

## CURRICULUM VITAE

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North Carolina State University  
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### EDUCATION

Ph.D. (1984), Statistics, University of North Carolina, Chapel Hill.  
M.S. (1983), Statistics, University of North Carolina, Chapel Hill.  
B.S. (1979), Mathematics and Statistics, University of Connecticut.

### EXPERIENCE

1986–present: Department of Statistics, North Carolina State University; Interim Department Head (2016–); Drexel Professor of Statistics (2009–); Associate Department Head, (2007–2011); Graduate Program Co-Director, (2004–2007); Professor (1994–); Associate Professor (1989–1994); Assistant Professor (1986–1989).

Summer 1988: Visiting Professor, Department of Biostatistics, School of Public Health, Harvard University.

1984–1986: Assistant Professor, Department of Economic and Social Statistics, School of Industrial and Labor Relations, Cornell University.

1981–1983: Statistician, Environmental Protection Agency, Research Triangle Park, North Carolina.

Summer 1981: Statistician, Mathematics Division, Army Research Office, Research Triangle Park, North Carolina.

### RESEARCH & APPLICATION AREAS

Mathematical Statistics, Measurement Error Models, Robust Statistics, Linear and Generalized Linear Models, Variable Selection, Drug Discovery, Data Mining, Statistical Inference.

Biostatistics, Pharmaceutical Statistics, Environmental Statistics, Physical and Engineering Statistics, Sampling, Design of Experiments, Forensic Statistics, Legal Statistics.

### TEACHING AREAS

Introductory Statistics, Applied Statistics, Linear Models, Analysis of Variance, Generalized (Logistic, Poisson, etc.) Linear Models, Design of Experiments, Sampling, Survival Analysis, Categorical Data Analysis, Mathematical Statistics, Advanced Statistical Inference, Stochastic Processes, Probability, Measurement Error Models, History of Statistics.

### RESEARCH GRANTS, FUNDING, AND RESPONSIBILITIES

*Research Collaboration Between SAS Institute and NCSU: Tuning Parameter Section in*

- LASSO Regression and Related Regression Selection Methods*, 2016, SAS Institute Inc.; PIs: E. Laber and L. Stefanski
- Variable Selection via Measurement Error Modeling*; National Science Foundation; \$300,000; July 2014 – June 2017; PI, L. Stefanski.
- Statistical Methods for Cancer Clinical Trials*; UNC - UNC Chapel Hill (Prime–National Cancer Institute) ; \$835,654.00; May 2015 – Mar 2016; Investigators: Davidian, Marie Tsiatis, Anastasios A. Bondell, Howard D Stefanski, Leonard A. Tzeng, Jung Y. Laber, Eric Benjamin Song, Rui Lu, Wenbin Motsinger-Reif, Alison Anne Wu, Yichao
- Flexible Statistical Methods for Biomedical Data*; National Institutes of Health; \$2,453,238; May 2000 – July 2012; Investigators: M. Davidian, L. Stefanski, H. Zhang, D. Zhang.
- Statistical Methods for Cancer Clinical Trials*; UNC - UNC Chapel Hill (Prime–National Cancer Institute); \$1,457,409; April 2010 – March 2012; Investigators: M. Davidian, A. Tsiatis, H. Bondell, D. Boos, L. Stefanski, J. Tzeng, H. Zhang.
- Stability, Inference, and Weighting in Model Selection*; National Science Foundation; \$200,000; July 2009 – June 2012; CO-PIs, D. Boos, L. Stefanski.
- New Approaches to Variable Selection*; National Science Foundation; \$300,000; July 2005 – June 2008; CO-PIs, D. Boos, L. Stefanski.
- VIGRE-II - Integrated and Mentored Program of Research and Education in Statistical Sciences (IMPRESS)*; National Science Foundation EMSW21-VIGRE Project; \$1,590,000; August 2004 – July 2007; CO-PIs, S. Pantula, T. Gerig, L. Stefanski, M. Davidian, M. Fuentes.
- Regression and Deconvolution with Heteroscedastic Measurement Error*; National Science Foundation; \$217,652; July 2003 – June 2006; PI, L. Stefanski.
- Robust Statistics for Correlated Data*; National Science Foundation; \$126,900; August 2002 – July 2005; CO-PIs, D. Boos, M. Genton, L. Stefanski.
- Tests for Equality of Multivariate Mean Vectors Based on Incomplete Data and Non-Normal Distributions*; GlaxoSmithKline; \$50,590; December 2002 – December 2003; CO-PIs, M. Genton, L. Stefanski.
- Scientific Computing Research Environments for the Mathematical Sciences*; National Science Foundation; \$21,942; July 2001 – June 2004; PI, P. Bloomfield; CO-Is, L. Stefanski and others.
- Triple System Estimation for Population Size*; US Census Bureau; \$236,430; July 2000 – June 2002; CO-PIs, S. Pantula, K. Pollock; CI-Is, S. Ghosh, L. Stefanski.
- Training Problem Solvers - A Research Centered Learning Community*; National Science Foundation - VIGRE; \$2,746,310; July 1999 – June 2004; CO-PIs, T. Gerig, S. Pantula, L. Stefanski, W. Swallow, A. Tsiatis, B. Weir.

*Measurement Error and Statistical Inference*; National Science Foundation; \$120,000; July 1995 – June 1999; PI, L. Stefanski.

*Assessing the Health of Agroecosystems in the United States: Statistical Sample Design, Indicator Development, and Data Analysis*; USDA Cooperative Agreement, Environmental Monitoring and Assessment Program; \$150,000; July 1995 – June 1996; PI, L. Stefanski.

*Assessing the Health of Agroecosystems in the United States: Statistical Sample Design, Indicator Development, and Data Analysis*; USDA Cooperative Agreement, Environmental Monitoring and Assessment Program; \$135,000; May 1993 – June 1995; PI, J. Rawlings; CO-I, L. Stefanski.

*Statistical Inference in the Presence of Measurement Error, II*; National Science Foundation; \$67,000; July 1992 – June 1995; PI, L. Stefanski.

*Estimating Finite Population Distribution Functions with Noisy Data*; EMAP Program, Environmental Protection Agency; \$12,000; July 1992 – June 1993; PI, L. Stefanski.

*Statistical Inference in the Presence of Measurement Error*; National Science Foundation; \$27,476; July 1986 – June 1988; PI, L. Stefanski.

