Short CV with publications

PERSONAL DATA

Name: **Andrea Ongaro**
Birth date and place: 31 May 1963, Venice (Italy)
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    -Bicocca, via Bicocca degli Arcimboldi 8, 20126, Milano, Italy
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EDUCATION

Laurea (M. Sc.) in Statistical and economic sciences (1988), University of Padova, Italy

Ph. D. in Statistics (1992), University of Padova, Italy

ACADEMIC   RECORD

1989-1992: stay as Ph.D. student at the Department of Theoretical Statistics, Aarhus University,
    Denmark
1993-2000: Assistant Professor (Ricercatore) of Statistics, Department of Statistical Sciences,
    University of Padova, Italy
2000-2005: Associate Professor of Statistics, Department of Statistics, University of Milano-
    Bicocca, Italy
2005- 2012: Professor of Statistics, Department of Statistics, University of Milano-Bicocca, Italy
2012-present: Professor of Statistics, Department of Economics, Quantitative Methods and
    Management, University of Milano-Bicocca, Italy

TEACHING EXPERIENCE

Over the years I have been involved in several courses in the areas of inferential statistics and probability, mainly taught at Faculties of Statistics, both at an undergraduate and graduate (Ph.D.) level.

OTHER ACTIVITIES

Deputy director of the Department of Economics, Quantitative Methods and Management, University of Milano-Bicocca.

Coordinator of the curriculum "Statistics" of the Ph.D. in Statistics and Mathematical Finance, University of Milano-Bicocca.

Member of the Scientific Board of the Milan Center for Neuroscience.

MAIN RECENT RESEARCH INTERESTS

Nonparametric Bayesian statistics, Compositional data, Mixture models, Statistical assessment of practical significance.

RECENT SELECTED PAPERS
(in reverse chronological order)

Migliorati, S, Di Brisco, A; Ongaro, A . 2017." A New Regression Model for Bounded Responses",
Bayesian Analysis, DOI:10.1214/17-BA1079

Migliorati, S., Ongaro, A., Monti, G. 2016. "A structured Dirichlet mixture model for compositional
data: inferential and applicative issues" Statistics and Computing, vol. 27 (4), .pp.963-983.

Bissiri, P., Ongaro, A., (2014). "On the topological support of species sampling priors", Electronic
Journal of Statistics, 8, 861-882.

Bissiri, P., Ongaro, A., Walker S., (2013). "Species sampling models: consistency for the number of
species", Biometrika, 100(3), 771-777.

Ongaro, A., Migliorati, S. (2013). "A generalization of the Dirichlet distribution", Journal of
Multivariate Analysis, 114, 412-426.

Hjort N.L., Ongaro A. (2006). "On the distribution of random Dirichlet jumps", Metron, vol.LXIV,
pp. 61-92.

Ongaro, A. (2005). "Size-biased sampling and discrete nonparametric Bayesian inference", Journal
of Statistical Planning and Inference, vol. 128/1, pp. 123-148.

Hjort, N.L., Ongaro, A. (2005). "Exact inference for random Dirichlet means", Statistical Inference
for Stochastic Processes, vol.8, pp. 227-254.

Ongaro A., Cattaneo C. (2005). "Discrete random probability measures: a general framework for
Bayesian inference". Statistics and Probability Letters, vol. 67, pp. 33-45.

RECENT CONFERENCE PROCEEDINGS, BOOK CHAPTERS AND OTHER
PUBLICATIONS

(2017) Ascari, R., Migliorati, S., & Ongaro, A." The Extended Flexible Dirichlet model: a simulation
study". In Proceedings of the 17th Applied Stochastic Models and Data Analysis International
Conference with the 6th Demographics Workshop.

(2017) Migliorati, S., Di Brisco, A., & Ongaro, A. " The Flexible Beta Regression Model". In
Proceedings of the 17th Applied Stochastic Models and Data Analysis International Conference with
the 6th Demographics Workshop.

(2017) Ascari, R., Migliorati, S., & Ongaro, A. (2017). "A special Dirichlet mixture model in a
Bayesian perspective". In Cladag 2017 Book of Short Papers (pp.1-6). CLADAG Scientific Meeting
of the CLAssification and Data Analysis Group of SIS, Universitas Studiorum.

(2015) Ongaro, A; Migliorati, S . "A Dirichlet Mixture Model for Compositions Allowing for Dependence on the Size" pp. 101-112. In Advances in Latent Variables, ISBN 978-3-319-02966-5. Springer

(2015) Ongaro, A., & Orsi, C. Some results on non-central beta distributions. STATISTICA, 75(1), 85-100.

(2015) Migliorati, S., & Ongaro, A. Inferential issues in the Extended Flexible Dirichlet model. In ASMDA 2015 Proceedings (pp.665-678). Skiadas, CH. Published by ISAST: international Society for the Advancement of Science and Technology.

(2014) Ongaro A., Migliorati S. A Dirichlet Mixture Model for Compositions Allowing for Dependence on the Size. In: Advances in Latent Variables: Methods, Models and Applications, Springer

(2014) Ongaro A, Orsi C . On Non-central Beta distributions. In: 47th Scientific Meeting of the Italian Statistical Society - Proceedings. CAGLIARI:CUEC

(2013) Ongaro A, Migliorati S . A new mixture model for composition and size. In: Advances in Latent Variables. Milan:Vita e Pensiero, Brescia.

(2013) Bissiri, P., Ongaro A., Walker S. "Species sampling models: estimate of the number of species" in Proceedings of 9th Conference on Bayesian Nonparametrics, Amsterdam, June 10-14.

(2012) Bissiri, P., Ongaro A., Walker S.   "Species sampling models: Consistency for the number of species" in   5th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computing & Statistics, Oviedo, Spain, 1-3 December 2012, invited talk

(2012) Migliorati, S., Monti, G.S., & Ongaro, A.   "Point and interval estimation for the Flexible Dirichlet model", in Proceedings of the 2nd Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA2012), Chania, Greece.

(2011) Ongaro, A., Migliorati, S., & Monti, G.S. "A new multivariate distribution as a basis for compositional data", in Proceedings of Applied Stochastic Models and Data Analysis *International Conference* (ASMDA 2011), Roma : Ets.

(2010) Migliorati, S., Monti, G.S., & Ongaro, A.   "The Flexible Dirichlet family: some inferential issues", in Proceedings of Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA2010), Chania, Greece.

(2010) Migliorati, S., & Ongaro, A. "Adjusting *p*-values when *n* is large in the presence of nuisance parameters", in C.H. Skiadas (edited by), Advances in data analysis. Boston : Birkhauser.

(2008) Ongaro, A., Migliorati, S., & Monti, G.S. A new distribution on the simplex containing the Dirichlet family. In Proceedings of CODAWORK'08, The 3rd Compositional Data Analysis Workshop, May 27-30, University of Girona.

(2008) Migliorati S, Monti G.S, Ongaro A. E-M algorithm: an application to a mixture-model for compositional data. In: Atti della XLIV Riunione Scientifica. University of Calabria, June 25-27

2008.

(2007) Migliorati, S., & Ongaro, A. (2007). Standard packages outputs when n is large: when and how should they be adjusted?. In ASMDA 2007 PROCEEDINGS.

(2005) Ongaro A. A new random re-labelling scheme for posterior calculations of symmetric prior processes. In Abstract of talks of the Fourth workshop on Bayesian inference in stochastic processes, June 2-4, 2005