Lamar Hunt

Personal Data

Place and Date of Birth:	United States | 20 March 1988
Address:	615 N. Wolfe St., Department of Biotatistics, Baltimore, MD, USA
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Education

2015 - present | **Johns Hopkins Bloomberg School of Public Health**
PhD candidate, Biostatistics (3.5 GPA)
Adviser: Daniel Scharfstein

2013 - 2015 | **University of Kansas Medical Center**
MS, Biostatistics (4.0 GPA)
Adviser: Matthew Mayo

Summer 2013 | **Sogang University**, Seoul
Korean Immersion Program

2012 - 2013 | **University of Kansas**
MA student in Linguistics (transferred without completing degree)
Adviser: Robert Fiorentino

2006 - 2012 | **University of Kansas**
BA, Mathematics; BA, Linguistics; BA, Philosophy (4.0 GPA)
Honors Thesis: *N400 is elicited by pragmatic as well as semantic anomalies: a visual-world study of scalar implicature*

Skills

Advanced Technical:	R (7 years exp.)
Intermediate Technical:	SAS (2 years exp.), Python (1 year exp.), Git (4 years exp.), SQL (2 years exp.), Bash (1 year exp.)
Advanced Methods:	Causal Inference, Survival Analysis, Missing Data
Intermediate Methods:	Machine Learning
Spoken Languages:	English (native speaker), Korean (proficient)

Work Experience

2019 (Summer) | Novartis, Statistical Methods and Consulting Dept.
Paid Internship
Supervisors: Paul Gallo, Dong Xi
Developed causal methodology to address exploratory questions in a clinical trial. Also performed simulation studies comparing power of different survival analysis methods in contexts where the proportional hazards assumption is violated.

Research Experience

2019 - present | National Heart, Lung and Blood Institutes Pharmacoepidemiology Training Grant (T32)
Preceptor: Jodi Segal
Designed causal survival models to address confounding and competing risks in clinical trial data. Manuscript in progress.

2019 - present | Statistical Inference in the Presence of Non-monotone Missing Data
PI: Daniel Scharfstein, Biostatistics
Developed and applied a method using graphical models to draw inferences in longitudinal clinical trials when the primary outcome is intermittently missing. Manuscript in progress.

2016 - 2019 | Brand vs. Generic Project, FDA Grant
PI: Ravi Varadhan, Biostatistics
Designed causal survival models and performed analysis comparing generic vs. brand name drugs using insurance claims data. Manuscript submitted for publication.

2015 | Masters Research Project, KUMC
PI: Zachary Collins, Radiology
Faculty Adviser: Jo Wick, Biostatistics
Performed data cleaning, exploration and visualization on retrospective longitudinal tumor scan data in R. Computed tumor response to radioembolization to compare glass vs resin radioembolization. Presented results weekly to non-statisticians.

2013 - 2015 | Research Assistant, KUMC
Analyzed longitudinal cluster randomized clinical trial data using SAS with Matthew Mayo.
Questionnaire data visualization in R with Matthew Mayo.
Tree analysis in R and Enterprise Miner with Wendy He.
Created R package to compute power for clinical trials where sample size is random with Jonathon Mahnken.

2008 - 2013 | Research Assistant, KU
PI: Robert Fiorentino, Linguistics
Neurolinguistics and Language Processing Laboratory
Designed, constructed, implemented, analyzed and reported electroencephalography and behavioral experiments for publication.

2010 - 2012 | Research Assistant, KU
PI: Utako Minai Linguistics
Developmental Psycholinguistics Laboratory
Aided in the design, construction and implementation of eye-tracking and behavioral experiments.

Publications

2020 | **Hunt III L**, Murimi I, Scharfstein D, Segal J, Seamans M, Varadhan R. (2020). Brand vs. Generic: Addressing Non-Adherence, Secular Trends, and Non-Overlap. Accepted pending minor revisions. *Journal of the Royal Statistical Society-Series A.*

2013 **Hunt III L**, Politzer-Ahles S, Gibson L, Minai U, Fiorentino R. (2013). Pragmatic inferences modulate N400 during sentence comprehension: evidence from picture-sentence verification. *Neuroscience Letters*, 534, 246-51.

Posters and Presentations

2019 **Hunt III L**, Murimi I, Segal J, Mojtabai R, Scharfstein D, Varadhan R. (March 2019). Brand Vs. Generic: Addressing Non-Adherance, Secular Trends, and Non-Overlap. 2019 Eastern North American Region Spring Meeting.

2018 **Hunt III L**, Murimi I, Segal J, Mojtabai R, Scharfstein D, Varadhan R. (May 2018). Assessing Therapeutic Equivalence of Brand and Generic Drugs Using Observational Data. 2018 Atlantic Causal Inference Conference poster.

