

## Antonio Sirianni

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Cornell University

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Ithaca, NY 14853

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- EDUCATION**      **Cornell University**, Ithaca, NY  
Doctor of Philosophy, Sociology, Expected: May 2019  
Master of Arts, Sociology, January 2017  
Qualifying Exams: Social Networks, Quantitative Methods  
Committee: Michael Macy (Chair), Benjamin Cornwell, Douglas Heckathorn
- Yale University**, New Haven, CT  
Bachelor of Science, Psychology, May 2010  
Awards: Distinction in Psychology, Varsity Letter in Rowing
- RESEARCH INTERESTS**      Social Networks, Computational Social Science, Social Psychology, Social Interaction, Group Dynamics, Simulation
- PEER REVIEWED ARTICLES**      **Sirianni, Antonio**. “Expectation and Coordination in Small Groups: A Simulation-Based Approach.” *Advances in Group Processes*, Vol. 35. 2018.
- PUBLISHED CONFERENCE PROCEEDINGS**      **Sirianni, Antonio**. “The Effect of Service Cost on the Valence and Length of Online Reviews.” *International Conference on Social Informatics*, 2018.
- Berry, George, **Antonio Sirianni**, Nathan High, Agrippa Kellum, Ingmar Weber and Michael Macy. “Estimating Group Properties with a Classifier in Online Social Networks.” *International Conference on Social Informatics*, 2018.
- WORK UNDER REVIEW**      **Sirianni, Antonio**. “Retaliation or Advertisement? The Influence of Specialization on Sanctioning Behavior.” Revise and Resubmit at *Social Forces*.
- Sirianni, Antonio**, Chris Cameron, Yongren Shi & Douglas Heckathorn. “Optimizing the Choice of Estimator in Respondent-Driven Sampling: An Analytic Approach.”
- WORKING DRAFTS**      **Sirianni, Antonio**. “Taking One for the Team: Violent Roles in Professional Ice Hockey.”
- Winner of 2016 Robert B. McGinnis Best Methodological Paper Award, Cornell University
- Berry, George, Michael Macy, Ingmar Weber, Jinsun An, Christopher Cameron, Minsu Park & **Antonio Sirianni**. “Online Demographic Homophily in Two Major American Cities.”
- Sirianni, Antonio** & Matthew Brashears. “Detecting and Modeling Discontinuities in Blau Space.”
- Sirianni, Antonio**. “The Deckhand’s Dilemma: A Game-Theoretic Study of Inequality and Over-Incentivization.”
- MANUSCRIPTS UNDER PREPARATION**      **Sirianni, Antonio** & Thomas Davidson. “Fundamentally Retrogressive? The Effects of Novelty and Stigma on the Success of Adult Film Performers.”
- Accominotti, Fabien & **Antonio Sirianni**. “Collaborations and Careers: Disentangling Quality Signaling and Collective Skill Formation in the French Film Industry.”

**PRESENTATIONS** **The Deckhand's Dilemma: A Game-Theoretic Study of Inequality and Over-Incentivization**

Meeting of the American Sociological Association. Philadelphia, PA. August, 2018.

**A Study of the Career Trajectories of Adult Film Performers**

Meeting of the Eastern Sociological Society. Baltimore, MD. February, 2018. (Co-presented with Thomas Davidson)

**Expectation and Coordination in Small Groups: A Simulation-Based Approach**

Group Processes Conference. Montreal, QC. August, 2017.

Interdisciplinary Network for Group Research Conference. St. Louis, MO. July, 2017.

Cornell Sociology Research Symposium. Ithaca, NY. March, 2017.

**Violent Roles in Professional Ice Hockey**

Meeting of the American Sociological Association. Seattle, WA. August, 2016.

**Differentiating Structural and Preferential Homophily**

Sunbelt Conference for the International Network for Social Network Analysis. Brighton, United Kingdom. June, 2015.

**Cooperative Conflict: Fighting in Professional Ice Hockey**

8th Conference for the International Network of Analytical Sociologists. Harvard University, Cambridge, MA. June, 2015.

Cornell Sociology Graduate Student Association Presentation Series. Ithaca, NY. March, 2015.

**COURSES  
TAUGHT**

Summer 2018

Introduction to Sociology, School of Continuing Education, Cornell University

**TEACHING**

Spring 2018

**ASSISTANTSHIPS**

Data Science for All, College of Engineering, Cornell University

Spring 2017

Introduction to Sociology, College of Arts and Sciences, Cornell University

Fall 2016, Fall 2015

Evaluating Statistical Evidence, College of Arts and Sciences, Cornell University

Spring 2016

Linear Models, College of Arts and Sciences, Cornell University

Spring 2016, Fall 2015

Negotiation Essentials, Johnson School of Business, Cornell University

**RESEARCH**

**ASSISTANTSHIPS**

Fall 2017

Dr. Michael Macy, Social Dynamics Laboratory

Analyzed longitudinal patterns of hashtag use across different political camps in Egypt during the Arab Spring.

Fall 2015-Present

Dr. Douglas Heckathorn

Simulated random walks on empirical networks to compare the validity of different respondent-driven sampling estimators.

Fall 2014-Spring 2015

Dr. Matthew Brashears

Developed method of determining when and how continuous variables should be split into categories when analyzing the structure of a network.

**PROFESSIONAL EXPERIENCE** March-August 2013  
Senior Data Scientist, Wayfair.com

November 2011-March 2013  
Data Scientist, Wayfair.com

September 2010-November 2011  
Business Analyst, Wayfair.com

**OTHER EXPERIENCE & TRAINING** **Santa Fe Institute**  
Fall 2017  
Online Complexity Challenge Course Mentor

June 2017  
Advanced Graduate Workshop in Complexity and Computational Social Science

June 2016  
Graduate Workshop in Complexity and Computational Social Science

**Harvard University Extension School**  
September 2011 - December 2012  
Coursework in Mathematics, Statistics, and Geographic Information Systems

**SOFTWARE AND PROGRAMMING SKILLS** Python, R, Structured Query Language (SQL), STATA, SPSS, Microsoft Office (Including Excel and Access), UCINet, NetLogo

**PROFESSIONAL AFFILIATIONS AND SERVICE** **American Sociological Association**  
Section Memberships:

- Social Psychology
- Mathematical Sociology
- Methodology
- Organizations, Occupations, and Work
- Communication, Information Technology, And Media Strategies
- Evolution, Biology and Society
- Rationality and Society

**Cornell Sociology Graduate Student Association**

- 2016-18 Graduate Student Mentoring Committee
- 2015-16 Co-Chairperson
- 2014-15 Social Events Committee

**Interdisciplinary Network For Group Research**

- Reviewer for 2018 Annual Conference

**International Network of Social Network Analysis**

**Eastern Sociological Society**