

Bryan Blette

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Education

Ph.D. in Biostatistics

University of North Carolina- Chapel Hill, Chapel Hill, NC

Passed qualifying exams: August 2017

Dissertation advisor: Dr. Michael Hudgens

Expected graduation: August 2020

August

2015-

present

M.S. in Biostatistics

University of North Carolina- Chapel Hill, Chapel Hill, NC

Master's Paper advisor: Dr. Leah Frerichs

Title: Changes in School District Physical Activity and Nutrition Policies: A Latent Class Analysis of the School Health Policies and Practices Study

August

2015-May

2018

B.S. in Mathematics and Statistics

University of Florida, Gainesville, FL

Cumulative GPA: 3.94/4.00 Cum Laude

August

2012-

May 2015

Study Abroad

Florence University of the Arts, Florence, Italy

GPA: 4.00/4.00

May 2014

-June 2014

Publications

Becker-Dreps, S., **Blette, B.**, Briceño, R., Alemán, J., Hudgens, M.G., Moreno, G., Ordoñez, A., Rocha, J., Weber, D.J. and Amaya, E., 2017. Changes in the incidence of pneumonia, bacterial meningitis, and infant mortality 5 years following introduction of the 13-valent pneumococcal conjugate vaccine in a "3+0" schedule. *PloS one*, 12(8), p.e0183348.

Gilbert, P., **Blette, B.**, Shepherd, B., Hudgens, M., Post-randomization biomarker effect modification in an HIV vaccine clinical trial (accepted, in revision, Journal of the American Statistical Association)

Blette, B., Frerichs, L., Green-Howard, A., Changes in school district physical activity and nutrition policy environments: A latent class analysis of the School Health Policy and Practices Study (in prep)

Collins, M., Zepeda, O., **Blette, B.**, Jadi, R., Perez, R., Liou, G., Montuya-Cruz, M., Harris, E., Becker-Dreps, S., de Silva, A., Bucardo, F., Stringer, E., Surveillance using serology to monitor maternal Zika infection and adverse fetal outcomes (in prep)

Presentations

Blette, B. 2018. Modeling Considerations in Data-Driven Attribution. Google Internship Presentation

Blette, B. 2015. Data Analysis Challenges in the Space Life Sciences. Space Life Sciences Summer Institute Research Conference

Research Experience

Research Assistant , Department of Biostatistics, UNC-Chapel Hill Advisor: Dr. Michael Hudgens Collaborates on methodological statistics research, primarily involving evaluation of surrogate biomarkers and development of methods for studying HIV/AIDS	<i>August 2015-present</i>
Research Assistant , Department of Family Medicine, UNC-Chapel Hill Advisor: Dr. Sylvia Becker-Dreps Collaborates and consults on several international projects studying infectious diseases, including Zika virus, pneumococcal disease, and sapovirus	<i>April 2016-present</i>
Quantitative Analyst Intern , Google Hosts: Amy Richardson & Yang Jiao Worked as a research intern on data driven attribution for the Ads team, collaborating with data scientists and software engineers to extend a modeling framework in order to improve attribution output	<i>June 2018-September 2018</i>
Research Apprentice , National Space Biomedical Research Institute Advisor: Dr. Alan Feiveson Worked on many research projects for internal use, including but not limited to developing models to determine maximal terminal velocity for spacecraft while preventing injury risk for astronauts and designing simulations to determine feasibility of maintaining healthy nutrition for astronauts on long-term space missions to Mars given the prevailing space food advancements at that time	<i>May 2015-August 2015</i>

Teaching Experience

Teaching Assistant , Intro to Biostatistics, BIOS 600, UNC-Chapel Hill • Assisted professor in writing exams and quizzes, created formats for students to take quizzes online, graded exams, hosted review sessions for exams, and assisted students one-on-one throughout the semester	<i>August 2017-December 2017</i>
Teaching Assistant , Intro to Statistics, STA 2023, University of Florida • Managed the tutoring room for several hours each week, proctored exams, graded papers and exams, and taught multiple lab classes each week • Scored well above the school, department, and class averages in teacher evaluations at the end of the semester in each of 10 evaluation criteria, as reported by students	<i>January 2015-May 2015</i>

Honors and Awards

- National Defense Science and Engineering Graduate Fellowship- Alternate Selection
- UW SISIMID Travel Scholarship
- Elected to Phi Beta Kappa Society
- Elected to Phi Kappa Phi
- Elected to Golden Key International Honour Society
- Anderson Scholar (one of the top students in Liberal Arts and Sciences)
- President's Honor Roll (4.00 GPA) – four out of six undergraduate semesters
- Dean's List (3.75 GPA) – achieved every semester
- Placed top five in the nation in Statistical Analysis at PBL (Business Leadership) national conference, stemming from hundreds of competitors at the state level
- National Merit Scholar
- UF Presidential Scholar

Leadership Experience

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| Webmaster, Biostatistics Student Association, UNC - Chapel Hill | <i>April</i> |
| • Design new pages on the organization's website | <i>2018-</i> |
| • Update the website and Facebook page with new events and opportunities | <i>present</i> |
| President, Phi Beta Lambda, Business Leadership Organization, University of Florida | <i>April</i> |
| • Redesigned competition strategies and achieved most awards per student in the state as well as most in recorded chapter history | <i>2014-</i> |
| • Conducted meetings and presided over events and conferences | <i>April</i> |
| • Managed a team of 10 in charge of recruiting new members, organizing guest speakers, and planning socials and community service events | <i>2015</i> |
| • Previously acted as Vice President (September 2013 – April 2014) | |
| Webmaster, University Math Society, University of Florida | <i>April</i> |
| • Designed new pages on the organization's website | <i>2014-</i> |
| • Updated the website and Facebook page with upcoming events | <i>April</i> |
| • Managed the organization's listserv and facilitated communication with members | <i>2015</i> |

Service

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| Organizer, MMATHS | <i>March</i> |
| • Coordinated the first and second annual MMATHS (Math Majors of America Tournament for High Schoolers) with other math majors | <i>2013-</i> |
| • Served as proctor and head proctor during individual testing | <i>April</i> |
| Tutor, various capacities | <i>2015</i> |
| • Tutored undergraduate and graduate students in several areas and rigor levels of mathematics and statistics | <i>Intermittent and ongoing</i> |
| • Tutored students at a wide range of universities, including University of Florida, UNC-Chapel Hill, Duke University, and Rice University | |

Computer Skills

- Programming languages and statistical packages**
- Proficient (used frequently): R, SAS
 - Used in past (proficient with review): Python, MatLab, Java, Stata