



Ryden Winfield Butler

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Education	Ph.D., Political Science	2021
	Washington University in St. Louis, St. Louis, MO Fields: Quantitative Political Methodology, American Politics	
	M.A., Statistics	2021
	Washington University in St. Louis, St. Louis, MO	
	M.A., Political Science	2017
	Washington University in St. Louis, St. Louis, MO	
	B.A (<i>magna cum laude</i>)	2015
	University of Miami, Coral Gables, FL Triple major: Economics, History, Political Science (<i>with honors</i>) <i>Phi Beta Kappa</i>	

Research Experience	PhD Researcher	Jun. 2017 - May 2021
	<i>Department of Political Science, Washington University in St. Louis</i>	
	• Data collection & management:	
	- <i>Scraped web and social media data</i>	
	- <i>Processed data using an online workforce and developed associated R software</i>	
	- <i>Managed researchers in labeling data and developed associated R software</i>	
	- <i>Developed and fielded survey experiments on Facebook and Mechanical Turk</i>	
	- <i>Built and maintained SQL database for the WashU Political Data Science Lab</i>	
	• Analysis & inference:	
	- <i>Ordinary Least Squares, Linear Probability Models, and Bayesian Statistics</i>	
	- <i>Hierarchical, Fixed, Random, and Mixed Effects Models</i>	
	- <i>Longitudinal and Time Series Models (i.e. ARIMA and hazard/survival models)</i>	
	- <i>Observational Causal Inference:</i>	
	· <i>Difference-in-Difference</i>	
	· <i>Two-way Fixed Effects</i>	
	· <i>Vector Autoregression</i>	
	· <i>Generalized Synthetic Control</i>	
	- <i>Gaussian Process Regression</i>	
	- <i>Computerized Adaptive Testing and Active Learning</i>	
	• Writing & presentation:	
	- <i>Drafted manuscripts for review and publication</i>	
	- <i>Created figures, tables, and diagrams to visualize research methods and results</i>	
	- <i>Collaborated with co-authors to synthesize complex projects into coherent papers</i>	
	- <i>Consolidated research for slideshow and poster presentations</i>	
	- <i>Verbally presented research at workshops and conferences</i>	

Software Experience	<u>Expert</u>	<u>Proficient</u>	<u>Competent</u>
	R	C++	HTML5
	Python	STAN	CSS
	L ^A T _E X	JAGS	Stata
	SQL	Git	Matlab
	Excel	Cluster Computing	MPlus

Leadership
Experience

Instructor (Introduction to Python Programming) Jul. - Sep. 2019

Department of Political Science, Washington University in St. Louis

- Taught intensive Python programming course on topics including:
 - web scraping, relational databases, and text analysis
- Designed interactive course material in **Jupyter Notebook**
- Led problem-solving labs and individual instruction sessions
- Supervised Teaching Assistant in creating and evaluating problem sets
- Advised students on final projects utilizing their acquired skills

Teaching Assistant Aug. 2016 - May 2019

Department of Political Science, Washington University in St. Louis

- Assisted in instructing 3 graduate applied statistics courses:
 - *Mathematical Modeling*
 - *Quantitative Political Methodology I*
 - *Quantitative Political Methodology II*
- Assisted in instructing 4 undergraduate social science courses:
 - *Public Opinion and American Democracy*
 - *Law, Politics, and Society*
 - *Intolerance in World Politics*
 - *American Constitutional Development*
- Led student teaching workshops and individual instruction
- Created and evaluated course materials, including homework, exams, and guides
- Managed course websites

Assistant Security Manager - Scheduling May 2014 - Jul. 2015

Housing & Residential Life: Security, University of Miami

- Managed schedule of 75+ staff members through **WhenIWork** software
- Collaborated with upper-management in hiring and promoting staff
- Planned staff training events, team-building activities, and monthly meetings
- Develop training manual and oversaw training seminars for incoming staff
- Assisted in Title IX training and compliance among staff
- Controlled budget exceeding \$50,000 for non-payroll expenses
- Worked with external vendors and university administrators to purchase supplies
- Served as nightly on-call staff for scheduling issues and general emergencies

Security Supervisor Dec. 2013 - May 2014

Housing & Residential Life: Security, University of Miami

- Supervised 12-15 student employees per shift
- Performed routine safety checks within/around residential areas
- Reviewed and approved documentation submitted by student employees
- Drafted employee feedback/disciplinary documentation for subordinates
- Maintained confidential student and faculty information
- Conducted individual and group interviews for entry-level hires
- Advised upper management on promotion/advancement of staff
- Developed and executed training seminars for 75+ staff members

Security Assistant Jan. 2013 - Dec. 2013

Housing & Residential Life: Security, University of Miami

- Worked individually and as a team to secure residential facilities against intruders
- Served as first-responder to emergencies within residential facilities
- Enforced university policies and submitted corresponding documentation
- Assisted university administrators and police during crises

