

# Anne Kavalerchik

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## EDUCATION

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- Current**     **Indiana University**, *Departments of Sociology and Informatics*  
Complex Networks & Systems,  
National Science Foundation Research Traineeship (CNS-NRT)  
Ph.D student in Sociology, began August 2019  
Ph.D student in Informatics, began August 2020  
Research interests: science and technology, social change, inequality,  
quantitative methods, social networks
- 2016**     **Rutgers University**, *School of Arts and Sciences Honors Program*  
Bachelor of Arts in Mathematics; Minors: Spanish, Sociology
- Honors: Cum Laude, Phi Beta Kappa, Cap & Skull, Delta Sigma Pi
  - Awards: Trustee Award (4-year scholarship), SAS Excellence Award 2014, 2015, 2016
  - Thesis: "A Quantitative Look At How The *New York Times* Reports Sexual Assault"
- Committee: Paul McLean, Ph.D., Matthew Stone, Ph.D.

## TEACHING

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### *Indiana University Department of Sociology*

- Instructor Fall 2020  
Workshop in Methods Series  
Social Science Research Commons  
Presenting a 4-part workshop series on Python for social scientists
- Graduate Assistant Fall 2020  
SOC-112: Understanding Social Data  
Instructor: Byungkyu Lee, Ph.D.
- Graduate Assistant Spring 2020  
SOC-112: Understanding Social Data  
Instructor: Andrew Halpern-Manners, Ph.D
- Graduate Assistant Fall 2019  
SOC-112: Understanding Social Data  
Instructor: Byungkyu Lee, Ph.D.
- Testive, Inc.*** Summer 2017 - Summer 2019  
Online SAT/ACT Coach  
One-on-one tutoring  
Curriculum development
- Rutgers University Department of Mathematics***  
Undergraduate Recitation Assistant (Peer Mentor) Spring 2016  
MAT-152: Calculus II  
Course Instructor: Vladimir Scheffer, Ph.D.

Recitation Instructor: Elena Gamova, Ph.D.  
 Undergraduate Assistant (Peer Mentor) Fall 2015  
 MAT-151: Calculus I  
 Course Instructor: Jian Song, Ph.D.  
 Recitation Instructor: Noam Perelman, Ph.D.  
 Undergraduate Assistant (Peer Mentor) Spring 2015  
 MAT-152: Calculus II  
 Course Instructor: Razan Dandan, Ph.D.  
 Recitation Instructor: Guy Reynolds, Ph.D.

## RESEARCH EXPERIENCE

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### *Indiana University*

Research Assistant Fall 2020 - Present  
 Provides technical assistance to a team of 15+ undergraduate and graduate students in a large scale audit study of technical, computer science careers. Uses Python to automate web scraping, job application, and data organization processes.  
 Advisor: Koji Chavez, Ph.D and Katherine Weisshaar, Ph.D

Research Assistant Fall 2019 - July 2020  
 Created an automated web scraper to collect, parse, and organize full text articles (~100,000) related to immigrant collective action from nine local daily newspapers across the United States. Coded in Python and used supercomputing to assemble corpus.  
 Coded 100+ said articles according to codebook.  
 Advisor: Dina Okamoto, Ph.D.

### *Rutgers University*

Interdisciplinary Honors Thesis Fall 2015 - Spring 2016  
 “A Quantitative Look at how the *New York Times* Reports Sexual Assault.”  
 Assembled a corpus of 3,000+ articles from 30 years of reporting using the *New York Times* Article Search API, and implemented natural language processing techniques to determine language patterns associated with cultural changes.  
 Advisor: Paul McLean, Ph.D.

Research Assistant Fall 2013 - Spring 2014  
 Aresty Research Center  
 Gender-based violence in the Balkan Wars.  
 Advisor: Michael Levine, Ph.D.

## PROFESSIONAL EXPERIENCE

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**Denver Bouldering Club** | Denver, CO Summer 2018 - Summer 2019

Route setter, assistant head coach

Worked on an industry-leading route setting team to create a high value training environment for gym members. Coached three levels of a nationally competitive youth team (ages 7-18) to cultivate an environment that empowers them to reach their potential as athletes and people.

**Oak Ridge National Laboratory** | Oak Ridge, TN

Research Intern Summer 2015

DHS-STEM Undergraduate Fellowship

Researched natural language processing applications to cybersecurity by evaluating entity extraction methods and creating new heuristic approaches to be used in a larger machine learning model.

**Bureau of Labor Statistics** | Washington, D.C.

Mathematics-Statistics Trainee Summer 2014

Pathways Internship

Compiled and refined data for release of the 2013 Census of Fatal Occupational Injuries. Meticulously researched case studies to ensure accuracy in the official report. SAS and Excel.

**International Justice Project** | Newark, NJ

Intern Summer 2013

Health and Reparations Project (HARP), Emergency Response Network (ERN)  
Worked with recently resettled refugees from Darfur, Sudan to address their medical, legal, and social needs. Researched and compiled available social resources and programs.

## SERVICE & LEADERSHIP

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**M.U.S.E. Mentorship** Spring 2020 - Current

Mentor

Works one-on-one with aspiring computational social science graduate students from underrepresented backgrounds in order to encourage more diversity in STEM.

**Preparing Future Faculty Planning Committee** Fall 2019 - Spring 2020

Member

**Team USA, USA Climbing** 2016 - 2017

Competitor at inaugural University Worlds 2016

Shanghai, China

--14th Place in Sport Climbing

**Rutgers Rock Climbing Team** 2013 - 2016

Founder and President

Established what would immediately become a nationally ranked 70+ member team. Led executive board by overlooking treasury, budget, recruitment, and coaching.

--1st place recipient of Collegiate Climbing Series Ambassador Scholarship in 2014

--3<sup>rd</sup> Place at 2015 Nationals, 6<sup>th</sup> Place at 2016 Nationals \*\*\*US Team Invite

Rutgers University

**Collegiate Climbing Advisory Committee** 2014 - 2020  
Member  
Provided direction for the growth of competitive collegiate climbing.

**School of Arts and Sciences Honors Program** 2012 - 2016  
Senior Ambassador, Peer Mentor, Tutor  
Served an active part of various multifaceted program offerings, including recruitment, tutoring & peer mentorship to

## **PRESENTATIONS**

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Presenter, Workshop in Methods: Introduction to Python, September 2020  
Roundtable moderator, Preparing Future Faculty Conference, February 2020  
Presenter, Oak Ridge National Laboratory Undergraduate Symposium, August 2015  
Presenter, Aresty Research Symposium, May 2014

## **SKILLS**

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Python, R, Stata, Java, Microsoft Excel  
Data collection and management, statistical collection  
Fluency in English (Native), Russian (Native), Spanish (Professional)