

**PERSONAL INFORMATION**

Name Josep Ginebra  
Position Full Professor, Universitat Politècnica de Catalunya  
Research Interests: Statistical foundations; Bayesian data analysis; Ecological inference; Models for discrete data; Spatial statistics; Stylometry; Analysis of election results; Sequential design of experiments  
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**EDUCATION & TRAINING**

07/1993 PhD in Statistics, University of Wisconsin, Madison  
01/1987 BSc, Industrial Engineering, Universitat Politècnica de Catalunya

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**TEACHING & SUPERVISION**

1993-Present Courses on statistical modeling, applied statistics, Bayesian data analysis, data science, design of experiments, mathematical statistics and probability to engineering, mathematics, computer science and data science students at UPC and at the University of Wisconsin-Madison.  
2000-Present Supervised 8 PhD thesis and +40 undergraduate and master thesis

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**RESPONSIBILITIES**

09/2012-10/2020 Head of the Dep. of Statistics and Operations Research of UPC  
07/2008-08/2010 Head of the PhD Progr. in Statistics and Operations Research of UPC

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**SELECTED PUBLICATIONS**

- 2021 Puig, X., Ginebra, J. Bayesian spatio-temporal model for life expectancy mapping; Changes in Barcelona 2007 to 2018. *Geographical Analysis*,
- 2020 Puig, X., Ginebra, J. Mapping vote transition in the 2012 outset of the Catalan push for independence. *Scottish Geogr. Journal*, 136, 123-139
- 2019 Puig, X., Ginebra, J., Graffelman, J. Bayesian model selection for the study of Hardy-Weinberg proportions and homogeneity of gender allele frequencies. *Heredity*, 123, 549-564
- 2018 Puig, X., Ginebra, J. Outlier detection for multivariate categorical data. *Quality and Reliability Engineering International*, 34, 1400-1412
- 2017 Jiménez, J., Ginebra, J. pyGPGO: Bayesian Optimization for Python. *Journal of Open Source Software*, 2(19), 431

- Puig, X., Ginebra, J., Graffelman, J. A Bayesian test for Hardy-Weinberg equilibrium of bi-allelic X-chromosomal markers. *Heredity*, 119, 226-236
- 2016 Puig, X., Ginebra, J. A unified approach to authorship attribution and verification. *The American Statistician*, 70, 232-242
- Valero, J., Perez-Casany, M., Ginebra, J. On left truncating and mixing Poisson distributions. *Communications in Statistics. Theory and Methods*, 45, 1424-1434
- 2015 Puig, X., Font, M., Ginebra, J. Classification of literary style that takes order into consideration. *Journal of Quantitative Linguistics*, 22, 177-201
- Puig, X., Ginebra, J. Ecological inference and spatial variation of individual behavior. *Geographical Analysis*, 47, 262-283
- 2014 Puig, X., Ginebra, J. A cluster analysis of vote transitions. *Computational Statistics and Data Analysis*, 70, 328-344
- Perez-Casany, M., Ginebra, J., Valero, J. On recovering a mixed-Poisson distribution from its left truncated version. *Statistics and Probability Letters*, 92, 89-94
- Puig, X., Ginebra, J. A Bayesian cluster analysis of election results. *Journal of Applied Statistics*, 41, 73-94
- 2013 Font, M., Puig, X., Ginebra, J. Bayesian analysis of frequency count data. *Journal of Statistical Computation and Simulation*, 83, 229-246
- Valero, J., Perez-Casany, M., Ginebra, J. On Poisson-stopped-sums that are mixed Poisson. *Statistics and Probability Letters*, 83, 1830-1834
- 2012 Valero, J., Ginebra, J., Perez-Casany, M. Extended truncated Tweedie-Poisson model. *Methodology and Computing in Applied Probability*, 14, 811-829
- 2010 Valero, J., Perez-Casany, M., Ginebra, J. On zero-truncating and mixing Poisson distributions. *Advances in Applied Probability*, 42, 1013-1027
- Ginebra, J., Puig, X. On the measure and estimation of evenness and diversity. *Computational Statistics and Data Analysis*, 54, 2187-2201.
- Puig, X., Ginebra, J., Font, M. Sichel model and the mixing and truncation order. *Journal of Applied Statistics*, 37, 1585-1603

- 2009 Puig, X., Ginebra, J., Perez-Casany, M. Extended truncated inverse Gaussian-Poisson model. *Statistical Modelling*, 9, 151-171
- 2008 Dorta-Guerra, R., González-Dávila, E., Ginebra, J. Two-level experiments for binary response. *Computational Stat. and Data Analysis*, 53, 196-208
- 2007 Ginebra, J. On the measure of the information in a statistical experiment. *Bayesian Analysis*, 2, 167-212
- González-Dávila, E., Dorta-Guerra, R., Ginebra, J. Simulation based designs for multiperiod control. *Computational Statistics and Data Analysis*, 51, 6624-6641
- 2006 Riba, A., Ginebra, J. Diversity of vocabulary and homogeneity of literary style. *Journal of Applied Statistics*, 33, 729-741
- 2005 Giron, J., Ginebra, J., Riba, A. Bayesian analysis of a multinomial sequence and homogeneity of literary style. *The American Statistician*, 59, 19-30
- Riba, A., Ginebra, J. Change-point estimation in a multinomial sequence and homogeneity of literary style. *Journal of Applied Statistics*, 32, 61-74
- 2003 Goel, P.K., Ginebra, J. When is an experiment always better than another? *Journal of the Royal Statistical Society, Series D*, 52, 515-537
- 2001 Gonzalez-Davila, E., Ginebra, J. Bayesian heuristics for multiperiod control. *Journal of the American Statistical Association*, 96, 1113-1121
- 1999 Ginebra, J., Clayton, M.K. Small sample performance of Bernoulli two-armed bandit Bayesian strategies. *Journal of Statistical Planning and Inference*, 79, 107-122
- 1998 Ginebra, J., Sen, A. Minimax approach to accelerated life tests. *I.E.E.E. Transactions on Reliability*, 47, 261-267
- 1997 Ginebra, J., Clayton, M.K. On a theorem of Kelley. *Journal of Statistical Planning and Inference*, 65, 191-201
- 1995 Ginebra, J., Clayton, M.K. The response surface bandit. *Journal of the Royal Statistical Society, Series B*, 57, 771-784
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