Antonio Linero

Assistant Professor of Statistics

Tallahassee
Florida
✉ arlinero@stat.fsu.edu
🖥 ani.stat.fsu.edu/~arlinero
February 8, 2018

Professional Experience

August 2015–Present **Assistant Professor**, *Florida State University*, Department of Statistics.

Education

2010–2015 **PhD, Statistics**, *University of Florida*.
Dissertation — *Nonparametric Bayes: Inference Under Nonignorable Missingness and Model Selection*

2005–2009 **BS, Finance**, *University of Florida*.
Minor—Statistics

External Funding

2017–2020 *Leveraging Structural Information in Decision Tree Ensembles* (PI). Funded by the National Science Foundation (NSF-DMS 1712870). Total award $100,000.

2016–2018 *Functional Analysis Tools (FATs)* (Co-PI). Funded by Department of Defense (SOT-FSU-FATs-16-06). Total award $327,000.

Awards

Spring 2016 **First Year Assistant Professor Award**, *Florida State University*.
Funding for summer research work.

Spring 2015 **CLAS Dissertation Fellowship**, *University of Florida*.
Funding for writing of PhD dissertation.

2014 **Statistics Faculty Award**, *University of Florida*.
Awarded to "the best graduating PhD student" in the Department of Statistics.

2014 **Laplace Award**, awarded by the International Society for Bayesian Analysis and the Section of Bayesian Statistical Science of the American Statistical Association.
For best Bayesian student paper.

2014 **Student Travel Award**, awarded by the Section of Bayesian Statistical Science.
To attend the Joint Statistical Meeting.

Fall 2010–Spring 2011 **Mendenhall Fellow**, *University of Florida*.
Fellowship awarded to top incoming students.

Fall 2010–Spring 2013 **Grinter Fellow**, *University of Florida*.
Research and graduate program fellowship.

Publications in review

Varbanov, R., Chicken, E., **Linero, A.R.**, and Yang, Y. (2018) A Bayesian Approach to Sequential Monitoring of Nonlinear Profiles Using Wavelets. Submitted.

Linero, A.R. and Yang, Y. (2017) Bayesian Regression Tree Ensembles that Adapt to Smoothness and Sparsity. Submitted.

Publications in press

Linero, A.R. and Bradley, J.R (2017) Multi-rubric Models for Ordinal Spatial Data with Application to Online Ratings. *Annals of Applied Statistics.* To appear.

Linero, A.R. (2017) A Review of Tree-Based Bayesian Methods. *Communications for Statistical Applications and Methods.* To appear.

Linero, A.R. and Daniels, M.J. (2017) Bayesian Approaches for Missing Not at Random Outcome Data: The Role of Identifying Restrictions. *Statistical Science.* To appear.

Varbanov, R., Chicken, E., and **Linero, A.R.** (2017) Wavelet-Based Bayesian Profile Monitoring. *Proceedings of the 2017 Industrial and Systems Engineering Research Conference.*

Linero, A.R. (2017) Bayesian Nonparametric Analysis of Longitudinal Studies in the Presence of Informative Missingness. *Biometrika,* **104**(2): 371–341

Linero, A.R. (2016) Bayesian regression trees for high dimensional prediction and variable selection. *Journal of the American Statistical Association.* To appear.

Piekarewicz, J., **Linero, A.R.**, Giuliani, P., and Chicken, E. (2016) The power of two: Assessing the impact of a second measurement of the weak-charge form factor of ^{208}Pb. *Physical Reviews C,* **94**(3), 034316.

Daniels, M.J. and **Linero, A.R.** (2015) Bayesian nonparametrics for missing data in longitudinal clinical trials. In *Nonparametric Bayesian Inference in Biostatistics.*

Linero, A.R. and Daniels, M.J. (2015) A flexible Bayesian approach to monotone missing data in longitudinal studies with nonignorable missingness with application to an acute schizophrenia clinical trial. *Journal of the American Statistical Association,* **110**(509), 45–55.

Linero, A.R and Rosalsky, A. (2013) On the Toeplitz lemma, convergence in probability, and mean convergence. *Stochastic Analysis and Applications,* **31**(4), 684-694.

Presentations

Invited

2017	**Joint Statistical Meeting**, *Sensitivity Analysis for Longitudinal Clinical Trials with Nonmonotone Missingness.*
07/17/2017	**EcoSta**, *Bayesian regression trees for high-dimensional prediction and variable selection.*
12/10/2016	**CM Statistics**, *Bayesian Nonparametric Analysis of Longitudinal Studies with Informative Missingness.*

9/29/2016 **University of Florida Statistics Symposium**, *Bayesian Regression Trees for High Dimensional Prediction and Variable Selection.*

6/12/2016 **ICSA Applied Statistics Symposium**, *Bayesian Regression Trees for High Dimensional Prediction and Variable Selection.*

2/11/2015 **University of California at Irvine**, *Flexible Bayesian Analysis in the Presence of Nonignorable Missingness.*

2/09/2015 **Texas A&M University**, *Flexible Bayesian Analysis in the Presence of Nonignorable Missingness.*

1/28/2015 **University of Illinois at Urbana-Champaign**, *Flexible Bayesian Analysis in the Presence of Nonignorable Missingness.*

1/20/2015 **Arizona State University**, *Flexible Bayesian Analysis in the Presence of Nonignorable Missingness.*

1/12/2015 **Florida State University**, *Flexible Bayesian Analysis in the Presence of Nonignorable Missingness.*

Contributed

2014 **Joint Statistical Meeting**, *A Flexible Bayesian Approach to Monotone Missing Data in Longitudinal Studies with Informative Dropout with Application to a Schizophrenia Clinical Trial.*

Service

Referee, Annals of Applied Statistics, Biometrics, Biometrika, Journal of the American Statistical Association, Journal of Computational and Graphical Statistics, Journal of Epidemiology, Journal of the Korean Statistical Society, Journal of Statistical Distributions and Applications, PLOS One, Psychological Methods, Sankhya Series A, Statistica Sinica, Statistical Methods in Medical Research, Statistical Science, Statistics in Medicine .

2016 **CM Statistics**, Chair of session "Bayesian Methods for Dependent Data".

2014 **ENAR Spring Meeting**, Chair of session "Innovative Bayesian Nonparametrics in Biostatistics".

Teaching

At Florida State University

STA4442 Introduction to Probability. Fall 2015, Spring 2017, Spring 2018

STA5168 Statistics in Applications 3. Fall 2016, Fall 2017

STA3032 Engineering Statistics. Spring 2016

At University of Florida

STA4321 Introduction to Probability. Spring 2013

Technical Skills

Languages & Software R, BUGS/JAGS/STAN, C++, Python, LATEX, Matlab/Octave, Julia, Linux/Windows/OSX