## **EDITORIAL RESPONSIBILITIES**

Chair, American Statistical Association *Committee on Publications*, January 2012–December 2015

Associate Editor, *Statistica Sinica*, 2011–2013.

Editorial Board, *Significance*, 2010–2013.

Editor, *Journal of the American Statistical Association*, Theory and Methods Section, 2008–2011.

Associate Editor, *Journal of the American Statistical Association*, Theory and Methods Section, 1985–1998.

## **CONSULTING, OUTREACH, TECHNOLOGY TRANSFER**

Statistical Consultant to Experimental Scientists and Project Officers at the U. S. Environmental Protection Agency, Research Triangle Park.

I create and make available via a web page unique data sets that are useful for teaching linear regression concepts, see [http://www4.stat.ncsu.edu/~stefanski/NSF\\_Supported/Hidden\\_Images/stat\\_res\\_plots.html](http://www4.stat.ncsu.edu/~stefanski/NSF_Supported/Hidden_Images/stat_res_plots.html)

Pro bono consulting for the Raleigh, NC Police Department on matters related to interpreting and reporting trends in crime statistics and projecting future workloads.

## **PROFESSIONAL MEMBERSHIPS**

American Statistical Association

Institute of Mathematical Statistics

## AWARDS AND HONORS

- 2013: Cavell Brownie Mentoring Award Winner: 2012-2013 (see <http://www.stat.ncsu.edu/people/stefanski/> for citation).
- 2009: Drexel Professor of Statistics (see <http://www.ncsu.edu/bulletin/archive/2009/06/06-18/notes.php> for citation).
- 2005: D. D. Mason Department Award (see <http://www.stat.ncsu.edu/people/stefanski/mason-0405.php> for citation).
- 1998: Elected Fellow of the American Statistical Association.

## NATIONAL COMMITTEE MEMBERSHIPS, PANELS, WORKSHOPS

- American Statistical Association *Committee on Data Sharing and Reproducibility*, 2013
- Chair, American Statistical Association *Editor Search Committee for the Journal of the American Statistical Association*, 2012-2013
- Chair, American Statistical Association *Panel on the Future of Publications*, 2012
- Chair, American Statistical Association *Committee on Publications*, January 2012–December 2015
- National Science Foundation Statistics and Probability Screening Panel, February 2013.
- National Science Foundation Statistics and Probability Screening Panel, January 2011.
- Mathematical Challenges for Sustainability, November 2010
- National Science Foundation VIGRE Review Panel, December 2004.
- National Science Foundation Statistics and Probability Screening Panel, December 2003.
- BEIR VII Committee on the Health Risks from Exposure to Low Levels of Ionizing Radiation, National Academy of Sciences.

## BOOKS

- Essential Statistical Inference: Theory and Methods.** Boos, D.D. & Stefanski. L.A., New York: Springer, 2013 xvii + 568pp.
- Measurement Error in Nonlinear Models: A Modern Perspective.** Carroll, R. J., Ruppert, D., Stefanski, L. A. & Crainiceanu, C. M., London: Chapman & Hall, 2006 xxviii + 455 pp.
- Measurement Error in Nonlinear Models.** Carroll, R. J., Ruppert, D., & Stefanski, L.A., London: Chapman & Hall, 1995 xxiv + 305 pp.

## PUBLICATIONS

- Wenhao, H., Laber, E., Barker, C., Stefanski, L. A. (2016). Assessing Tuning Parameter Selection Variability in Penalized Regression, **submitted to** *Journal of the American Statistical Association*, **in review**.

- White, K. R., Stefanski, L. A., Wu, Y. (2016). Variable Selection in Kernel Regression Using Measurement Error Selection Likelihoods, *Journal of the American Statistical Association*, **in press**.
- Linn, Kristin A., Laber, Eric B., Stefanski, Leonard A. (2016). Interactive Q-learning for Quantiles, *Journal of the American Statistical Association*, **in press**.
- Linn, K.A., Laber, E.B. and Stefanski, L.A. (2015). Estimation of dynamic treatment regimes for complex outcomes: Balancing benefits and risks, in *Adaptive Treatment Strategies in Practice: Planning Trials and Analyzing Data for Personalized Medicine*, Kosorok, R. and Moodie, E.M. (eds) SIAM, ISBN 978-1-611974-17-1.
- Wu, Y. and Stefanski, L. (2015). Automatic structure recovery for additive models, *Biometrika*, **102**, 381-395, DOI: 10.1093/biomet/asu070.
- Linn, Kristin A., Laber, Eric B., Stefanski, Leonard A. (2015). iqLearn: Interactive Q-Learning in R, *Journal of Statistical Software* **64**.
- Sauerbrei, Willi; Abrahamowicz, Michal; Altman, Douglas G.; et al. Group Author(s) (2014). STREngthening Analytical Thinking for Observational Studies: the STRATOS Initiative, *Statistics in Medicine*, **33**, 5413-5432, DOI: 10.1002/sim.6265.
- Laber, Eric B.; Linn, Kristin A.; Stefanski, Leonard A. (2014). Interactive model building for Q-learning *Biometrika*, **101**, 831-847, 10.1093/biomet/asu043. PMID: PMC4274394.
- Stefanski, L. A., Wu, Y. and White, K. (2014). Variable Selection in Nonparametric Classification via Measurement Error Model Selection Likelihoods, *J. Am. Stat. Assoc. (T&M)*, **109**, 574-589, DOI: 10.1080/01621459.2013.858630.
- Thomas, L., Stefanski, L. A., and Davidian, M. (2013). Bias Reduction in Logistic Regression with Estimated Variance Predictors, in *ISS-2012 proceedings Volume On Longitudinal Data Analysis Subject to measurement errors, Missing Values, and/or Outliers*, Sutradhar, B. C. (ed) Springer, New York.
- Buzas, J. S., Stefanski, L. A. and Tosteson, T. D. (2013). Measurement Error, in *Handbook of Epidemiology 2nd Edition*, Ahrens, W. & Pigeot, I. (eds) Springer, Heidelberg.
- Thomas-Elliot, L., Stefanski, L. A., and Davidian, M. (2013). Moment Adjusted Imputation for Multivariate Measurement Error Data with Applications to Logistic Regression, *Computational Statistics and Data Analysis*, **67**, 15-24, DOI: 10.1016/j.csda.2013.04.017.
- Bondell, H. and Stefanski, L. A. (2013). Efficient Robust Regression via Two-Stage Generalized Empirical Likelihood, *Journal of the American Statistical Association* **108**, 644-655, DOI: 10.1080/01621459.2013.779847 .
- Stefanski, L. (2012). Measurement error in *Encyclopedia of Environmetrics Second Edition*, A.-H. El-Shaarawi and W. Piegorisch (eds). John Wiley & Sons Ltd, Chich-

