

# MAURA MEZZETTI

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## PERSONAL DETAILS

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DATE OF BIRTH: August 14<sup>th</sup> 1968, Milan, Italy  
MARITAL STATUS: Married, two children (2004, 2007)  
CITIZENSHIP: Italian  
ADDRESS: Via Columbia 2, 00133 Rome, Italy  
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## ACADEMIC AND RESEARCH CAREER

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DEC 2010-NOW *Associate Professor* of Statistics, Facoltà Economia,  
Università degli Studi di Roma II, “Tor Vergata” , Rome, Italy.  
NOV 2005-DEC 2010 *Assistant Professor* of Statistics, Facoltà Economia,  
Università degli Studi di Roma II, “Tor Vergata” , Rome, Italy.  
OCT 2000-OCT 2005 *Assistant Professor* of Statistics,  
Università “Luigi Bocconi,” Milan, Italy.  
SEP1999-AUG 2000 *Postdoctoral Associate* at Biostatistics Department,  
Harvard School of Public Health, Boston, Ma, US.  
JAN 1996-SEP 1999 *Biostatistics Research Assistant* at European Institute of Oncology, Milan, Italy.

## EDUCATION

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JULY 1997 *Ph.D in Methodological Statistics*, (Dottorato di Ricerca in Statistica)  
Università degli Studi di Trento, Italy  
Thesis advisor: Professor Consonni. Title: ”Partitioning models for survival analysis,  
through a Bayesian nonparametric approach”  
NOVEMBER 1992 *Laurea in Mathematics*, Università degli Studi di Milano, Italy, (marks: 109/110)  
Thesis Advisor: Professor Regazzini. Title: ”Estimation of parameters of particular  
models used in time series analysis”.  
JAN-JUN 1992 Erasmus Program at University of East Anglia, Norwich, UK.

## TEACHING

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UNIVERSITA’ “Tor Vergata”  
2013/2016 Statistics Graduate Level  
2008/2016 Statistica (Statistics), Undergraduate Levels  
2011/2014 Statistica per la ricerca sperimentale (Statistics in experimental research)  
Undergraduate Levels, School of Medicine  
2005/2010 Statistica (Statistics), Undergraduate Levels (Support course)  
Statistics, Master Levels  
Categorical Data Analysis. Master Levels  
Statistical Methods. Graduate Levels  
UNIVERSITA’ “Luigi Bocconi”  
2001/2005 Statistica (Statistics), Undergraduate Levels  
2003/2005 Data Analysis, undergraduate level  
Multivariate Analysis, undergraduate level.

## HONORS AND AWARDS

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- MAY 2014 Yamagiwa-Yoshida Memorial International Cancer Study Grants (YY) from UICC (Union International Cancer Control) for three-months mobility
- MAY 2012 International Cancer Technology Transfer Fellowships (ICRETT) from UICC (Union International Cancer Control) for short mobility
- JULY 2005 Excellence in Research from 'Università "L. Bocconi", Milano
- MARCH 2004 Reduction of teaching duty from l'Università "L. Bocconi", Milano
- MAY 1998 Fellowship from AIRC Associazione Italiana Ricerca Cancro, for short mobility
- JANUARY 1993 One year Fellowship from AIRC Associazione Italiana Ricerca Cancro
- JANUARY 1992 Fellowship Erasmus Exchange for six months studying at UEA, Norwich, UK

## VISITING

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- FEBRUARY-MAY 2015 Visiting fellow Department of Biostatistics, Harvard School of Public Health, US, funded from UICC (Union International Cancer Control)
- JULY-AUGUST 2012 Visiting fellow Department of Biostatistics, Harvard School of Public Health, US, funded from UICC (Union International Cancer Control)
- JULY 2011 Visiting Department of Statistics, British Columbia University, Vancouver, CA

