

Devyn Escalanti

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EDUCATION

2020-Present **Ph.D. Candidate in Security Studies, UCF.**
Doctoral committee: Jonathan Powell & Jacopo Baggio; Konstantin Ash; External member: Kim Yi Dionne.

2020 **M.A. Political Science, UCF.** Advisor: Jonathan Powell, Ph.D.

2018 B.A. International and Global Studies; Minor in Latin American Studies. UCF.

RESEARCH AREAS

Public health security, epidemiology, comparative politics, political violence, continental Africa, geographic information systems (GIS), survey methodologies, network analysis, (interactive) data visualization, epidemic simulation modeling.

SKILLS

Computational **R**, Python, Stata, ArcGIS, QGIS, Tableau
Language German: Advanced conversational proficiency;
Spanish: Intermediate conversational proficiency;
Portuguese: Elementary conversational proficiency

Quantitative Spatial, time-series, and panel data analysis, applied statistics, data acquisition, preparation, coding, and visualization, mapmaking, survey research design, network analysis, interactive data visualization, epidemic simulation modeling, machine learning

Certifications CITI Social and Behavioral Responsible Conduct of Research (2020)
CITI Human Subjects Research (2020)

EXPERIENCE

2022 - Present **Risk Associate - Bintera, Rockville, MD**
Develop and analyze data to support risk assessments and other decision support products
Research and analyze empirical datasets (e.g., clean and merge data from different data sources and generate complete datasets)
Develop innovative solutions and approaches to solve complex problems
Conduct statistical and econometric analysis and modeling, including generating variables (e.g., spatial, temporal), summary statistics, exact or fuzzy matching or running simulations

2022 - Present **Researcher - Dionne Publicly Engaged Laboratory, Riverside, CA.**
Group-oriented laboratory apprenticeship conducting political science research.
Transcribing audio & video, writing literature reviews, archiving newspaper articles, and miscellaneous data visualizations. Researching health-oriented topics including the vaccine hesitancy/promotion, and disease exposure. Lab led by Kim Yi Dionne, PhD.

2022 - 2022 **Instructor of Record - UCF SPSIA, Orlando, FL.**
Spring 2022: CPO 3101: Comparative Politics

Summer 2022: POS 2041: American National Government

- 2018 - 2021 **Graduate Teaching Assistant - UCF SPSIA, Orlando, FL.**
Assist faculty and instructional staff by performing teaching or teaching-related duties for a variety of undergraduate courses including: Political Ideologies; Global Perspectives; Democracy, Capitalism & the Individual; Scope & Methods (statistics); American Presidency; Florida Politics; American Politics; Minority Politics; Comparative Politics; Public Policy
- 2018 - 2019 **Secure Fisheries Research Intern – One Earth Future Foundation, Broomfield, CO.**
Conduct original research, including data collection, preparation and transformation, on the role of IUU and distant water fishing fleets in the Indian Ocean.
Conduct original research (time series & panel data) analysis on fisheries crime, specifically with respect to transnational crime in the Indian Ocean.
Conduct content analysis and assist with advanced statistics, statistical modeling, descriptive and inferential modeling for fisheries conflicts in the Horn of Africa.
- 2017 - 2018 **Undergraduate Research Assistant - SPSIA, Orlando, FL.**
Supervised by Jonathan Powell Ph.D. Research historic and contemporary roles of the military in mutinies and military coups in Africa. Assist faculty in data entry, analysis, and database development (African mutinies, 1950 -2017).
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PUBLIC ENGAGEMENT PUBLICATIONS

- 2019 The Conversation: Rivalries ahead of Guinea-Bissau's election raise questions about stability.
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PROFESSIONAL DEVELOPMENT

- 2022 PIC Math Interdisciplinary Data Science Workshop: Machine Learning. Provo, Utah. June 21-24.
2022 Conference Board of the Mathematical Sciences: Interface of Mathematical Biology and Linear Algebra. Group Project with Daozhou Gao and Guihong Fan: Impact of Human Movement on Disease Persistence. Orlando, FL. May 23-27.
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CONFERENCE & COLLOQUIA PRESENTATIONS

- 2022 Introduction to data preprocessing in Python. PIC Math Interdisciplinary Data Science Workshop. Provo, Utah. June. Brigham Young University.
2022 Impact of Human Movement on Disease Persistence. Conference Board of the Mathematical Sciences: Interface of Mathematical Biology and Linear Algebra. May. UCF.
2022 Invited Panelist: Fragile and Failed States: Should the US care? with Rob Jenkins, Assistant to the Administrator for the Bureau for Conflict Prevention and Stabilization. Office of Global Perspectives and International Initiatives. March. UCF.
2022 Infectious violence: Spatial analysis of violence and HIV. Southern Political Science Association. January. San Antonio, TX.
2022 SPISA Colloquium: Spatial Analysis of HIV and Conflict in Africa. Discussant Kim Yi Dionne. March. UCF.
2021 SPISA Colloquium. Infectious Violence: Disease and Disorder in the DRC. (x2) March & November. UCF.
2021 Infectious violence: disease and disorder in the DRC. Florida Political Science Association. Virtual. Tampa, FL.
2019 Executive Psychology of Time Horizons and Dysentery Prevention. Florida Political Science Association. Tampa, FL.

2019 How International Is International Studies? An Assessment of Leadership of the Discipline's Top Journals. Florida Political Science Association. Tampa, FL.

SERVICES

Member American Political Science Association
Southern Political Science Association

AWARDS AND FELLOWSHIPS

2021 Prestage-Cook Travel Award, 2022 Southern Political Science Association (\$300)
2021 UCF College of Graduate Studies Presentation Fellowship (\$500)
2021 American Political Science Association Spring Diversity Fellowship (\$2,000)
2021 SPSIA Graduate Outstanding Master's Thesis Award – (\$250)
2018 Office of Undergraduate Research Student Research Grant

REFERENCES

1. Jonathan Powell PhD; Assistant professor; UCF; jonathan.powell@ucf.edu
2. Jacopo Baggio PhD; Assistant professor; UCF; jacopo.baggio@ucf.edu
3. Sarah Glaser PhD; Director Secure Fisheries; One Earth Future; sglaser@oneearthfuture.org
4. Clayton Besaw PhD; Data Scientist II; American Equity; claybesaw@gmail.com