- ester, UK, pp.1580-1586. DOI: 10.1002/9780470057339.vam012.pub2.
- Huixia Judy Wang, Stefanski, L. A. and Zhu, Z. (2012). Corrected-loss Estimation for Quantile Regression with Covariate Measurement Error,” *Biometrika*, **99**, 405-421, DOI: 10.1093/biomet/ass005.
- Boos, D. and Stefanski, L. A. (2011). P-Value Precision and Reproducibility, *The American Statistician*, **65**, 213-221, DOI: 10.1198/tas.2011.10129.
- Thomas-Elliot, L., Stefanski, L. A., and Davidian, M. (2011). A Moment Adjusted Imputation Method for Measurement Error Models, *Biometrics*, **67**, 1461-1470, DOI: 10.1111/j.1541-0420.2011.01569.x
- Cozzens, M. M. and Roberts, F., Eds. (2011). *Mathematical and Statistical Challenges for Sustainability*, Contributor to Ch. 3 “Measuring and Monitoring Progress Toward Sustainability,” American Mathematical Society.
- Marr, D., Mason, M., and Stefanski, L. (2011) A statistical approach to determining the uncertainty in power-law model estimates of emissions based on time-dependent chamber concentration measurements, *Proceedings, Indoor Air 2011*, International Society of Indoor Air Quality and Climate (ISIAQ), 6 p
- Crews, H., Boos, D. D., Stefanski, L. A. (2011). FSR Methods for Second-Order Regression Models, *Computational Statistics and Data Analysis*, **55**, 2026-37, DOI: 10.1016/j.csda.2011.01.009.
- McIntyre, J., Stefanski, L. A. (2011). Regression-Assisted Deconvolution, *Statistics in Medicine*, **30**, 1722-34, DOI: 10.1002/sim.4186.
- McIntyre, J., Stefanski, L. A. (2011). Density Estimation with Replicate Heteroscedastic Measurements, *Annals of the Institute of Statistical Mathematics*, **63**, 81-99, DOI 10.1007/s10463-009-0220-x.
- Boos, D. and Stefanski, L. A. (2010). Efron’s Bootstrap, *Significance*, **7**, 10.1111/j.1740-9713.2010.00463.x
- Pantula, S. G., Teugels, J. and Stefanski, L. A. (2010). A Statistical Education, Letter to the Editor of Science News, <http://www.sciencenews.org/view/generic/id/58594/title/Feedback>, also appeared in The AmStat News.
- Huang, X., Stefanski, L. A., Davidian, M. (2009). Latent-model Robustness in Joint Models for a Primary Endpoint and a Longitudinal Process, *Biometrics* **65**, 719-727, DOI: 10.1111/j.1541-0420.2008.01171.x.
- Boos, D. D., Stefanski, L. A., Wu, Y. (2009). Fast FSR Variable Selection with Applications to Clinical Trials, *Biometrics*, **65**, 692-700, DOI: 10.1111/j.1541-0420.2008.01127.x.
- Wang, Q., Stefanski, L. A., Genton, M., and Boos, D. (2009). Robust Time Series Analysis via Measurement Error Modeling, *Statistica Sinica*, **19**, 1263-1280.
- Wu, Y., Genton, M. and Stefanski, L. A. (2009). A Comparison of Node-Splitting Rules in Recursive Partitioning Analysis of Multivariate Quantitative Structure Activity

- Data, *Statistics in Biopharmaceutical Research*, **1**, 119-130, DOI: 10.1198/sbr.2009.0020.
- Ogorek, Benjamin A. and Stefanski, Leonard A. (2009). Orthology-Based Multilevel Modeling of Differentially Expressed Mouse and Human Gene Pairs, *Statistical Applications in Genetics and Molecular Biology*, Vol 8 : Iss. 1, Article Number: 10.2202/1544-6115.1414; 1544-6115(electronic).
- Stefanski, Leonard A. (2008). The North Carolina Lottery Coincidence, *The American Statistician*, **62**, 130-132.
- Aneja, V.P., S.P. Arya, D.S. Kim, I.C. Rumsey, H.L. Arkinson, H. Semunegus, K. Bajwa, D. Dickey, L.S. Stefanski, L. Todd, K. Mottus, W.P. Robarge and C.M. Williams, 2008, Characterizing Ammonia Emissions from Swine Farms in Eastern North Carolina: Part 1- Conventional Lagoon and Spray Technology for Waste Treatment, *Journal of the Air and Waste Management Association*, vol. 58, No. 9, pp. 1130-1144.
- Aneja, V.P., S.P. Arya, I.C. Rumsey, D.S. Kim, K. Bajwa, H.L. Arkinson, H. Semunegus, D. Dickey, L.S. Stefanski, L. Todd, K. Mottus, W.P. Robarge, and C.M. Williams, 2008, Characterizing Ammonia Emissions from Swine Farms in Eastern North Carolina: Part 2- Potential Environmentally Superior Technologies for Waste Treatment, *Journal of the Air and Waste Management Association*, vol. 58, No. 9, pp. 1145-1157.
- Westfall, P., Desmone, R., Frey, J. and Stefanski, L. (2007). ASA tries out promotions strategy on two May articles, *The AmStat News*, 20-21.
- Stefanski, Leonard A. (2007). Residual (Sur)Realism, *The American Statistician*, **61**, 163-177.
- Wu, Y., Boos, D. D. and Stefanski, L. A. (2007). Controlling Variable Selection by the Addition of Pseudo-Variables, *J. Am. Statist. Assoc.*, **102**, 235-243.
- Childs, J. L., Daubert, C. R., Stefanski, L. and Foegeding, E. A. (2007). Factors Regulating Cheese Shreddability, *J. Dairy Sci.*, **90**, 2163-2174.
- Wu, Y. J., Genton, M. G., Stefanski, L. A. (2006). A multivariate two-sample mean test for small sample size and missing data, *Biometrics*, **62**, 877-885.
- Huang, X., Stefanski, L. A. and Davidian, M. (2006). Latent-model Robustness in Structural Measurement Error Models, *Biometrika*, **93**, 53-64.
- Luo, X., Boos, D. D. and Stefanski, L. A. (2006). Tuning Variable Selection Procedures. *Technometrics*, **48**, 165-175.
- I.C. Rumsey, V.P. Aneja, S.P. Arya, D.S. Kim, W.P. Robarge, D. Dickey, L.S. Stefanski, H. Semunegus, H.L. Arkinson, K. Bajwa, W. W. Stephens, S. B. Goetz, L. Todd, K. Mottus, and C.M. Williams, 2006, Characterizing Ammonia Emissions from Potential Environmentally Superior Technologies for hog farms in Eastern North Carolina, *Proceedings of the Workshop on Agricultural Air Quality: State of the*