## SELECTED PUBLICATIONS

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1. S. Leorato and M. Mezzetti Spatial Panel Data Model with Error Dependence: A Bayesian Separable Covariance Approach Bayesian Analysis *in press*
2. B. Cesqui, M. Mezzetti, F. Lacquaniti and A. d'Avella Gaze behavior in one-handed catching and its relation with interceptive performance: what the eyes can't tell. *Plos One* 10(3), e0119445 (2015)
3. L. Ventura and M. Mezzetti. Estimating cancer incidence using a Bayesian back-calculation approach. *Statistics in Medicine*, 33, 25, 4453-4468. (2014)
4. K. R. Yabroff, S. Francisci, A. Mariotto, M. Mezzetti, A. Gigli, and J. Lipscomb. Advancing Comparative Studies of Patterns of Care and Economic Outcomes in Cancer: Challenges and Opportunities. *J Natl Cancer Inst Monogr*, (46) 1-6 (2013).
5. J. Lipscomb, K.R. Yabroff, M.C. Hornbrook, A. Gigli, S. Francisci, M. Krahn, G. Gatta, A. Trama, D. P. Ritzwoller, C. Angiolini, E. Crocetti, F. Giusti, S. Guzzinati, M. Mezzetti, G. Miccinesi, and A. Mariotto. Comparing Cancer Care, Outcomes, and Costs Across Health Systems: Charting the Course. *J Natl Cancer Inst Monogr*, (46) 124-130 (2013).
6. S. Francisci, S. Guzzinati, M. Mezzetti, E. Crocetti, F. Giusti, G. Miccinesi, E. Paci, C. Angiolini, A. Gigli. Pattern of care and cost profiles of colon and rectal cancer patient in Italy. *Biomed Central Cancer* 13:329 (2013).
7. S. Francisci, K. R. Yabroff, A. Gigli, A. Mariotto, M. Mezzetti and J. Lipscomb. Advancing the science of cancer cost measurement: challenges and opportunities. *Annali Istituto Superiore Sanita'*, 49, 1: 73-78 (2013).
8. Moscatelli, M. Mezzetti and F. Lacquaniti. Modelling Psychophysical Data at the Population-Level: The Generalized Linear Mixed. *Journal of Vision*, 12,26,1-17 (2012).
9. M. Mezzetti. Bayesian factor analysis for spatially correlated data: application to cancer incidence data in Scotland. *Statistical Methods and Applications*, 21:49-74 (2012).
10. L. Ngo, L. M. Ryan, M. Mezzetti, F. Y. Bois and T.-J. Smith. Estimating metabolic rate for butadiene at steady state using a Bayesian physiologically-based pharmacokinetic model. *Environmental and Ecological Statistics*. 18, 1, 131-146 (2011).

11. 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).
12. M. Mezzetti, P. Muliere and P. Bulla. An application of reinforced urn processes to determining maximum tolerated dose. *Statistics Probability Letters*, 77, 740-747 (2007)
13. M. Mezzetti and F. Billari. Bayesian Correlated Factor Analysis of Socio-Demographic Indicators. *Statistical Methods and Applications* 14, 223-241 (2005).
14. 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, 183-191, (2004).
15. 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).
16. 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 Society, Series C*, 52, 291-305 (2003).
17. 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).
18. 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. *Chemico-Biological Interactions*, 135, 407-428. (2001).
19. 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).
20. M. Mezzetti and P. Giudici. Monte Carlo methods for nonparametric survival model determination. *Journal of the Italian Statistical Society*, 8, 49-60, (1999).
21. M. Mezzetti and C. Robertson. A hierarchical Bayesian approach to age-specific backcalculation of cancer incidence rates. *Statistics in Medicine*, 18, 919-933, (1999).
22. P. Giudici and M. Mezzetti. Nonparametric estimation of survival functions by means of partial exchangeability structures, *Test*, 7, 111-132, (1998).
23. 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).
24. 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 Statistical Society, Series C*, 47, 492 (1998).
25. 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).
26. 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).

27. M. Mezzetti and E. Marubini. Variance of crude cumulative incidence by the use of delta method. *Italian Journal of Applied Statistics*, 7, 79-88, (1995).