

## Yi-Ta Lu

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| CONTACT INFORMATION   | Department of Human Behavior, Ecology and Culture<br>Max Planck Institute for Evolutionary Anthropology<br>Deutscher Platz 6, 04103 Leipzig, Germany   | yí.ta.lu@eva.mpg.de<br><a href="https://yitalu.github.io">https://yitalu.github.io</a>   |
| ACADEMIC POSITIONS    | <b>Postdoctoral Researcher</b><br><i>BirthRites</i> Lise Meitner Research Group<br>Department of Human Behavior, Ecology and Culture<br>Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany<br><br><b>Instructor</b><br>Department of Political Science<br>State University of New York at Stony Brook, NY, USA<br><br><b>Full-Time Research Assistant</b><br>Department of Economics<br>National Taiwan University, Taiwan | Sep 2021 to Present<br><br><br><br><br><br><br><br><br><br>Jul 2018 to May 2021<br><br><br><br><br><br><br><br><br><br>Jun 2012 to Jul 2014              |
| EDUCATION             | <b>Ph.D. in Political Science</b><br>State University of New York at Stony Brook, NY, USA<br><br><b>M.A. in Economics</b><br>State University of New York at Stony Brook, NY, USA<br><br><b>M.S. in Physics</b><br>National Chiao Tung University, Taiwan<br><br><b>B.S. in Physics</b><br>National Cheng Kung University, Taiwan  | May 2021<br><br><br><br><br><br><br><br><br><br>Dec 2015<br><br><br><br><br><br><br><br><br><br>Jun 2011<br><br><br><br><br><br><br><br><br><br>Jun 2009 |
| DOCTORAL DISSERTATION | <i>Policy Cooperation Under Threats: Effects of Competition on Coalition Lobbying</i><br>Committee: Oleg Smirnov (Advisor), Reuben Kline, John Barry Ryan, Tim Johnson   |  |
| RESEARCH INTERESTS    | Political Economy, Social Dilemmas, Evolutionary Demography, Cultural Evolution  |  |
| RESEARCH METHODS      | Agent-Based Modeling, Statistical Analysis (Bayesian, Frequentist, Time Series), Game Theory, Lab Experiments, Survey Experiments  |  |
| RESEARCH EXPERIENCE   | <b>Graduate Research Assistant</b><br>Department of Political Science<br>Stony Brook University<br>With: Andrew Delton, John Barry Ryan, Oleg Smirnov, and Peter DeScioli<br><br><b>Visiting Student</b><br>Department of Psychology<br>The Ohio State University<br>With: Ian Krajbich  | Aug 2016 to May 2018<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>Jun 2015 to Aug 2015                                 |
| PUBLICATIONS          | <b>Lu, Y. T., &amp;</b> Colleran, H. ( <i>Forthcoming</i> ). Fertility Transitions. In R. Kendal, J. Tehrani, & J. Kendal (Eds.), <i>The Oxford Handbook of Cultural Evolution</i> . Oxford University Press.  |  |

**Lu, Y. T.**, Hwang, W. H., Hsieh, Y. T., Ho, T. Y., Zhu, J. D., Yeh, C. I., & Huang, C. Y. (2022). Choices Behind the Veil of Ignorance in Formosan Macaques. *PNAS Nexus*, 1(4).

Shin, I., Wang, L., & **Lu, Y. T.** (2022). Twitter and Endorsed (Fake) News: The Influence of Endorsement by Strong Ties, Celebrities, and a User Majority on Credibility of Fake News During the COVID-19 Pandemic. *International Journal of Communication*, 16, 23.

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., & Huang, C. Y. (2017). Why Do Irrelevant Alternatives Matter? an fMRI-TMS Study of Context-Dependent Preferences. *Journal of Neuroscience*, 37(48), 11647-11661.

Deng, D. M., **Lu, Y. T.**, & Chang, C. H. (2017). 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.

#### WORK IN PROGRESS

“The Coevolution of Human Fertility and Wealth Stratification” with Heidi Colleran, Anne Kandler, and Adam Powell.

“Congress’s Role in Concentrating Wealth in the United States” with Matthew Lebo and Gregory Koger.

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

“Policy Cooperation Under Threats: Effects of Competition on Coalition Lobbying” (single author).

“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.