- Science, June 5-8, 2006, Potomac, MD, ISBN. 0-9669770-4-1, pp. 1076-1085.
- Stefanski, L. A., Novick, S. J. and Devanarayan, V. (2005). Estimating a nonlinear function of a normal mean, *Biometrika* **92**, 732-736.
- Fitzgerald L. Booker, Joseph E. Miller, Edwin L. Fiscus, Walter A. Pursley, and L. A. Stefanski (2005). Comparative responses of container- versus ground-grown soybean to elevated carbon dioxide and ozone, *Crop Science* **45**, 883-895.
- Buzas, J. S., Stefanski, L. A. and Tosteson, T. D. (2005). Measurement Error, in *Handbook of Epidemiology*, Ahrens, W. & Pigeot, I. (eds) Springer, Heidelberg.
- Glenn, T.A., C.R. Daubert, B.E. Farkas and L.A. Stefanski (2003). A Statistical Analysis of Creaming Variables Impacting Process Cheese Melt Quality, *J. Food Quality*, **26**(4), 299-321.
- Stefanski, L. A. (2002). Measurement Error in *Encyclopedia of Environmetrics*, A. E. Raftery, A. A. Tanner and M. T. Wells, Eds., Chapman and Hall, USA.
- Stefanski, L. A. (2002). Measurement Error in *Statistics in the 21st Century*, A. H. El-Shaarawi, Walter W. Piegorsch, Eds., Wiley, USA.
- Stefanski, L. A. and Boos, D. (2002). The Calculus of M-estimation, *The American Statistician* **56**, 29-38.
- Novick, S. J. and Stefanski, L. A. (2002). Corrected Score Estimation via Complex Simulation Extrapolation, *Journal of the American Statistical Association* **97**, 472-481.
- Devanarayan, V., Stefanski, L. A. (2002), Empirical Simulation Extrapolation for Measurement error Models with Replicate Measurements, *Statistics and Probability Letters* **59**, 219-225.
- Stefanski, L. A. (2001), *Measurement Error*, in *Encyclopedia of Environmetrics*, A. El-Shaarawi and W. W. Piegorsch, Eds., Wiley, UK.
- Blankenship, E. and Stefanski, L. A. (2001). Statistical Estimation of Ozone Exposure Metrics, *Atmospheric Environment* **35**, 4499-4510.
- A. S. Heagle, F. L. Booker, J. E. Miller, W. A. Pursley, L. A. Stefanski, (2000). Influence of Daily Carbon Dioxide Exposure Duration and Root Environment on Soybean Response to Elevated Carbon Dioxide, *Journal of Environmental Quality* **28**, 666-675.
- Allen S. Heagle and L. A. Stefanski, (2000). Relationships between ambient ozone regimes and white clover forage production using different ozone exposure indexes, *Atmospheric Environment* **34**, 735-744.
- Stefanski, L. A. (2000). Measurement Error Models, *Journal of the American Statistical Association* **95**, 1353-1358.
- A. S. Heagle, F. L. Booker, J. E. Miller, W. A. Pursley, L. A. Stefanski, (2000). Influence of Daily Carbon Dioxide Exposure Duration and Root Environment on



- Soybean Response to Elevated Carbon Dioxide (vol 28, pg 666, 1999), *Journal of Environmental Quality* **29**, 1369-1369.
- Schafer, D. W., Stefanski, L. A. & Carroll, R. J. (1999). Consideration of measurement errors in the international radiation study of cervical cancer. In *Uncertainties in Radiation Dosimetry and Their Impact on Dose response Analysis*, E. Ron and F. O. Hoffman, editors. National Cancer Institute Press.
- Gould, W. R., Stefanski, L. A. and Pollock, Kenneth H. (1999). Use of Simulation-Extrapolation Estimation in Catch-Effort Analyses, *Canadian Journal of Fisheries and Aquatic Sciences* **56**, 1234-1240.
- Ruppert, D., Carroll, R. J. and Stefanski, L. A. (1999). A Comment on Rousseeuw, Peter J., and Hubert, Mia, *The Journal of the American Statistical Association* **94**, 410-411.
- Park, H. and Stefanski, L. A. (1998). Relative-Error Prediction, *Statistics & Probability Letters*, **40**, 227-236.
- Carroll, R. J. and Stefanski, L. A. (1997). Asymptotic Theory for the SIMEX Estimator in Measurement Error Models, *Advances in Statistical Decision Theory and Applications*, S. Panchapakesan and N. Balakrishnan, Eds., Birkhauser, Berlin.
- Gould, W. R., Stefanski, L. A. and Pollock, Kenneth H. (1997). Effects of Measurement Error on Catch-Effort Estimation, *Canadian Journal of Fisheries and Aquatic Sciences* **54**, 898-906.
- Carroll, R. J., Lombard, F., Küchenhoff, H. and Stefanski, L. A. (1996). Asymptotics for the SIMEX Estimator in Structural Measurement Error Models, *Journal of the American Statistical Association* **91**, 242-250.
- Stefanski, L. A. and Bay, J. M. (1996). Parametric Jackknife Deconvolution of Finite Population CDF Estimators, *Biometrika* **83**, 407-417.
- Buzas, J. S. and Stefanski, L. A. (1996). A Note On Corrected-Score Estimation, *Statistics & Probability Letters* **28**, 1-8.
- Stefanski, L. A. and Bay, J. M. (1996). Simulation Extrapolation Deconvolution of Finite Population Cumulative Distribution Function Estimators, *Biometrika* **83**, 407-417.
- Buzas, J. S. and Stefanski, L. A. (1996). Instrumental Variable Estimation in Generalized Linear Measurement Error Models, *Journal of the American Statistical Association* **91**, 999-1006.
- Buzas, J. S. and Stefanski, L. A. (1996). Instrumental Variable Estimation in a Probit Regression Model, *Journal of Statistical Inference and Planning* **55**, 47-62.
- Stefanski, L. A. (1996). A Note on the Arithmetic-Geometric-Harmonic Mean Inequalities, *The American Statistician* **50**, 246-247.
- Hellkamp, A. S., Bay, J. M., Easterling, K. N., Hess, G. R., McQuaid, B. F., Munster,

