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FORMAL EMPLOYMENT

Adjunct Instructor, January 2017 – May 2017
Department of Professional Security Studies
[New Jersey City University](#)

Visiting Instructor, August 2015 – May 2016
Department of Political Science
[Hobart and William Smith Colleges](#)

Graduate Assistant, August 2014 – May 2015
Harpur College Dean's Office
[Binghamton University \(SUNY\)](#)

Graduate Research and Teaching Assistant, August 2010 – May 2014
Department of Political Science
[Binghamton University \(SUNY\)](#)

EDUCATION

Ph.D., Political Science, August 2016
[Binghamton University \(SUNY\)](#)
Analytical Training: Applied statistics, quantitative research methods, event history modeling, dynamic processes, temporal heterogeneity.

M.A., Political Science, December 2012
[Binghamton University \(SUNY\)](#)

B.A., History and Adolescence Education Social Studies, May 2009
[SUNY Fredonia](#), with Honors

QUANTITATIVE ANALYTICS EXPERIENCE

Adjunct Instructor of Quantitative Research Methods, January 2017 – May 2017.
Department of Professional Security Studies, New Jersey City University

- Instructor of graduate-level applied statistics course that addresses data entry, descriptive statistics, and statistical inference.
- Addressed research design and measurement to focus on issues that arise in the process of collecting and compiling data; this includes data transparency and replicability.
- Students become proficient in bivariate statistical models, including difference of means, tabular analysis, and correlation coefficient. Students were also provided a survey of bivariate and multivariate regression.
- Students incorporated statistical methods into policy-based research papers, as the students are trained for administrative roles in the public and private sector.
- Through teaching this course, I not only have an expertise in commonly used statistical models, but I am also confident in my ability to communicate methodological issues to individuals with varying statistical backgrounds.

Mass Mobilization Database, May 2015 – August 2015.

Department of Political Science, Binghamton University (SUNY)
Research Assistant for [David H. Clark](#).

- Interactive application development for Mass Mobilization data website.
- Used the Shiny web application development extension of the R statistical package to illustrate data trends.
- Utilized the `ggplot2` package's capabilities to analyze and present trends in protest movements for countries across six continents.
- Generated an original website with `OmniUpdate` to illustrate the dataset.

Harpur College Dean's Office, August 2014 – May 2015.

Binghamton University (SUNY)
Research Assistant for Courtney Ignarri.

- Analyzed graduate affairs, admissions, and recruitment to strategically target potential applicants.
- Coded and analyzed faculty development and support surveys, with a primary focus on new faculty.
- Helped coordinate and organize international student meetings to share graduate experiences.
- Created advertisements and visualizations that illustrated the benefits of Accelerated Degree Programs.
- Collaborated with Binghamton University's Graduate School at intra-university tabling events.
- Collected, managed, and analyzed data on graduate student funding sources.
- Analyzed data on salary and employment opportunities for degree programs that fall under Harpur College.

Cingranelli-Richards (CIRI) Human Rights Database, August 2012 – December 2012.

Department of Political Science, Binghamton University (SUNY)
Research Assistant for [David L. Cingranelli](#).

- Coded and conducted inter-coder reliability checks for forced labor and right to fair trial data.
- Accessed U.S. State Department's country description database to code selected countries.
- Conducted weekly coder meetings concerning coding issues and progress.

Natural Disasters Data Collection, January 2012 – May 2012.

Department of Political Science, Binghamton University (SUNY)
Research Assistant for [Seden Akcinaroglu](#).

- Coded cross-national time-series data on natural disaster frequency and intensity.
- Conducted inter-coder reliability checks of previously coded data.
- Produced finalized dataset for supervisor's original research project on state natural disasters.
- Produced detailed codebook describing data, variables, and coding procedure.

Research Project on Temporal Heterogeneity in Conflict Data, August 2010 – May 2011.
Department of Political Science, Binghamton University (SUNY)
Research Assistant for [David H. Clark](#).

- Worked collaboratively on an original research project testing theories of democracy and international war.
- Created original dataset using databases on military capabilities, regime type, and geographic indicators.
- Estimated and analyzed statistical models that assessed temporal heterogeneity in pooled time-series cross-sectional data.
- Developed an expertise with the document compiling program \LaTeX .

**FORMAL
QUANTITATIVE
TRAINING**

Binghamton University: Research Methods and Statistics I and II, Introduction to Formal Political Theory, Maximum Likelihood Estimation, Epistemology and Measurement, Advanced Game Theory.

University of Michigan, Inter-university Consortium for Political and Social Research: Advanced Bayesian Methods, Simultaneous Equation Models.

**SOFTWARE
EXPERTISE**

Statistical: R (expert), ggplot2 (expert), STATA (expert), Pandas (beginner), C++ (beginner).

Data Management: Hyperion (proficient), MS Excel (expert), Python (beginner), PeopleSoft (beginner).

