Luxuan Wang.

"Partisanship, Polarization, and Inequality Over Time" with Matthew Lebo and Gregory Koger.

PROGRAMS AND AWARDS International Winter School on Agent-Based Modeling (with certificate) Jan 4-15, 2021
    Network for Computational Modeling in Social and Ecological Sciences
    Arizona State University

BIGSSS Summer School in Computational Social Science   *Expected:* Jul 2020
    Department of Sociology
    University of Groningen, Netherlands
    (program postponed to Jul 2021 due to COVID-19 outbreak)

SICSS Grant for Survey Experiment on Amazon Mechanical Turk ($1000)   Jul 2020
    Summer Institute in Computational Social Science
    Duke University

Summer Institute in Computational Social Science at Rutgers   Jun 15-26, 2020
    DIMACS (Center for Discrete Mathematics and Theoretical Computer Science)
    Rutgers New Brunswick Libraries
    Department of Political Science, Rutgers University

Full Tuition Scholarship and Stipend   Fall 2016 to Present
    Department of Political Science
    Stony Brook University

Introduction to Complexity (with certificate)   Fall 2019
    Courses by Complexity Explorer
    Santa Fe Institute

Introduction to Agent-Based Modeling (with certificate)   Summer 2019
    Courses by Complexity Explorer
    Santa Fe Institute

Excellent Achievement Award   2005
    for participation in the *Physics Contest* within the top 5 percent of all the students
    participated in the academic year, National Cheng Kung University, Taiwan

Distinguished Achievement Award   2005
    for participation in the *Calculus Contest* within the top 10 percent of all the students
    participated in the academic year, National Cheng Kung University, Taiwan

PRESENTATIONS
"Does Media Bias Cause Political Polarization? An Agent-based Model of Biased Media, Motivated Reasoners, and Political Polarization" at the American Political Science Association Annual Meeting, San Francisco, CA   Sep 10, 2020

"Partisanship, Polarization, and Inequality Over Time" at the Midwest Political Science Association Conference, Chicago, IL   *Expected:* Apr 19, 2020
(conference canceled due to COVID-19 outbreak)

"Group Cooperation in a Policy Bargaining Game" at the Center for Behavioral Political Economy, Stony Brook University   Feb 12, 2020

"An Agent-based Model of Elections with Endogenous Candidates, Voters, and Media" at the Midwest Political Science Association Conference, Chicago, IL   Apr 6, 2019

"Distributional Preferences under Rank Reversal Aversion" at the Center for Behavioral Political Economy, Stony Brook University   Mar 6, 2018

TEACHING
Instructor
- World Politics   Summer 2018 to Present
  Department of Political Science
  Stony Brook University

Teaching Assistant
- Neuroeconomics (with Prof. Chen-Ying Huang)   Spring 2014
  Department of Economics
  National Taiwan University

Courses Can Offer
- Undergraduate: World Politics, Statistics, Research Methods
- Graduate: Political Economy, Behavioral Economics, Cooperation, Game Theory, Computational Modeling, Data Analysis, Experimental Design

SKILLS
Software
    Python, R, Stata, oTree, NetLogo, Matlab, Mathematica, LaTeX, Qualtrics

Language
    English (fluent), Mandarin (native), Taiwanese (intermediate)

PROFESSIONAL ACTIVITIES
Affiliations
    Center for Behavioral Political Economy, Stony Brook University

Memberships
    American Political Science Association, Midwest Political Science Association, Society for Political Methodology

Service
    Discussant APSA 2020

REFERENCES
Available Upon Request.