- M. J., Neher, D. A., Olson, G. L., Sidik, K., Stefanski, L. A., Tooley, M. B., Campbell, C. L. (1995). Environmental Monitoring and Assessment Program - Agricultural Lands Pilot Field Program Report - 1993. EPA/620/R-95/004. U. S. Environmental Protection Agency, Washington, DC.
- Stefanski, L. A. and Cook, J. R. (1995). Simulation-Extrapolation: The Measurement Error Jackknife, *Journal of the American Statistical Association* **90**, 1247–1256.
- Stefanski, L. A. and Buzas, J. S. (1995). Instrumental Variable Estimation in Binary Regression Models, *Journal of the American Statistical Association* **90**, 541–550.
- Eubank, R. L., Hart, J. D., Simpson, D. G., and Stefanski, L. A. (1995). Testing for Additivity in Nonparametric Regression, *Annals of Statistics* **23**, 1896–1920.
- Cook, J. R. and Stefanski, L. A. (1994). Simulation-Extrapolation Estimation in Parametric Measurement Error Models, *Journal of the American Statistical Association* **89**, 1314–1328.
- Doorn, M.R.J., Stefanski, L.A. and Barlaz, M.A. (1994). Estimate of Methane Emissions from U.S. Landfills [microform]: Project Summary, Research Triangle Park, NC, U. S. Environmental Protection Agency, Air and Energy Engineering Research Laboratory, [Springfield, VA, National Technical Information Service, distributor, 1994].
- Carroll, R. J. and Stefanski, L. A. (1994). Measurement Error, Instrumental Variables and Corrections for Attenuation with Applications to Meta-Analyses, *Statistics in Medicine* **13**, 1265–1282.
- Hwang, J. T. and Stefanski, L. A. (1994). Monotonicity of Regression Functions in Structural Measurement Error Models, *Statistics and Probability Letters* **20**, 113–116.
- Gullett, B. K., Groff, P. W. and Stefanski, L. A. (1993). Mixing Quantification by Visual Imaging Analysis, *Experiments in Fluids* **15**, 443–451.
- Monahan, J. F. and Stefanski, L. A. (1992). Normal Scale Mixture Approximations to  $F^*(z)$  and Computation of the Logistic-Normal Integral, in *Handbook of the Logistic Distribution*, N. Balakrishnan, Ed., Marcel Dekker, New York.
- Gullett, B. K., Wojciech, J. and Stefanski, L. A. (1992). Reaction Kinetics of Ca-Based Sorbents with HCl, *Industrial and Engineering Chemistry Research* **31**, 2437–2446.
- Stefanski, L. A. (1992). Ensuring Data Quality Via Preliminary Analysis of Measurement Error Variability, Measurement of Toxic and Related Air Pollutants, Proceedings of the 1992 U.S. EPA/A&WMA International Symposium.
- Monahan, J. F. and Stefanski, L. A. (1991). Approximations of the Normal-Logistic Convolution, *Computer Science and Statistics: Proceedings of the 23rd Annual Symposium on the Interface*, 445–447.
- Stefanski, L. A. (1991). A Normal Scale Mixture Representation of the Logistic Dis-

- tribution, *Statistics & Probability Letters* **11**, 69–70.
- Stefanski, L. A. and Carroll, R. J. (1991). Deconvolution–Based Score Tests in Measurement Error Models, *Annals of Statistics* **19**, 249–259.
- Stefanski, L. A. (1991). A Note on High-Breakdown Estimators, *Statistics & Probability Letters* **11**, 353–358.
- Stefanski, L. A. (1991). Monotone Likelihood Ratio of a Faulty-Inspection Distribution, *The American Statistician* **46**, 110–114.
- Stefanski, L. A. (1990). Rates of Convergence of Some Estimators in a Class of Deconvolution Problems, *Statistics & Probability Letters* **9**, 229–235.
- Stefanski, L. A. and Carroll, R. J. (1990). Deconvoluting Kernel Density Estimators, *Statistics* **21**, 169–184.
- Stefanski, L. A. and Carroll, R. J. (1990). Structural Logistic Regression Measurement Error Models, in *Statistical Analysis of Measurement Error Models and Applications*, P. J. Brown and W. A. Fuller, eds., American Mathematical Society, Providence.
- Stefanski, L. A. and Carroll, R. J. (1990). Score Tests in Generalized Linear Measurement Error Models, *Journal of the Royal Statistical Society B* **52**, 345–359.
- Carroll, R. J. and Stefanski, L. A. (1990). Approximate Quasi-likelihood Estimation in Models With Surrogate Predictors, *Journal of the American Statistical Association*, **85**, 652–663.
- Stefanski, L. A. (1989). Correcting Data for Measurement Error in Generalized Linear Models, *Communications in Statistics - Theory and Methods* **18**, 1715–1733.
- Kunsch, H. R., Stefanski, L. A. and Carroll, R. J. (1989). Conditionally Unbiased Bounded Influence Robust Regression with Applications to Generalized Linear Models, *Journal of the American Statistical Association* **84**, 460–466.
- Tosteson, T. D., Stefanski, L. A. and Schafer, D. (1989). A Measurement Error Model for Binary and Ordinal Regression, *Statistics in Medicine* **8**, 1139–1147.
- Stefanski, L. A. (1989). Unbiased Estimation of a Nonlinear Function of a Normal Mean with Application to Measurement Error Models, *Communications in Statistics - Theory and Methods* **18**, 4335–4358.
- Stefanski, L. A. (1988). Measurement Errors in GLM Explanatory Variables, *Proceedings of the Third International Workshop on Statistical Modeling*.
- Stefanski, L. A. and Carroll, R. J. (1987). Conditional Scores and Optimal Scores for Generalized Linear Measurement Error Models, *Biometrika* **74**, 703–716.
- Stefanski, L. A., Carroll, R. J. and Ruppert, D. (1986). Optimally Bounded Score Functions for Generalized Linear Models with Applications to Logistic Regression, *Biometrika* **73**, 413–424.

