Lindsay R. Berry

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EDUCATION **Duke University**, Durham, North Carolina, USA

Ph.D Student, Statistics, (Expected graduation date: May 2019)

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

University of Texas, Austin, TX, USA

B.S., Mathematics, May 2015

Graduated with Honors in the Dean's Scholars Honors Program

Thesis Advisor: Peter Mueller

RESEARCH Research Assistant

September 2016 - Present

EXPERIENCE 84.51°

PI: Natalia Connolly Advisor: Mike West

Project: Demand forecasting for low volume daily counts.

Undergraduate Honors Thesis

August 2014 - May 2015

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.

Research Experience for Undergraduates

May 2013 - August 2013

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.

WORK Intern May 2014 - August 2014; May 2015 - August 2015

EXPERIENCE Berry Consultants

Submitted Berry, L., Beveridge, A., Butterfield, J., Isler, V., Keller, Z., Shine, A., Papers Wang, J. "Line-of-sight pursuit in strictly sweepable polygons" arXiv:1508.07603

Presentations Invited Talks

84.51 Deep Dive Session (Cincinnati, OH)

August 8, 2017

Bayesian forecasting of high dimensional time series of counts

ISBIS 2017 (Yorktown Heights, NY)

June 8, 2017

Simulation control of seamless phase II/III clinical trials

Poster Presentations

Joint Mathematics Meetings (Baltimore, MD)

Line-of-sight pursuit in monotone polygons

January 17, 2014

Contributed Talks

Young Mathematicians Conference (Columbus, OH) August 9, 2013 Line-of-sight pursuit in monotone polygons

TEACHING EXPERIENCE Duke University, Durham, North Carolina

Teaching Assistant Spring 2016

Course: Data Analysis and Statistical Inference Led lab sections for 20-30 students

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