Hunt III L, Murimi I, Scharfstein D, Mojtabai R, Varadhan R, Segal J. (July 2018). Assessing Therapeutic Equivalence of Brand and Generic Drugs Using Observational Data. 2018 Joint Statistical Meetings speed session and poster.

Hunt III L, Murimi I, Scharfstein D, Mojtabai R, Segal J, Varadhan R. (August 2018). Overcoming Temporal Confounding in the Assessment of Therapeutic Equivalence of Brand and Generic Drugs. 2018 International Conference on Pharmacoepidemiology poster.

2015 **Hunt III L**, Ambrosius W, Mahnken J. (Spring 2015). An R package that computes power for studies where the group sizes and proportions are random: a Bayesian approach. (Title not official). KUMC Biostatistics Seminar Series.

Collins Z, Morgan R, James T, **Hunt III L**, Hunt S, Wick J, Smith M, Robinson A, Schroeppel-DeBacker S, Rohr A, Werth K, Brown T, Hill J. (May 2015). Survival Differences in Glass versus Resin Radioembolization of Hepatic Malignancies. WCIO 2015 Annual Meeting.

2011 **Hunt III L**, Politzer-Ahles S, Minai U, Fiorention R. (April 2011). An ERP Study of the Time-Course of Scalar Implicature Computation. Undergraduate Research Symposium, University of Kansas.

Hunt III L, Politzer-Ahles S, Minai U, Fiorentino R. (November 2011). N400 is elicited by pragmatic as well as semantic anomalies: a visual-world study of scalar implicatures. Poster presented at Society for the Neurobiology of Language, Annapolis, MD.

Hunt III L, Politzer-Ahles S, Minai U, Fiorentino R. (November 2011). Investigating pragmatic and semantic meaning computation using EEG. Talk given for Proseminar on Child Language, University of Kansas.

Teaching Experience

2016 - present | Teaching Assistant, Johns Hopkins
Longitudinal Data Analysis
Causal Inference in Medicine and Public Health I
Methods in Biostatistics III & IV (lead TA)
Statistical Methods in Public Health III & IV
Introduction to Statistical Reasoning in Public Health I & II

2014 - 2015 | Tutor Lab, KUMC
Department of Biostatistics Student Tutoring Lab, Jo Wick
Tutored students during set hours on any topic relating to biostatistics.

2015 | Teaching Assistant, KUMC
Principles of Statistics in Public Health, Shana Palla
Graded homework and held office hours.

2014 | Biostatistics Bootcamp Teacher, KUMC
Helped organize and present a series of crash course lectures on statistics for incoming graduate students in biostatistics. Presented lectures on Linear Algebra and Probability Theory.

2013 | Teaching Assistant, KU
Introduction to Phonology, Jie Zhang
Taught multiple discussion sections each week and graded.

2012 | Teaching Assistant, KU
Introduction to Syntax, Jason Kandybowicz
Taught multiple discussion sections each week and graded.

2008 - 2012 | Teaching Assistant, KU
Introduction to Symbolic Logic, Zamir Bavel
Graded homework and held office hours.

Scholarships and Awards

2019 The Jane & Steve Dykacz Award ($1,000)
2018 The Louis I. and Thomas D. Dublin Award ($1,500)
International Society of Pharmacoepidemiology Scholarship Award ($724)
2014 Mu Sigma Rho Honorary Society, Kansas-Western Missouri Chapter, KUMC
2013 Sogang Korean Immersion Program Tuition Scholarship
2010 Undergraduate Research Award, KU ($1,742)
Warner Morse Prize for Metaphysics and Epistemology, Dept. of Philosophy, KU ($200)
2009 Phi Beta Kappa Society, KU
Brownstein-Skidmore Prize, Dept. of Philosophy, KU ($1,500)
2008 Harley S. Nelson Scholarship. Dept. of Linguistics, KU ($1,200)
2007 Korean Dictionary Award, Dept. of East Asian Languages and Cultures, KU

Relevant Coursework

In addition to the PhD Biostatistics coursework, which includes classes on statistical theory, methods, measure-theoretic probability, and data science, I have take the following relevant courses:

EN.601.477(01)	Causal Inference
PH.140.644(01)	Statistical Machine Learning: Methods, Theory, and Applications
PH.140.665(01)	Causal Inference in Medicine and Public Health II
EN.600.678(01)	Advanced Topics in Causal Inference
PH.140.762(01)	Bayesian Methods I
PH.140.741(01)	Advanced Survival Analysis
PH.140.641(01)	Survival Analysis