#### PROGRAMS AND AWARDS

Software Carpentry Workshop Nov 29 - Dec 3, 2021  
Scientific Computing for Evolutionary Anthropology  
Max Planck Institute for Evolutionary Anthropology

Honorable Mention Aug 24-27, 2021  
for participation in the *Social Simulation Workshop/Competition*  
Institute of Sociology, Academia Sinica, Taiwan

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

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|---------------|---|--|
|               | Full Tuition Scholarship and Stipend<br>Department of Political Science<br>Stony Brook University   | Fall 2016 to Spring 2021   |
|               | Introduction to Complexity (with <a href="#">certificate</a> )<br>Courses by Complexity Explorer<br>Santa Fe Institute  | Fall 2019  |
|               | Introduction to Agent-Based Modeling (with <a href="#">certificate</a> )<br>Courses by Complexity Explorer<br>Santa Fe Institute  | Summer 2019  |
|               | Excellent Achievement Award<br>for participation in the <i>Physics Contest</i> within the top 5 percent of all the students<br>participated in the academic year, National Cheng Kung University, Taiwan  | 2005   |
|               | Distinguished Achievement Award<br>for participation in the <i>Calculus Contest</i> within the top 10 percent of all the students<br>participated in the academic year, National Cheng Kung University, Taiwan  | 2005   |
| PRESENTATIONS | <p>“The Coevolution of Human Fertility and Wealth Stratification” at the Cultural Evolution Society Conference, Aarhus University, Aarhus, Denmark</p> <p>“Social Dilemmas in Politics” at the Department of Humanities and Social Sciences, National Tsing Hua University, Hsinchu, Taiwan</p> <p>“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</p> <p>“Partisanship, Polarization, and Inequality Over Time” at the Midwest Political Science Association Conference, Chicago, IL<br/>(<i>conference canceled due to COVID-19 outbreak</i>)</p> <p>“Group Cooperation in a Policy Bargaining Game” at the Center for Behavioral Political Economy, Stony Brook University</p> <p>“An Agent-based Model of Elections with Endogenous Candidates, Voters, and Media” at the Midwest Political Science Association Conference, Chicago, IL</p> <p>“Distributional Preferences under Rank Reversal Aversion” at the Center for Behavioral Political Economy, Stony Brook University</p> | <p>Sep 22, 2022</p> <p>Mar 29, 2022</p> <p>Sep 10, 2020</p> <p><i>Expected:</i> Apr 19, 2020</p> <p>Feb 12, 2020</p> <p>Apr 6, 2019</p> <p>Mar 6, 2018</p> |
| TEACHING      | <p>Instructor</p> <ul style="list-style-type: none"> <li>World Politics</li> </ul> <p>Department of Political Science<br/>Stony Brook University</p> <p>Teaching Assistant</p> <ul style="list-style-type: none"> <li>Neuroeconomics (with Prof. Chen-Ying Huang)</li> </ul> <p>Department of Economics<br/>National Taiwan University</p> <p>Courses Can Offer</p> <ul style="list-style-type: none"> <li>Undergraduate: World Politics, Statistics, Research Methods</li> <li>Graduate: Political Economy, Behavioral Economics, Cooperation, Game Theory, Computational Modeling, Data Analysis, Experimental Design, R for Statistics</li> </ul>  | <p>Summer 2018 to May 2021</p> <p>Spring 2014</p>  |

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| SKILLS                     | Software   |
|                            | Python, R, Stata, oTree, NetLogo, Matlab, Mathematica, L <sup>A</sup> T <sub>E</sub> X, Qualtrics  |
| PROFESSIONAL<br>ACTIVITIES | Language   |
|                            | English (fluent), Mandarin (native), Taiwanese (intermediate)  |
|                            | Affiliations   |
|                            | Theory in Cultural Evolution Lab, Max Planck Institute for Evolutionary Anthropology<br>Center for Behavioral Political Economy, Stony Brook University  |
|                            | Memberships  |
|                            | American Political Science Association, Midwest Political Science Association, Society<br>for Political Methodology, Cultural Evolution Society, European Human Behaviour<br>and Evolution Association |
|                            | Service  |
|                            | Moderator EHBEA 2022, Discussant APSA 2020   |
| REFERENCES                 | Available Upon Request.  |