

Maura Mezzetti

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Personal Details

Born: 14/08/1968, Milan, Italy. Italian citizenship.
Married, two children (2004, 2007).

Academic and research career

Current position since November 2004: Assistant Professor of Statistics, at the Faculty of Economics, Università degli Studi di Roma II, "Tor Vergata", Rome, Italy.

October 1999- October 2005 Assistant Professor of Statistics, at the Faculty of Economics, Università Bocconi, Milan, Italy.

September 1999- August 2001 Postdoctoral Associate at Biostatistics Department of Harvard School of Public Health, Boston, Ma, US.

January 1996- September 1999: Biostatistics research assistant at European Institute of Oncology, Milan, Italy.

Education

Ph.D. in Methodological Statistics, (Dottorato di Ricerca in Statistica) *July 1997*, Università degli Studi di Trento, Italy. Thesis advisor: Professor Consonni. Dissertation title: "Partitioning models for survival analysis, through a Bayesian nonparametric approach".

Laurea in Mathematics, *November 1992*, Università degli Studi di Milano, Italy, (marks: 109/110), discussing a thesis about Statistics, entitled "Estimation of parameters of particular models used in time series analysis". Thesis Advisor: Professor Regazzini. She worked for her thesis at the Department of Statistics at the University of East Anglia, Norwich, Great Britain; her stage there was supported by Erasmus program 1991/1992 for European Students.

Scientific High School Degree, *July 1987*, XI Liceo Scientifico Statale Elio Vittorini, Milan, Italy. (marks 56/60).

Prizes and fellowships

July 2005. Excellence in Research: Prize of Università Bocconi.

March 2004. Reduction of teaching duties Università "L. Bocconi", Milano.

Summer 1998. Visiting Professor at Biostatistics. Department of Dana Garber, Harvard Medical School, winner of a fellowship from Associazione Italiana Ricerca Cancro.

January 1993. Research fellowship from Associazione Italiana Ricerca Cancro for a year research at Istituto di Statistica Medica e Biometria dell'Università degli Studi di Milano.

January 1992. Visiting University of East Anglia, Norwich, UK, with Erasmus Fellowship.

Funded Projects

March 2005. Bocconi University Funded Research project entitled "Correlated Gamma process for Bayesian Mapping Disease".

March 2002. Bocconi University Funded Research project entitled "Bayesian Approach to factor analysis". March 2002 and July 2002 visiting Computer Science and Artificial

Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA.

February 2002. Participant, AIRC Funded Research Project "Influence of the modifiable risk factors on the individual probability of breast cancer developing", Coordinator: Prof. A. Decarli.

February 2001 and June 2001 -August 2001 Visiting Biostatistics Department of Harvard School of Public Health, Boston, Ma, US with post-doc fellows funded by National Institute of Environmental Health Sciences.

Novembre 2001 Participant, Italian Ministerial Interuniversity Project on "Statistical methods for Customer Satisfaction Evaluation ".

Summer 1996. Visiting Professor at Biostatistics Department of Harvard School of Public Health, Boston, Ma, US, funded AIRC Research Project.

November 1992- June 1995. Participant AIRC Funded Research project "Methodological aspect of study association diet and cancer", Coordinator: Prof. A. Decarli.

Teaching

Faculty of Economics, l'Università degli Studi di Roma II, "Tor Vergata"
Courses taught (by academic year):

2008/2009

Statistica (Statistics) Undergraduate Levels
Statistics. Master Levels, Master in European Economy and International Finance and
Master in Development Economics and International Co-operation
Categorical Data Analysis. Master Levels. Master in Economics.

2007/2008

Statistica (Statistics) Undergraduate Levels (Support course)
Statistics. Master Levels, Master in European Economy and International Finance and
Master in Development Economics and International Co-operation
Categorical Data Analysis. Master Levels. Master in Economics.
Statistical Methods. Graduate Levels

2006/2007

Statistica (Statistics) Undergraduate Levels (Support course)
Statistics. Master Levels, Master in European Economy and International Finance and
Master in Development Economics and International Co-operation
Categorical Data Analysis. Master Levels. Master in Economics.
Statistical Methods. Graduate Levels

2005/2006

Statistica (Statistics) Undergraduate Levels (Support course)
Statistics. Master Levels, Master in European Economy and International Finance and
Master in Development Economics and International Co-operation
Categorical Data Analysis. Master Levels. Master in Economics.

Faculty of Economics, l'Università "Bocconi", Milan.

2001/2005

Statistica (Statistics) Undergraduate Levels

2004/2005

Data Analysis: undergraduate level.
Multivariate Analysis: undergraduate level.

