

Antonio Linero

Assistant Professor of Statistics

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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

2018–2022 *The Science of Test* (Co-PI). Funded by Department of Defense (extension of SOT-FSU-FATs-16-06). Total award \$478,000.

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* (Co-PI). Funded by Department of Defense (SOT-FSU-FATs-16-06). Total award \$176,000.

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.

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. Major revision requested by *Journal of the Royal Statistical Association, Series B*.

Publications in press

Linero, A.R. and Daniels, M.J. (2018) Bayesian Approaches for Missing Not at Random Outcome Data: The Role of Identifying Restrictions. *Statistical Science*, **33**(2), 198–213.

Linero, A.R. (2018) Bayesian regression trees for high dimensional prediction and variable selection. *Journal of the American Statistical Association*.

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*, **24**(6), 543–559.

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

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.

Service

2018 – 2020 **Associate Editor**, Biometrics.

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 .

Teaching

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

STA5168 Statistics in Applications 3. Fall 2016, 2017, 2018

STA3032 Engineering Statistics. Spring 2016