

Lindsay R. Berry

CONTACT INFORMATION	Department of Statistical Science Duke University Box 90251 Durham, NC 27708	<i>E-mail:</i> lindsay.berry@duke.edu <i>Phone:</i> (979) 450-1561 <i>Website:</i> lindsayberry.github.io
EDUCATION	Duke University , Durham, NC Ph.D Student, Statistics Advisor: Mike West Relevant Coursework: Linear Models, Probability & Measure Theory, Bayesian & Modern Statistics, Statistical Inference, Statistics Case Studies, Probability & Statistical Models, Advanced Statistical Computing, Time Series & Forecasting, Multivariate Statistical Analysis, Categorical Data Analysis	2015-2019 (Expected)
	University of Texas , Austin, TX B.S., Mathematics Graduated with Honors in the Dean's Scholars Honors Program Thesis Advisor: Peter Mueller	2011-2015
RESEARCH EXPERIENCE	Research Assistant 84.51° PI: Natalia Connolly Advisor: Mike West Project: Demand forecasting for low volume daily counts.	September 2016 - Present
	Undergraduate Honors Thesis University of Texas , Department of Mathematics Advisor: Peter Mueller Project: Developed a simulation based method of analyzing seamless phase II/III clinical trials, and compared the results to traditional combination test procedures. Power analyses revealed that implementation of the simulation method would result in larger phase II trials than currently run.	August 2014 - May 2015
	Research Experience for Undergraduates University of Minnesota , Institute for Mathematics and its Applications Advisors: Andrew Beveridge, Ph.D. and Jane Butterfield, Ph.D. Project: Developed algorithms for pursuit-evasion games in polygons. Our strategy, the rook strategy, allows a pursuer to capture a single evader in a monotone environment. We prove that this strategy is more efficient than an existing algorithm.	May 2013 - August 2013
WORK EXPERIENCE	Intern Berry Consultants	May 2014 - August 2014; May 2015 - August 2015
SUBMITTED PAPERS	BERRY, L., BEVERIDGE, A., BUTTERFIELD, J., ISLER, V., KELLER, Z., SHINE, A., WANG, J. "Line-of-sight pursuit in strictly sweepable polygons" arXiv:1508.07603	

PAPERS IN PREPARATION	BERRY, L., WEST, M. “Bayesian modeling and forecasting of high-dimensional count-valued time series.”	
PRESENTATIONS	Invited Talks	
	84.51 Deep Dive Session (Cincinnati, OH) <i>Bayesian forecasting of high dimensional time series of counts</i>	August 8, 2017
	ISBIS 2017 (Yorktown Heights, NY) <i>Simulation control of seamless phase II/III clinical trials</i>	June 8, 2017
	Poster Presentations	
	Joint Mathematics Meetings (Baltimore, MD) <i>Line-of-sight pursuit in monotone polygons</i>	January 17, 2014
	Contributed Talks	
	Young Mathematicians Conference (Columbus, OH) <i>Line-of-sight pursuit in monotone polygons</i>	August 9, 2013
TEACHING EXPERIENCE	Duke University , Durham, North Carolina	
	Teaching Assistant	<i>Spring 2016</i>
	Course: Data Analysis and Statistical Inference Led lab sections for 20-30 students	