2002/2004

Data Analysis: undergraduate level (Support course)
Medica dell'Università di Milano, facoltà di Medicina e Chirurgia.

**Main
publications
from the last
five years**

- P. Giudici, **M. Mezzetti** and P. Muliere, Mixtures of products of Dirichlet processes for variable selection in survival analysis, *Journal of Statistical Planning and Inference* 111, 101-115 (2003).
- M. Mezzetti**, J. Ibrahim, F.Y. Bois, L.M. Ryan, L. Ngo and T.J. Smith, Bayesian Compartmental Model for Evaluation of 1,3 Butadiene Metabolism, *Journal of Royal Statistical Association, Series C*, 52, 3, 291-305 (2003).
- B.A. Coull, **M. Mezzetti**, and L.M. Ryan, A Bayesian hierarchical model for risk assessment of methylmercury. *Journal of Agricultural, Biological, and Environmental Statistics*, 8, 253-270 (2003).
- P. Boyle, **M. Mezzetti**, C. La Vecchia, S. Franceschi, A. Decarli and C. Robertson, Contribution of Three Components to Individual Cancer Risk Predicting Breast Cancer Risk in Italy, *European Journal of Cancer Prevention*, 3, 13, 183-191. (2004)
- M. Mezzetti** and F. Billari. Bayesian Correlated Factor Analysis of Socio-Demographic Indicators. *Statistical Methods and Application* 14, 223-241 (2005).
- M. Mezzetti**, F. Luscìa, L. Molteni. Graphical Models and Customer Satisfaction. *Italian Journal of Applied Statistics* 16,4,1-16, (2005).
- M. Mezzetti**, P. Muliere and P. Bulla An application of reinforced urn processes to determining maximum tolerated dose. *Statistics & Probability Letters*, 77, 7, 740-747, (2007).
- C. Valim, **M. Mezzetti**, J. Maquire, M. Urdaneta, D. Wypij. Estimation of vaccine efficacy in a repeated measures study under heterogeneity of exposure or susceptibility to infection. *Philosophical Transactions of The Royal Society A (Math Phys Eng Sci)* 366, 2347-2360 (2008).

**Other
Publications**

- G. Gasparini, N. Weidner, S. Maluta, F. Pozza, P. Boracchi, **M. Mezzetti** and P. Bevilacqua, Intratumoral microvessel Density and p-53 protein: Correlation with Metastasis in Head-and-Neck squamous-cell Carcinoma, *International Journal of Cancer*, 55, 739-744, (1993).
- G. Gasparini, P. Bevilacqua, P. Boracchi, S. Maluta, F. Pozza, M. Barbareschi, P. Dallapalma, **M. Mezzetti** and A. L. Harris, Prognostic value of p53 expression in early-stage breast carcinoma compared with tumor angiogenesis, epidermal growth factor receptor, c-erbB-2, cathepsin D, DNA ploidy, parameters of cell kinetics and conventional features, *International Journal of Oncology*, 4, 155-162, (1994).
- G. Gasparini, P. Boracchi, P. Bevilacqua, **M. Mezzetti**, F. Pozza and N. Weidner, A multiparametric study of the prognostic value epidermal growth factor receptor in operable breast carcinoma, *Breast Cancer Research and Treatment*, 29, 59-71, (1994).
- R. Silvestrini, S. Veneroni, M.G. Daidone, E. Benini, P. Boracchi, **M. Mezzetti**, G. DiFronzo, F. Rilke and U. Veronesi, The Bcl-2 Protein: a Prognostic Indicator Strongly Related to p53 Protein in Lymph Node-Negative Breast Cancer Patients, *Journal of National Cancer Institute*, 86, 7, 449-504, (1994).
- M. Mezzetti** and E. Marubini, Variance of crude cumulative incidence by the use of delta method, *Italian Journal of Applied Statistics*, 7, 1, 79-88, (1995).
- R. Silvestrini, M.G. Daidone, A. Luisi, P. Boracchi, **M. Mezzetti**, G. DiFronzo, S. Andreola, B. Salvadori and U. Veronesi, Biologic and Clinopathologic Factors as Indicators of Specific Relapse Types in Node-Negative Breast Cancer, *Journal of Clinical Oncology*, 13, 3, 697-704, (1995).
- C. La Vecchia, M. Ferraroni, **M. Mezzetti**, L. Enard, E. Negri, S. Franceschi and A. Decarli, Attributable risks for colorectal cancer in Northern Italy, *International Journal of Cancer*, 66, 60-64, (1996).
- M. Mezzetti**, M. Ferraroni, A. Decarli, C. La Vecchia and J. Benichou, Software for attributable risks and confidence intervals estimation in epidemiological studies, *Computers and Biomedical Research*, 29, 63-75, (1996).

