

KYLE C. BURRIS

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EDUCATION

Ph.D. Statistical Science, *Duke University* Expected 2019
Advisor: Jerome P. Reiter

B.S. Mathematics, B.A. Economics, *Wheaton College (IL)* 2015
Summa Cum Laude
Academic GPA: 3.97/4.0

RESEARCH EXPERIENCE

Sports Analytics Research Assistant January 2017 - Present
Department of Psychiatry and Behavioral Sciences, Duke University *Durham, NC*

- Explored the relationship between sensorimotor metrics and on-field performance in MLB baseball
- Created an innovative Bayesian hierarchical model to compare minor league players across leagues

NSF Grant Statistics Research Assistant June 2016 - Present
Triangle Census Research Network, Duke University *Durham, NC*

- Extended the Bayesian error localization mechanism introduced in a 2015 JASA paper
- Coded a C++ implementation of the algorithm and developed an informative measurement error model

Statistics Research Assistant January 2016 - September 2016
Duke University Law School *Durham, NC*

- Developed network visualization algorithms designed to compare and cluster governmental institutions
- Engineered a mixed-effects approach to analyze the political bias of appellate court case treatments
- Conducted sentiment analysis on court opinions through advanced text-mining methodology

TEACHING EXPERIENCE

Teaching Assistant August 2015 - Present
Duke University *Durham, NC*

- Collaborated with four statistics professors to develop the Statistics with R Specialization of Coursera
- Provided support and learning objectives to the nearly 90,000 people enrolled in the MOOC
- Led weekly lab sections designed to help students develop statistical computing skills for STA 102.
- Assisted students in gaining statistical intuition during weekly office hours and evaluated their work

TECHNICAL STRENGTHS

Working Knowledge	MATLAB, SAS, Stata, Java, Python, UNIX/LINUX, VBA, C++
Advanced Knowledge	R, LaTeX, JAGS/BUGS/WINBUGS, MS Office

AWARDS/ACCOMPLISHMENTS

First Place, Analytics Division, <i>TruMedia Baseball Hackathon</i>	2017
Statistical Science Fellowship, <i>Duke University</i>	2015
Angeline J. Brandt Award for Excellence in Mathematics, <i>Wheaton College</i>	2015
Wheaton College Scholastic Honor Society Inductee, <i>Wheaton College</i>	2015