

Antonio Sirianni

homepage: antoniosirianni.com
e-mail:antonio.d.sirianni@dartmouth.edu

Dartmouth College
306A Blunt
Hanover, NH 03755

- ACADEMIC APPOINTMENTS** **Dartmouth College**, Hanover, NH
Postdoctoral Fellow, Program in Quantitative Social Science & Department of Sociology, August 2019-Present
- EDUCATION** **Cornell University**, Ithaca, NY
Doctor of Philosophy, Sociology, August 2019
Master of Arts, Sociology, January 2017
Qualifying Exams: Social Networks, Quantitative Methods
Committee: Michael Macy (Chair), Benjamin Cornwell, Douglas Heckathorn
Dissertation: *The Social Structure of Stigmatized Occupations*
- 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**. "The Specialization of Informal Social Control: Fighting in Professional Ice Hockey from 1960-2012 ." Revise and Resubmit at *Social Forces*.
- Winner of 2019 Best Graduate Student Paper Award, Rationality and Society Section of the American Sociological Association
- 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 Department of Sociology
- Berry, George, Michael Macy, Ingmar Weber, Jinsun An, Christopher Cameron, Minsu Park & **Antonio Sirianni**. "Online Demographic Homophily in Two Major American Cities."
- 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 2019, Summer 2018

Introduction to Sociology, School of Continuing Education, Cornell University

**TEACHING
ASSISTANTSHIPS**

Spring 2019, Spring 2018

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**

Spring 2019

Dr. Benjamin Cornwell

Prepared materials for workshops on the use of sequence analysis methods in social sciences research.

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