

Lee McDaniel

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EDUCATION	University of Wisconsin - Madison , Madison, WI <ul style="list-style-type: none">• Ph.D. Statistics, 2014, Advisor: Richard Chappell• Dissertation: Additive Hazards in Non-Inferiority Trials College of William and Mary , Williamsburg, VA <ul style="list-style-type: none">• M.S. Operations Research, 2008 Rose-Hulman Institute of Technology , Terre Haute, IN <ul style="list-style-type: none">• B.S. Mathematics and Economics, 2006
EMPLOYMENT	Louisiana State University Assistant Professor, School of Public Health, Biostatistics Sep. 2014 - Present University of Wisconsin-Madison Research Assistant, Department of Statistics Aug. 2012 - Aug. 2014 University of Wisconsin-Madison Trainee, Department of Statistics Aug. 2008 - Aug. 2012 NASA Langley Research Center Intern, Safety Critical Avionics Systems Branch June 2007 - Aug. 2007 College of William and Mary Teaching Assistant, Department of Mathematics Aug. 2006 - May 2008
RESEARCH INTERESTS	<ul style="list-style-type: none">• Design and Analysis of Non-Inferiority Trials• Outcome Dependent Sampling• Statistical Computing in R• Survival Analysis
PUBLICATIONS	1. L. S. McDaniel , N. C. Henderson, and P. J. Rathouz. Fast Pure R Implementation of GEE: Application of the Matrix Package. The R Journal, 5(1):181-188, June 2013.

MANUSCRIPTS IN
PROGRESS

1. M. D. LaFontaine, **L. S. McDaniel**, L. N. Kubicek, R. Chappell, L. J. Forrest, R. Jeraj. Fixed Effects Influencing the Variability of Distributed Parameter Based Models in DCE-CT Kinetic Analysis. Accepted to Veterinary and Comparative Oncology.
2. **L. S. McDaniel**, J. S. Schildcrout, E. F. Schisterman and P J. Rathouz. Generalized Linear Models for Longitudinal Data with Biased Sampling Designs: A Sequential Offsetted Regressions Approach. Submitted.
3. R. Gertz, Y. Nikiforov, W. Rehrauer, **L. S. McDaniel**, R. Lloyd. Mutation in BRAF and other members of the MAPK pathway in papillary thyroid carcinoma in the pediatric population. Submitted.
4. **L. S. McDaniel**, M. Yu, and R. Chappell. Sample Size Under the Additive Hazards Model. Submitted.
5. **L. S. McDaniel**, M. Yu, and R. Chappell. Testing the Proportional Hazards Assumption Against an Additive Hazards Assumption. In preparation.

PRESENTATIONS
AT NATIONAL
MEETINGS

1. **L. S. McDaniel**, M. Yu, and R. Chappell. Sample Size Under the Additive Hazards Model. Joint Statistical Meetings, August 2014.
2. **L. S. McDaniel**, M. Yu, and R. Chappell. Sample Size Under the Additive Hazards Model. The Annual Meeting of the Society for Clinical Trials, May 2014.
3. R. Chappell and **L. S. McDaniel**. Imbalanced Randomization in Non-inferiority Trials can be Highly Efficient. Eastern North American Region of the International Biometrics Society Meeting, March 2014.
4. P. J. Rathouz, **L. S. McDaniel**, and J. S. Schildcrout. Robust Outcome-Dependent Sampling for Continuous- and Counted-Response Longitudinal Data. Joint Statistical Meetings, August 2013.
5. P. J. Rathouz, J. S. Schildcrout, and **L. S. McDaniel**. Outcome Dependent Sampling for Continuous-Response Longitudinal Data. Eastern North American Region of the International Biometrics Society Meeting, March 2013.

SOFTWARE

1. **L. S. McDaniel**, J. S. Schildcrout. SOR: Estimation using Sequential Offsetted Regression. Available on CRAN at <http://cran.r-project.org/web/packages/SOR/index.html>. September, 2014.
2. **L. S. McDaniel**. Interactive Sample Size Calculator. Available at <http://pages.stat.wisc.edu/~mcdaniel/samplesize.html>. November, 2013.
3. **L. S. McDaniel**, N. C. Henderson, P. J. Rathouz. geeM: Fit Generalized Estimating Equations. Available on CRAN at <http://cran.r-project.org/web/packages/geeM/index.html>. June, 2013.

AWARDS	<ul style="list-style-type: none"> • Finalist, Society for Clinical Trials Thomas Chalmers Student Paper Award, 2014. Awarded for Sample Size Under the Additive Hazards Model. • Third Place, ASA Biopharmaceutical Student Paper Award, 2014. Awarded for Sample Size Under the Additive Hazards Model. • Student Travel Award, INFORMS Annual Meeting, 2007.
PROFESSIONAL MEMBERSHIP	<ul style="list-style-type: none"> • Society for Clinical Trials • American Statistical Association • Eastern North American Region of the International Biometric Society
COURSEWORK	<ul style="list-style-type: none"> • Clinical Trials, Epidemiology, Survival Analysis, Theoretical Statistics sequence, Linear Models sequence, Computer Science minor sequence, Discrete Event Simulation.
MISCELLANEOUS	<ul style="list-style-type: none"> • Computer Skills: Strong knowledge of R, Java, Javascript, L^AT_EX, Microsoft Office.