- Stefanski, L. A. and Meredith, M. (1986). Robust Estimation of Location in Samples of Size Three, *Communications in Statistics – Theory and Methods* **15**, 2921–2933.
- Stefanski, L. A. (1985). The Effects of Measurement Error on Parameter Estimation, *Biometrika* **72**, 583-592.
- Stefanski, L. A. and Carroll, R. J. (1985). Covariate Measurement Error in Logistic Regression, *Annals of Statistics* **13**, 1335–1351.
- Stefanski, L. A. (1983). *Influence and Measurement Error in Logistic Regression*, Thesis (Ph.D.)—University of North Carolina at Chapel Hill.
- Stefanski, L. A. (1982). An Application of Renewal Theory to Software Reliability, *Proceedings of the Twenty-Seventh Conference on the Design of Experiments in Army Research Development and Testing* **82–2**, 101–118.

## BOOK REVIEWS

- Measurement Error Models**, W. Fuller, New York: John Wiley & Sons, 1987 xxiii + 440 pp. *Journal of Business and Economic Statistics*, **6**, 399-400.
- Modern Concepts and Theorems of Mathematical Statistics**, E. Manoukian, New York: Springer-Verlag, 1986 xvi + 156 pp. *Journal of the American Statistical Association*, September 1987, **82**, 949-950.

## SHORT COURSES

- Nonlinear Measurement Error Models*, 1998 Joint ASA-IMS Meetings, Dallas 1998.

## INVITED PAPERS: Conferences, Meetings and Symposia

- Interactive Q-Learning for Probabilities and Quantiles*, 2014 Joint Statistical Meetings, Boston MA, with Kristin Linn (**presenter**) and Eric B. Laber.
- Smooth Estimators of Optimal Dynamic Treatment Regimes*, with Kristin A. Linn (**presenter**) and E. Laber. 2013 JSM Montreal
- Variable Selection in Kernel-Based Nonparametric Regression*, 2013 Joint Statistical Meetings, Montreal CA, August 2013, with Yichao Wu, and Kyle White.
- Plenary Session: *Measurement Error and Variable Selection in Parametric and Nonparametric Models*, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, October 2012, Greensboro, NC, with Y. Wu and K. White.
- Keynote Speaker: *Efficient Robust Regression via Empirical Likelihood*, International Conference on Robust Statistics, Burlington, VT, Aug 2012, with H. Bondell.
- Measurement Error and Variable Selection in Nonparametric Models*, 2012 Joint Statistical Meetings, San Diego, CA, August 2012, with Yichao Wu, and Kyle White.
- Measurement Error Model Methods for bias reduction and variance estimation in GLM*

- Joint Models for a Primary Endpoint and Longitudinal Process*, International Symposium in Statistics (ISS) on Longitudinal Data Analysis Subject to Outliers, Measurement Errors, and/or Missing Values, July 2012, St John's, Newfoundland, with M. Davidian and L. Elliot-Thomas.
- Corrected-Loss Estimation for Quantile Regression with Covariate Measurement Error*, 2011 Joint Statistical Meetings, Miami, FL, August 2011, with Huixia Judy Wang (presenter) and Zhongyi Zhu.
- A statistical approach to determining the uncertainty in power-law model estimates of emissions based on time-dependent chamber concentration measurements*, Indoor Air 2011, Austin, TX, June 2011. International Society of Indoor Air Quality and Climate (ISIAQ), with D. Marr and M. Mason (presenter).
- Regression-Assisted Deconvolution*, International Chinese Statistical Association, 20th Applied Statistics Symposium, New York June 2011, with Julie McIntyre.
- Stability and Inference in Model Selection* invited, 2010 Joint Statistical Meetings, Vancouver, CA (with Dennis Boos).
- Measurement Error Models for Variance Predictors*, Conference on Statistical Methods for Complex Data, College Station, TX, March 2009 (with Laine E. Thomas and Marie Davidian).
- Information Reduction for Bias and Variance Estimation*. Virginia Academy of Sciences, Richmond, VA, May 2009.
- Measurement Error Models for Variance Predictors*, Southeast Regional Conference on Statistics, Jekyll Island, June 2009 (with Laine E. Thomas and Marie Davidian).
- Measurement Error Models for Variance Predictors*, invited, 2009 Joint Statistical Meetings, Washington DC (with Laine E. Thomas and Marie Davidian).
- Instability Measures and Model Averaging* invited, 2009 Joint Statistical Meetings, Washington DC (presented by D. Boos).
- Fast FSR and Inference in Regression*, 2008 ENAR meeting in Washington, D.C., with D. Boos (presenter).
- New approaches to Variable Selection*, Southern Regional Council on Statistics and the American Statistical Association Summer Research Conference, June 2007.
- Recent Advances in False Selection Rate Methods in Variable Selection: Fast FSR*, invited talk, 2007 Joint Statistical Meetings, Salt lake City, with D. Boos (presenter).
- Garnering Student Interest: Finding Homer Simpson in Homework Assignments*, invited, 2007 Joint Statistical Meetings, Salt Lake City, UT.

*Two New Approaches to Variable Selection, International Conference on Advances in Interdisciplinary Statistics and Combinatorics*, University of Greensboro, October 2007.

*A New Strategy for Variable Selection, Technometrics Invited Paper Session*, 2006 Joint Statistical Meetings, Seattle, WA, with D. Boos (presenter) and X. Luo.

*Generalized Measurement Error Models and Bias Reduction*, ENAR Allocated Invited Paper Session, 2006 Joint Statistical Meetings, Seattle, WA.

*Corrected Score Methods for Heteroscedastic Measurement Error Models with Replicate Measurements*, 2005, International Statistical Institute, Sydney Australia.

*Model Robustness in Structural Measurement Error Modeling*, with P. Abbitt and S. Novick, 2000 American Statistical Association Annual Meeting, Indianapolis.

*Moment Matching Methods of Imputation for Data Measured with Error*, with J. M. Bay, *Current Topics in Survey Sampling Conference*, Lincoln, Nebraska, October 1997.

*Consideration of Measurement Errors in the International Radiation Study of Cervical Cancer*, with D. Schafer and R. J. Carroll, Workshop on Uncertainties in Radiation Dosimetry and Their Impact on Dose-Response Analyses, Bethesda, MD, September 1997.