- C. La Vecchia, M. Ferraroni, S. Franceschi, **M. Mezzetti**, A. Decarli and E. Negri, Fibres and breast cancer risk, *Nutrition and Cancer*, 28, 264-269, (1997).
- P. Giudici and **M. Mezzetti**, Nonparametric estimation of survival functions by means of partial exchangeability structures, *Test*, 7, 111-132, (1998).
- M. Mezzetti** and C. Robertson. Discussion on paper by de Angelis, Gilks and Day, Bayesian projection of the acquired immune deficiency syndrome epidemic, *Journal of Royal Statistics society, Series C* 47, 492 (1998).
- M. Mezzetti**, C. La Vecchia, A. Decarli, P. Boyle, R. Talamini and S. Franceschi, Attributable risks for breast cancer: diet, nutrition and physical exercise, *Journal of National Cancer Institute*, 90, 389-394, (1998)
- M. Sideri, L. Spinaci, F. Schettino, **M. Mezzetti**, C. Robertson, N. Spolti, R. Di Pace and P. Crosignani, Risk factors for high grade cervical intraepithelial neoplasia in patients with mild cytologic dyskaryosis: human papillomavirus testing versus multivariate tree analysis of demographic data, *Cancer Epidemiology Biomarkers Prevention*, 7, 237-241, (1998).
- Tavani, M. Ferraroni, **M. Mezzetti**, S. Franceschi, A. Lo Re and C. La Vecchia, Alcohol intake and risk of cancers of the colon and rectum, *Nutrition and Cancer* 30, 213-219 (1998).
- P. Autier, J-F. Dore, M.S. Cattaruzza, F. Renard, H. Luther, F. Gentiloni-Silverj, E. Zantedeschi, **M. Mezzetti**, I. Monjaud, M. Andry, J. Osborn, A.R. Grivegne, Sunscreen Use, Wearing Clothes, and Number of Nevi in 6- 7-Years-Old European Children, *Journal of National Cancer Institute*, 90, 1873-1880, (1998).
- M. Mezzetti** and C. Robertson, A hierarchical Bayesian approach to age-specific backcalculation of cancer incidence rates, *Statistics in Medicine*, 18, 919-933, (1999).
- M. Mezzetti** and P. Giudici, Monte Carlo methods for nonparametric survival model determination, *Journal of the Italian Statistical Society*, 8, 49-60, (1999).
- Tavani, **M. Mezzetti**, C. La Vecchia, M. Ferraroni and S. Franceschi. Influence of Selected Dietary and Lifestyle Risk factors on Familial Propensity to Breast Cancer. *Letter on Epidemiology* 10 (1), 96-98 (1999).
- Decarli, **M. Mezzetti**, C. La Vecchia, Population attributable risk for breast cancer: Diet, nutrition, and physical exercise – Response, *Journal of the National Cancer Institute*. 92, 844-845, (2000).
- B.A. Coull, **M. Mezzetti**, L. M. Ryan, Discussion on paper of F. Dominici, J.M. Samet, S.L Zeger, Combining evidence on air pollution and daily mortality from the 20 largest US cities: a hierarchical modelling strategy, *Journal of the Royal Statistical Society. Series A*. 163, 293-293, (2000)
- M. Preti, **M. Mezzetti**, C. Robertson, M. Sideri, Inter-observer variation in histopathological diagnosis and grading of vulvar intraepithelial neoplasia: results of an European collaborative study, *British Journal of Obstetrics and Gynaecology*, 107, 594-599 (2000)
- R. Torrisi, **M. Mezzetti**, H. Johansson, A. Barreca, F. Pigatto, C. Robertson and A. Decensi, Time course of fenretinide-induced modulation of circulating insulin-like growth factor (IGF)-I, IGF-II and IGFBP-3 in a bladder cancer chemoprevention trial, *International Journal of Cancer*, 87, 601-605, (2000).
- T.J. Smith, Y-S. Lin, **M. Mezzetti**, F.Y. Bois, K. Kelsey, J. Ibrahim, Genetic and Dietary Factors Affecting Human Metabolism of 1,3-Butadiene, *Chemical and Biological Interactions*. 2001, 135-136, 407-28. (2001).
- P. Boyle, **M. Mezzetti**, C. La Vecchia, S. Franceschi, A. Decarli and C. Robertson, Contribution of Three Components to Individual Cancer Risk Predicting Breast Cancer Risk in Italy, *European Journal of Cancer Prevention*, 3, 13, 183-191, (2004).