Writing and Presentation: MS Word (expert), \LaTeX (expert), MS Powerpoint (expert), \LaTeX Beamer (expert); YouTube video production (expert).

Website Design: HTML (proficient), OmniUpdate website design (expert).

Application Development: Shiny application development (expert), Google Maps development (proficient), JavaScript (beginner), CSS (beginner).

**PROFESSIONAL
PRESENTATIONS**

War Effort and War Termination: How States Win Their Wars.
University at Buffalo. March 25, 2016.

War, Bargaining, and the Paradox of Power.
Hobart and William Smith Colleges. February 19, 2016.

Building a Professional Website.
Binghamton University (SUNY). April 29, 2015.
Department of Political Science's Graduate Student Professionalization Workshop Series

**PROFESSIONAL
ACTIVITIES AND
TRAINING**

[Dr. Han-Jyun Hou Conference on Political Violence](#), September 2015.

- Co-coordinator for the Binghamton Political Science Department's annual conference.
- Worked to obtain presenters and keynote speaker for the event.
- Managed budget and honorariums for guest speakers.
- Designed advertisements to be distributed throughout the University.

- Maintained an efficient schedule during presentations, including presenter and keynote introductions.

May 2015: OmniUpdate User Training, Binghamton University (SUNY).

- Gathered expertise in using Binghamton University's online website development program.

November 2011: Harpur Workshop (Online Teaching Pedagogy), Binghamton University (SUNY).

- Gathered expertise in conducting online courses through Binghamton University's Blackboard online system.

April 2011: Responsible Conduct of Research Training (Collaborative Research), Binghamton University (SUNY).

- Learned protocol for collaborative research projects involving data, surveys, and other resources.

November 2010: Responsible Conduct of Research Training (Intellectual Property), Binghamton University (SUNY).

- Learned protocol for copyright and other intellectual property right concerns for research projects.

**PH.D.
DISSERTATION**

War Aims and War Termination: How States Prosecute Their Wars

2016. Ph.D. diss. State University of New York at Binghamton.

Synopsis: The dissertation provides a theory of how military capabilities shape conflict behavior during crisis and war, arguing that military capabilities have both informative and materially coercive attributes. Capabilities are informative during crises, as military threats reveal private information, and are informative during war because fighting allows belligerents to overcome the problem of uncertainty about the outcome of the conflict. Military capabilities are materially beneficial during crises, as mobilization procures material advantages that shape states' probability of victory if hostilities escalate to war. Moreover, the material characteristic of capabilities is present during war, and allows states to impose costs on the battlefield by reducing their opponents' capacity to continue fighting. Wars begin and end because the material and informative characteristics of capabilities force states to revise their demands and war aims.

**UNDER PEER
REVIEW**

Assessing the Temporal Stability of the Democratic Peace.

With [David H. Clark](#) and [David Sobek](#).

**WORK IN
PREPARATION
FOR REVIEW**

Audience Costs or Partisan Costs? Experimental Implications of Presidential Party Label in International Crises.

With Scott S. Bodderly.

Awaiting external funding for survey data collection.

Feigning Weakness, Winning Wars.

Presented at *Annual Meetings of the International Studies Association* (2013); *Annual Meetings of the Midwest Political Science Association* (2013); Binghamton University Political Science Department World Politics Workshop (2012).

Signaling Resolve or Feigning Weakness?

Presented at *Annual Meetings of the International Studies Association* (2014); Binghamton University Political Science Department World Politics Workshop (2014).

SELECTED WORK IN PROGRESS

Do Institutions Constrain, Inform, or Both? Authoritarian Institutions and International Conflict, 1950 – 2000.

Presented at *Annual Meetings of the Midwest Political Science Association* (2013); *Annual Meetings of the International Studies Association* (2013); Binghamton University Political Science Department World Politics Workshop (2013).

Fighting or Bargaining: Temporal and Cross-sectional Heterogeneity in Interstate War Termination.

Presented at *Annual Meetings of the Peace Science Society* (2013); *Annual Meetings of the American Political Science Association* (2013); Binghamton University Political Science Department World Politics Workshop (2013).

Fighting over Objects that Influence Future Bargaining and Fighting Power.

Presented at Binghamton University Political Science Department World Politics Workshop (2014).

AWARDS AND SCHOLARSHIPS

August 2010 – May 2015: Graduate Research and Teaching Scholarship and Stipend, Binghamton University (SUNY).

2006 – 2009: (SUNY) Fredonia Dean's List.

May 2009: Excellence in Student Teaching: (SUNY) Fredonia.

May 2008: Phi Alpha Theta: History Honor Society, Member of (SUNY) Fredonia Chapter.

November 2008: Kappa Delta Pi: International Honor Society in Education, Member of Zeta Upsilon Chapter.

May 2009: Baross-Cloithier Scholarship: (SUNY) Fredonia.

REFERENCES

DeWayne Lucas

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Associate Professor of Political Science
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David H. Clark

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Courtney Ignarri

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