Industry Experience	<p>Junior Contractor - Election Night Support Oct. - Nov. 2018</p> <p><i>YouGov Data Science</i></p> <ul style="list-style-type: none"> • Provided on-call troubleshooting for election night web scrapers • Collaborated with a team to ensure data quality and triage code exceptions • Pushed R code hotfixes via GitHub
Academic Writing	<p>“Responsiveness on Social Media: Do Elected Officials or the Virtual Public Lead the Discussion?” <i>Working paper</i>.</p> <p>“Campaign Dynamics, Primary Elections, and Extremism: Do U.S. Congressional Candidates Moderate Their Message After Winning a Primary?” <i>Working Paper</i>.</p> <p>“Active Learning with Gaussian Process Regression for Efficient Human Coding of Political Texts.” <i>Working paper</i>. (with R. Garnett and J. Montgomery)</p> <p>“Estimating Unbiased Treatment Effects Under Non-Random Attrition.” <i>Working paper</i>. (with L. Keele, D. Miller, and J. Montgomery)</p> <p>2018. “Revisiting White Backlash: Does Race Affect Death Penalty Opinion?” <i>Research & Politics</i>, 5(1). (with B. Nyhan, J. Montgomery, and M. Torres)</p> <p>2013. “The Epistemology of Fact Checking.” <i>Critical Review</i>, 25(2): 162-180. (with J. Uscinski)</p>
Honors	<p>Washington University in St. Louis</p> <ul style="list-style-type: none"> - <i>University Fellowship</i> <i>Fall 2015 - Spring 2021</i> - <i>Summer Funding Award</i> <i>Summer 2015, 2016, 2017, 2018</i> <p>Intercollegiate Debate</p> <ul style="list-style-type: none"> - <i>Finalist, Pan-American Universities Debate Championship</i> <i>2015</i> - <i>Champion, DSR-TKA National Parliamentary Debate Championship</i> <i>2013</i> - <i>Inductee, DSR-TKA</i> <i>2013</i> <p>University of Miami</p> <ul style="list-style-type: none"> - <i>Outstanding Senior in History</i> <i>2015</i> - <i>Student Employee of the Year</i> <i>2015</i> - <i>University Scholarship</i> <i>Fall 2011 - Spring 2015</i> - <i>William L. Boyd, IV, E.A.S.E Scholarship</i> <i>Fall 2011 - Spring 2015</i> - <i>Florida Academic Scholars Scholarship</i> <i>Fall 2011 - Spring 2015</i> - <i>Coral Grant</i> <i>Fall 2011 - Spring 2015</i> - <i>Florida Student Assistance Grant</i> <i>Fall 2011 - Spring 2015</i> - <i>Federal Pell Grant</i> <i>Fall 2011 - Spring 2014</i> - <i>2nd in Social Sciences, Research, Creativity, and Innovation Forum</i> <i>2014</i> - <i>Inductee, Phi Beta Kappa</i> <i>2014</i> <p>Oviedo High School</p> <ul style="list-style-type: none"> - <i>Class Valedictorian</i> <i>2011</i> - <i>Most Distinguished Student Award</i> <i>2011</i> - <i>Science Department Honors</i> <i>2011</i> - <i>National AP Scholar</i> <i>2011</i> - <i>AP Scholar with Distinction</i> <i>2009 -2011</i> - <i>Principal’s Honor Roll</i> <i>Fall 2007 - Spring 2011</i> - <i>Perfect score on Florida Comprehensive Assessment Test</i> <i>2008, 2009</i> - <i>President’s Education Award</i> <i>2007</i>

Service

Political Data Science Lab, Washington University in St. Louis

Member

Aug. 2015 - May 2021

- Provided feedback in research workshops
- Trained students and assisted in lab-wide initiatives

Lab Coordinator

May 2017 - May 2018

- Scheduled and communicate lab meetings and events
- Built relational database for lab-sponsored BUILD conference (hack-a-thon)
- Trained others to access and manipulate data contained in MySQL database

Liberman Graduate Center, Washington University in St. Louis

Peer Mentoring Coordinator - Political Science

May 2018 - May 2020

- Matched experienced students with incoming students
- Planned and funded mentor-mentee social activities
- Forecasted, requested, and maintained budget for peer mentoring activities
- Kept current on best-practices for student mental health and academic success

Intercollegiate Debate Team, University of Miami

President

Oct. 2012 - May 2015

- Maintained standing with Committee on Student Organizations
- Organized and hosted intercollegiate debates at the University of Miami
- Worked with Director of Debate and coaches on budgeting
- Engaged in student recruitment

Fairchild Challenge Student Congress, Fairchild Tropical Botanic Garden

Parliamentarian

Feb. 2013, 2014, 2015

- Moderated annual forensics competition for South Florida high school students
- Instructed first-time competitors and those with non-traditional experience
- Aided in selecting competition winners, in collaboration with policy experts

Stanford College Council, University of Miami

Public Relations & Marketing Director

Sep. 2011 - May 2012

- Planned and executed social events for student residents
- Liaised between residents, student staff, and school administrators
- Advertised and promoted sponsored events in-person, via bulletins, and online

Oviedo High School

Peer Tutor

Oct. 2010 - May 2011

- Tutored students in mathematics, history, and social science courses
- Provided specific Advanced Placement test prep services

Senior Advisor, Principal's Advisory Council

Sep. 2009 - May 2011

- Acted as liaison between students and administrators regarding student issues
- Organized fundraisers, dances, and socials

Central Florida YMCA, Oviedo, FL

Part-time Volunteer

Oct. 2010 - May 2011

- Spent 80+ hours assisting in facility maintenance and customer service