

CV EUGENIO MELILLI

1. Degrees / Formazione

- Degree in Mathematics (*cum laude*), Università degli studi di Milano, 1990. Thesis: “The Ferguson-Dirichlet process in a finite additive setting with some statistical applications”.
- Fellowship at I.A.M.I. (Istituto per le applicazioni della Matematica e dell’Informatica), C.N.R., Milano, 1991.
- Summer School in Mathematics (class of Mathematical Statistics) organized by Scuola Matematica Interuniversitaria , Cortona, 1991.
- Summer School in Probability and Statistics organized by Università “L. Bocconi”, Livigno (SO), 1992 and 1993
- Fellowship at I.M.Q. (Istituto di Metodi Quantitativi), Università Luigi Bocconi, Milano, 1992-1995.

2. Previous employment positions / Esperienze professionali pregresse

- Assistant Professor (Ricercatore) in Statistics at I.M.Q., Università Luigi Bocconi, Milano, 1996-2005.
- Associate Professor of Statistics at Department of Decision Sciences, Università L. Bocconi, Milano, 2006-present.
- Teaching activity in Statistics at Libero Istituto Universitario “C. Cattaneo”, Castellanza (Va), 1993-present.
- Teaching activity in Applied Statistics at Lobachevsky State University in Nizhni Novgorod (Ru), 2000-2003.

3. Articles in refereed journals / Articoli in riviste con referaggio

- Bayesian Inference for Contingency Tables with given Marginals (joint with G. Petris). *Journal of the Italian Statistical Society*, 2, 1995.
- A Measure of Dispersion based on Prohorov's Metric. *Metron*, LIII, 1995.
- Non-Informative, Invariant and Improper Priors: some consequences of their use (joint with A. Guglielmi). *Atti della XXXVIII Riunione Scientifica della S.I.S.*, 1996.
- Contribution on F. P. Cantelli, in "Leading Personalities in Statistical Sciences: from Seventeenth Century to the present", Wiley, 1997. (Also published in "Encyclopedia of Statistical Sciences", Vol. 3, Update, Wiley, 1999).
- Non-Informative Invariant Priors Yield Peculiar Marginals (joint with A. Guglielmi). *Communications in Statistics: Theory and Methods*, 27, 1998.
- Some New Results for Dirichlet Priors (joint with D. M. Cifarelli). *The Annals of Statistics*, 28, 2000.
- Approximating de Finetti's Measures for Partially Exchangeable Sequences (joint with A. Guglielmi). *Statistics and Probability Letters*, 48, 2000.
- A bayesian approach to a problem of social mobility. *Proceeding of the International Workshop "Statistics in Social and Economic Applications"*, Nizhni Novgorod University, 2003.
- Some new results on random Dirichlet variances (with I. Epifani and A. Guglielmi). *Statistics and Probability Letters*, 76, 2006.
- Bayesian Inference for Lancaster Probabilities (with D.M. Cifarelli and R. Graziani). *Applied Mathematical Sciences*, 33, 2008.
- Moment Based Approximations for the law of Functionals of Dirichlet Processes (with I. Epifani and A. Guglielmi). *Applied Mathematical Sciences*, 20, 2009.
- Synthesis of Distributions through Sets: a unitary Approach. *Applied Math. Sciences*, 39, 2010.
- HPV mRNA E6/E7 expression, genotyping and cytology evolution in HIV-positive and negative (with Zanchetta N, Rimoldi MS, Casolati E, Orlando G, Agarossi A, Mazza F, Fasolo M, Melilli E, Pagani P, Pagano F, Pileri P, Berretta R, Antonacci C, Gismondo MR, Omodeo Zorini E). *International AIDS Society*, Roma, 2011.
- Maschi e femmine HPV positivi; distribuzione dei genotipi HPV e correlazione citologica, in tamponi (with Zanchetta N, Casolati E, Orlando G, Agarossi A, Mazza F, Fasolo M, Melilli E, Pagani P, Pagano F, Pileri P, Berretta R, Antonacci C, Gismondo MR, Omodeo Zorini E). *SIMaST*, Firenze, 2011.
- Stochastic population forecasts based on conditional expert opinions (with F. C. Billari and R. Graziani). *Journal of the Royal Statistical Society – Series A*, 175, 2012.
- Stochastic Population Forecasting Based on Combinations of Expert Evaluations within

the Bayesian Paradigm (with F.C. Billari and R. Graziani). *Demography*, 51, 2014.

- Fiducial and Confidence Distributions for Real Exponential Families (with P. Veronese). *Scandinavian Journal of Statistics*, 42, 2015.
- Fiducial, confidence and objective Bayesian posterior distributions for a multidimensional parameter (with P. Veronese). *Journal of Statistical Planning and Inference*, 195, 2018.
- Some Asymptotic Results for Fiducial and Confidence Distributions (with P. Veronese). *Statistics and Probability Letters*, 134, 2018.
- Confidence Distribution for the Ability Parameter of the Rasch Model (with P. Veronese). *Psychometrika*, 86, 2021.
- Confidence distributions and hypothesis testing (with P. Veronese). *Statistical Papers*, 2024

4. Articles in non-refereed journals / Articoli in riviste senza referaggio

- A note on degenerate exchangeable sequences (con A. Guglielmi). *Quaderno n.45/1994*, Dipartimento di matematica dell'Università degli Studi, Milano, 1994.
- Measuring Exchangeability in a Partially Exchangeable Sequence (con A. Guglielmi). *Quaderno 98.10*, Istituto per le Applicazioni della Matematica e dell'Informatica del C.N.R., Milano, 1998.

5. Major research grants / Finanziamenti di ricerca

- Member of the unit “Bocconi” of the project Murst “Metodologie per l’inferenza statistica”, 1993-1994.
- Member of the unit “Bocconi” of the project Murst “Modelli Statistici: basi probabilistiche e procedure per l’inferenza e le decisioni”, 1998-1999.
- Member of the international project “Statistics for Regional Needs: Structures and Programs” della Commissione Europea, joint with Nizhni Novgorod University (Ru) e Roskilde University (Dk), 2000-2003.

- Member of the unit “Bocconi” of the project Murst “Metodi bayesiani non parametrici e loro applicazioni”, 2002-2004.
- Member of the project PRIN: “Fecondità, genitorialità e benessere: corsi di vita, contesto e scenari per il futuro”, from 17/10/2011 to 17/10/2013 2009M2BRPB_001 area 13

6. Invited Lectures / Lezioni presso altre istituzioni

- Statistics and applied statistics, Faculty of Business and Entrepreneurship, Nizhni Novgorod University (Russia). 2001/2002, 2002/2003.
- Invited to write an entry of the “Encyclopedia of Statistical Sciences”.

7. Scientific Committee membership / Affiliazione a comitati e associazioni scientifiche

- Member of the Italian Society of Statistics.
- Reviewer for Mathematical Reviews and for many statistical journals.

8. Main Bocconi teaching activities / Principali impegni didattici in Bocconi

- Coordinator of the course in Quantitative Methods for the Degree in Economic and Social Sciences, 1999.
- Member of the Committee of the Degree in Economics and Management for Arts, Culture and Communication, 1999-2015.
- Advisor and co-advisor of various BSc and MSc students, 1998-present.
- Member of the faculty of the Ph. D. program in Statistics, 2002-present.
- Director and teacher of the course “Statistical Theory II” for the students of the Ph. D. program in Statistics, 2002-2021.
- Director and teacher of the course “Statistics” for the students of CLEACC, 2000-present.
- Director and teacher of the course “Data Analysis” for the students of AFC, 2010-present.

