

PUBLICATIONS

Fernando A. Quintana

Books

1. Müller, P., Quintana, F.A., Jara, A. and Hanson, T. (2015). “Nonparametric Bayesian Data Analysis” Springer Series in Statistics, Springer.

Papers, Book Chapters and Discussions

85. Guglielmi, A., and Ieva, F., and Paganoni, A.M., and Quintana, F.A. “A semiparametric Bayesian joint model for multiple mixed-type outcomes: an Application to Acute Myocardial Infarction”. To appear in *Advances in Data Analysis and Classification*.
84. Barrientos, A. F., and Jara, A., and Quintana, F. A. (2017) “Fully nonparametric regression for bounded data using dependent Bernstein polynomials”. *Journal of the American Statistical Association*, **112(518)**, 806–825.
83. Murua, A. and Quintana, F. A. (2017). “Semiparametric Bayesian Regression Via Potts Model”. *Journal of Computational and Graphical Statistics*, **26(2)**, 265–274.
82. Jo, S., and Lee, J., and Müller, P., and Quintana, F. A., and Trippa, L. (2017). “Dependent Species Sampling Models for Spatial Density Estimation”. *Bayesian Analysis*, **12(2)**, 379–406.
81. Quintana, F. A., and Johnson, W. O. and Waetjen, E. and Gold, E. (2016). “Bayesian Nonparametric Longitudinal Data Analysis”. *Journal of the American Statistical Association*, **111(515)**, 1168–1181.
80. Nieto-Barajas, L. E. and Quintana, F. A. (2016). “A Bayesian Nonparametric Dynamic AR Model for Multiple Time Series Analysis”. *Journal of Time Series Analysis*, **37**, 675–689.
79. Leiva-Yamaguchi, V. and Quintana, F. A. (2016). “A Semiparametric Bayesian Model for Multiple Monotonically Increasing Count Sequences”. *Brazilian Journal of Probability and Statistics*, **30(2)**, 155–170.
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74. Page, G. L., and Quintana, F. A. (2015) “Predictions Based on the Clustering of Heterogeneous Functions via Shape and Subject-Specific Covariates”. *Bayesian Analysis*, **10**(2), 379–410.
73. González, J. and Barrientos, A. F. and Quintana, F. A. (2015) “Bayesian Nonparametric Estimation of Test Equating Functions with Covariates”. *Computational Statistics & Data Analysis*, **89**, 222–244.
72. González, J. and Barrientos, A. F. and Quintana, F. A. (2015) “A Dependent Bayesian Nonparametric Model for Test Equating”, in *Quantitative Psychology Research. Presentations from the 78th Annual Psychometric Society Meeting*. Millsap, R.E., Bolt, D.M., van der Ark, L.A., Wang, W.-C. (Eds.) Series: Springer Proceedings in Mathematics & Statistics, Vol. 89, 213–226.
71. Rodríguez, A., and Quintana, F. A. (2015) “On species sampling sequences induced by residual allocation models”. *Journal of Statistical Planning and Inference*, **157–158**, 108–120.
70. Müller, P. and Quintana, F. A. (2014) Discussion on “A Bayesian Nonparametric Modeling Framework for Developmental Toxicity Studies” by Kassandra Fronczyk and Athanasios Kottas. *Journal of the American Statistical Association*, **109**(507), 889–889.
69. Müller, P., and Quintana, F. A., and Rosner, G. L., and Maitland, Michael L. (2014) “Bayesian Inference for Longitudinal Data with Nonparametric Treatment Effects”. *Biostatistics*, **15**(2), 341–352.
68. Gutiérrez, L., and Quintana, F. A. (2014) “Optimal Information in Authentication of Food and Beverages”. *Statistical Modelling International Journal*, **14**(2), 179–204.
67. Jara, A., and Nieto-Barajas, L. and Quintana, F. A. (2013) “A time series model for responses on the unit interval”. *Bayesian Analysis*, **8**(3), 723–740.
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41. Navarrete, C. and Quintana, F. A., and Müller, P. (2008). “Some Issues on Nonparametric Bayesian Modeling Using Species Sampling Models”. *Statistical Modelling International Journal*, **8**(1), 3–21.
40. De la Cruz-Mesía, R. and Quintana, F. A. and Marshall, G. (2008) “Model Based Clustering for Longitudinal Data”. *Computational Statistics & Data Analysis*, **52**(3), 1441–1457.
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Work submitted to publication and still under Review

5. Quinlan, J.J. and Quintana, F.A. and Page, G.L. “Density Regression using Repulsive Distributions”.
4. Bianchini, I. and Guglielmi, A. and Quintana, F. “Determinantal point process mixtures via spectral density approach”.
3. Müller, P. and Quintana, F.A. and Page, G.L. “Nonparametric Bayesian Inference in Applications”.
2. Page, G.L. and Quintana, F.A. “Calibrating Covariate Informed Product Partition Models”.
1. Quinlan, J.J. and Quintana, F.A. and Page, G.L. “Parsimonious Hierarchical Modeling Using Repulsive Distributions”.