*Computer Intensive Methods for the Analysis of Data Measured with Error*, Workshop on the Analysis of Categorical Data, Munich, Germany, October 1996.

*Simulation-Extrapolation: The Measurement Error Jackknife*, IMS-ASA-ENAR Spring Statistics Meeting, Birmingham AL, March 1995 (with J. Cook).

*Simulation-Extrapolation Estimation in Parametric and Nonparametric Measurement Error Models*, IMS-ASA-WNAR Spring Statistics Meeting, Laramie, WY, June 1993 (with J. Cook).

*Ensuring Data Quality via Preliminary Analysis of Measurement Error Variability*, EPA/A & WMA International Symposium, Durham, NC, May 1992.

*Instrumental Variable Estimation in Generalized Linear Measurement Error Models*, IMS-ASA-ENAR Spring Statistics Meeting, Cincinnati, OH, March 1992 (with J. S. Buzas).

*Structural Logistic Regression Measurement Error Models*, Arcata Conference on Measurement Error Models, Arcata 1989 (with R. J. Carroll).

*Measurement Error in Generalized Linear Model Explanatory Variables*, Third International Workshop on Statistical Modeling, Vienna 1988.

*Measurement Error in a Cohort Study with Ordinal Endpoint*, 1988 Eastern North American Regional Meeting - Biometric Society, Boston (with Dan Schafer).

*Measurement Error in a Cohort Study with Binary Endpoint*, National Institute of Health Workshop on Errors in Variables, October 1987.

*Correcting Data for Measurement Error*, 1987 American Statistical Association Annual Meeting, San Francisco.

*Some Recent Results in Generalized Linear Errors-in-Variables Models*, 1986 Western Regional Meeting of the Institute of Mathematical Statistics, Seattle (with R. J. Carroll).

*Measurement Error in Generalized Linear Models*, 1985 Eastern Regional Meeting of the Institute of Mathematical Statistics, Stony Brook.

*Bounded Influence Estimation in Logistic Regression*, 1984 Spring Meeting of the Institute of Mathematical Statistics, Orlando.

*Measurement Error in Logistic Regression: The Functional Case*, 1983 American Statistical Association Annual Meeting, Toronto (with R. J. Carroll).

*An Application of Renewal Theory to Software Reliability*, The Twenty-Seventh Conference on the Design of Experiments in Army Research Development and Testing, Raleigh, 1981.

#### **INVITED SEMINARS AND COLLOQUIA: Academic and Industry**

*Measurement Error and Variable Selection :*

University of Michigan (Statistics), March 2016;

Google Research, New York, NY June 2015;

Michigan State University (Statistics), October 2014;

Oregon State University (Statistics), October 2014;

Kansas State University (Statistics), March 2014;

*Measurement Error and Variable Selection in Parametric and Nonparametric Models* , University of North Carolina, Greensboro 2013, with Y. Wu and K. White.

*Measurement Error and Variable Selection in Parametric and Nonparametric Models* , CRM, Montral CA, 2013, with Y. Wu and K. White.

*Measurement Error and Variable Selection in Parametric and Nonparametric Models* , University of South Carolina, Fall 2012, with Y. Wu and K. White.

*Measurement Error and Variable Selection in Parametric and Nonparametric Models* , University of Southern California, Fall 2012 with Y. Wu and K. White.

*Measurement Error and Variable Selection in Parametric and Nonparametric Models* , North Carolina State University, Fall 2012 with Y. Wu and K. White.

*Efficient Robust Estimation via Two-Stage Generalized Empirical Likelihood*

Texas A&M University, October 2011.

*Measurement Error Models for Variance Predictors :*

University of Washington (Biostatistics), February 2011.

University of North Carolina (Biostatistics), March 2010.

Yale University (Biostatistics), November 2009;

Rutgers University, November 2009.

*Contributions to the Theory, Practice and Teaching of Variable Selection Methods :*

Iowa State University, April 2008;

University of Missouri (Department Seminar, University Lecture Series, Mid-Missouri Chapter of ASA), February 2008;

University of South Carolina, November 2007;

University of Connecticut, April 2007;

University of Massachusetts, April 2007.

*Two New Approaches to Variable Selection :*

NC State, September 2006;

Virginia Tech, March 2006;

Penn State, October 2005;

UNC Chapel Hill, March 2005.

*Regression and Deconvolution with Heteroscedastic Measurement Error*, May 2005, Bureau of labor Statistics, Federal Committee on Statistical Methodology.*Remeasurement and Corrected-Score Methods for Statistical Inference in the Presence of Measurement Error*, November 2002, University of Rochester.*Monte Carlo Estimation of  $\{\sin(\mu)/\mu\}^{2k}$  and Other Similar Estimands with Applications*, October 2002, University of North Carolina Chapel Hill.*Measurement Error and Statistical Inference*, Graduate Colloquium Program Seminar, Northern Illinois University, October 1997.*Introduction to the Problems and Methods of Statistical Inference in the Presence of Measurement Error*, Abbott Labs, Chicago, October 1997.*Remeasurement methods: A general Strategy for Assessing the Effects of measurement Error on Complicated Statistics*, Department of Statistics, Northern Illinois University, October 1997.*Computer Intensive Methods in Measurement Error Models*, Department of Biostatistics, University of Michigan, March 1996.*Simulation-Extrapolation: The Measurement Error Jackknife:*

University of Texas, April 1995;

Rice University, April 1995;

University North Carolina, January 1995.



*Simulation-Extrapolation Estimation in Measurement Error Models:*

North Carolina State University, March 1993;

Virginia Polytechnic Institute, January 1993;

Oregon State University, September 1992;

University of Tennessee, September 1992.

*Deconvoluting Kernel Density Estimators*, Department of Mathematics, North Carolina State University, November 1992.

*Deconvoluting Kernel Density Estimators*, Department of Statistics, North Carolina State University, March 1992.

*On the Alternative Representation of the Kolmogorov-Smirnov Distribution*, Department of Mathematics, North Carolina State University, February 1991.

*Linear and Nonlinear Measurement Error Models*, North Carolina Chapter of ASA, March 1991.

*A Problem in Statistical Modeling Numerical Analysis and Probability*, Department of Mathematics, University of North Carolina, Charlotte, March 1991.

*Measurement Error in Generalized Linear Models*, Department of Biostatistics, The Johns Hopkins University, February 1989.

*Measurement Error in Generalized Linear Model Explanatory Variables*, Department of Statistics, University of South Carolina, October 1988.

*Errors-in-Variables: Models and Methods*, (a series of three lectures) School of Public Health, Harvard University, July 1988.

*Covariate Measurement Error in Generalized Linear Models*, School of Public Health, Harvard University, June 1988.

*Influence and Measurement Error in Logistic Regression Models*, Bowman Gray School of Medicine, Wake Forest University, November 1983.

**GRADUATE STUDENTS**

Jirapat Samranvedhya - Ph.D. Candidate, **In progress, anticipated 2018**, North Carolina State University.

Bradley Ferguson - Ph.D. Candidate, **In progress, anticipated 2017**, North Carolina State University (E. Laber Co-adviser).

Wenhao Hu - Ph.D. Candidate, **In progress, anticipated 2017**, North Carolina State University (E. Laber Co-adviser).

Kyle White - Ph.D. Candidate, **In progress, anticipated 2017**, North Carolina State University (Y. Wu co-adviser).

Alana Unfried - Ph.D. Thesis, *Variable Selection in Factor Analysis*. 2016, North Carolina State University (D. Boos Co-adviser).

- Quangning Xu - Ph.D. Thesis, *Variable Selection in Measurement Error Models*. 2014, North Carolina State University.
- Kasturi Talapatra - Ph.D. Thesis, *Space-Filling Exploratory Experimental Design*. 2014, North Carolina State University (E. Laber co-adviser).
- Kristin Linn - Ph.D. Thesis, *Interactive Model Building Techniques for Non-smooth Functionals in Dynamic Treatment Regimes*. 2014, North Carolina State University (E. Laber co-adviser).
- Eric Reyes - Ph.D. Thesis, *Complete Least Squares: A New Variable Screening and Selection Method* 2011, North Carolina State University (D. Boos co-adviser).
- Jiangtao Duan - Ph.D. Thesis, *Bootstrap-Based Variance Estimators for a Bagging Predictor*, 2011, North Carolina State University (D. Boos co-adviser).
- Laine E. Thomas - Ph.D. Thesis, *Adjusting for Measurement Error*, 2009, North Carolina State University (M. Davidian co-adviser).
- David Schumann - Ph.D. Thesis, *Robust Variable Selection*, 2009, North Carolina State University (D. Boos co-adviser).
- Benjamin Ogorek - Ph.D Thesis, *Orthology-Based Multilevel Modeling of Differentially Expressed Mouse and Human Gene Pairs*, 2008, North Carolina State University.
- Hugh Crews - Ph.D Thesis, *Fast FSR Methods for Second-Order Linear Regression Models*, 2008, North Carolina State University (D. Boos co-adviser).
- Clay Barker - Ph.D. Thesis, *The Orthogonal Interactions Model for Unreplicated Factorial Experiments*, 2006, North Carolina State University (J. Osborne co-adviser)
- Julius Dasah - Ph.D. Thesis, *Estimating the Number of Clusters in Cluster Analysis*, 2006, North Carolina State University (D. Boos co-adviser).
- Yun Chen - Ph.D. Thesis, *False Selection Rate Variable Selection in Cox Proportional Hazards Models*, 2006, North Carolina State University (D. Boos co-adviser).
- Xianzheng Huang - Ph.D. Thesis, *Robustness in Latent Variable Models*, 2006, North Carolina State University (M. Davidian co-adviser).
- Qiong Wang - Ph.D. Thesis, *Robust Estimation via Measurement Error Modeling*, 2005, North Carolina State University (M. Genton co-adviser).
- Yujun Wu - Ph.D. Thesis, *Controlling Variable Selection By the Addition of Pseudo Variables*, 2004, North Carolina State University (D. Boos co-adviser).
- Ross Gosky - Ph.D. Thesis, *Bayesian Analysis and Matching Errors in Closed Population Capture Recapture Models*, 2004, North Carolina State University (S. Ghosh co-adviser).
- Julie P. McIntyre - Ph.D. Thesis, *Density Deconvolution with Replicate Measurements and Auxiliary Data*, 2003, North Carolina State University.
- Jiuzhou Wang - Ph.D. Thesis, *Tree Structured Classification for Multivariate Responses*,

- 2002, North Carolina State University (M. Genton co-adviser).
- Xiaohui Luo - Ph.D. Thesis, *Tuning Variable Selection Procedures and Score Tests for Dose Effect in the Presence of Nonresponders*, 2002, North Carolina State University (D. Boos co-adviser).
- Buffy Hudson-Curtis - Ph.D. Thesis, *Generalizations of the Multivariate Logistic Distribution with Applications to Monte Carlo Importance Sampling*, 2001, North Carolina State University (J. Monahan co-adviser).
- Rukiye Dagalp - Ph.D. Thesis, *Estimators for Generalized Linear Measurement Error Models with Interaction Terms*, 2001, North Carolina State University.
- Steven Novick - Ph.D. Thesis, *Finding Corrected Score Functions when Predictor Variables are Measured with Error*, 2000, North Carolina State University.
- Erin Blankenship - Ph.D. Thesis, *Statistical Methods for Constructing Ozone Exposure Metrics*, 1999, North Carolina State University.
- Gyeongbae Jeon - Ph.D. Thesis, *Latent Variable Fit to Interlaboratory Studies*, 1999, North Carolina State University.
- Jeffrey M. Bay - Ph.D. Thesis, *Adjusting Data for Measurement Error*, 1997, North Carolina State University.
- Viswanath Devanaryan - Ph.D. Thesis, *Simulation Extrapolation in Measurement Error Problems With Replicate Measurements*, 1996, North Carolina State University.
- Cathleen F. Barrows - Ph.D. Thesis, *Two-Sample Inference Problems When Data are Measured With Error*, 1996, North Carolina State University.
- Heungsun Park - Ph.D. Thesis, *Minimum Squared Relative Error Prediction*, 1994, North Carolina State University.
- Jeffrey Sandor Buzas - Ph.D. Thesis, *Instrumental Variable Estimation in Generalized Linear Measurement Error Models*, 1993, North Carolina State University.
- John Robert Cook - Ph.D. Thesis, *Estimators for the Errors-in-Variables Problem in the Ordered Categorical Regression Model*, 1989, North Carolina State University.
- Catherine Marie Loria - M.S. Thesis, *Approximate PRESS Residuals and Statistics for Logistic Regression*, 1986, Cornell University.