



Stefano Mazzuco

Curriculum Vitae

"the only course for the social sciences is to forget all about the verbal fireworks" - K.R. Popper

Education

- 1994–1999: **"Laurea" (Master) in Scienze statistiche, demografiche e sociali**, University of Padova, Italy, Grade: 110 cum laude.
Thesis title "Applicazione di un modello multistato alla popolazione anziana della provincia di Padova" (Applying a multistate projection model to elderly population in Padova).
- 2000–2003: **Phd in Statistics Applied in Economic and Social Sciences**, University of Padova, Italy, Thesis title "When a Child Leaves the Nest. A Comparative Study of France and Italy Based on Panel Data". Supervisor: Professor Fausta Ongaro, co-supervisor: Professor Francesco Billari..
- 2000–2001 **Winter Semester**, Max Planck Institute for Demographic Research, Rostock, GER.

Employment History

- 2011–Present **Associate Professor in Demography**, DEPARTMENT OF STATISTICAL SCIENCES, University of Padova.
Qualified for Full professor in Demography and Social Statistics since January 2014
- 2007–2011 **Assistant Professor in Social Statistics**, DEPARTMENT OF STATISTICAL SCIENCES, University of Padova.
- 2003–2007 **Post-doc positions**, DEPARTMENT OF STATISTICAL SCIENCES, University of Padova.

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Research Grants & Research collaborations

2010–2013	<p>Title: Successful ageing: definitions, circumstances, implications Description: Analyses of the role played by individual and family resources on the well-being of old population Agency: University of Padova Role: PI Grant: 32,000 EUR</p>
2007–2008	<p>Title: Socioeconomic differences in health, health behaviours and access to health care in Armenia, Belarus, Georgia, Kazakhstan, Kyrgyzstan, the Republic of Moldova, the Russian Federation and Ukraine Description: Evaluation of Socio-Economic differences in health outcomes in European countries with EU – LABOR FORCE SURVEY Agency: WHO Role: Collaboration (10% Effort time) Grant: 8,000 \$</p>
2010–2011	<p>Title: Marmot Reviews Description: Analyses of economic benefits from health inequality reduction in England, preparation of the paper “The economic benefits of reducing health inequalities in England” included in the Marmot Review Agency: UCL Role: Collaboration (10% Effort time) Grant: 4,000 £</p>

Teaching

University of
Padova

- *Analisi di dati da indagini complesse* 8 ECTS – head instructor
- *Analisi di dati da indagini complesse* 8 ECTS – head instructor
- *Temi e metodi di popolazione e societ * 9 ECTS – head instructor
- *Sistemi Informativi Statistici* 6 ECTS – head instructor
- *Biodemografia* 9 ECTS – head instructor
- *Modelli statistici I* 2 ECTS – collaborator
- *Demografia internazionale* 2 ECTS – collaborator
- *Analisi dei corsi di vita* 3 ECTS – collaborator
- *Statistica Sociale (proredito)* 3 ECTS – collaborator
- *Modelli statistici per dati sociali* 4 ECTS – collaborator

Other

- Teaching
- Activities
- *Demografia* 9 ECTS – University of Trieste
 - *Demografia* 6 ECTS – University of Venice
 - *From Frailty to Multiprocess Models* 15 hours – Phd School in Statistics.
 - *Statistical Demography* 12 hours, as collaborator – European Doctoral School of Demography c/o Institut National d'Etudes D mographiques (Paris)

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Student Advising

Phd Supervisor Gebrehiwot Haftu ("Implementing Hierarchical Bayesian Model to Fertility Data: The Case of Ethiopia", graduated in 2015), Zanutto Lucia ("A Mixture Distribution to Differentiate Between Mortality Components", graduated in 2017), Adil Muhammad ("Projecting Pakistan Population with a Bayesian Hierarchical Approach", expected to graduate in 2018), Fazle Rabbi Ahabab Mohammad ("Point and interval forecasts of mortality rates and life expectancy for population with notable early aged mortality", expected to graduate in 2019).

Master students I supervised several Master students for their final thesis on the following topics: Fertility modelling, Impact of economic recession of demographic behaviour, Health inequality.

Management functions

- Member of Phd School in Statistics Board
- Member of Department of Statistics Commission in Tutoring and University guidance
- Member of Scientific Committee of SIS (Italian Statistical Society) Congress "Advances in Latent Variables - Methods, Models and Applications" (Brescia, June 2013).
- Member of Organizing Committee of SIS (Italian Statistical Society) Congress "Statistics and Demography: the Legacy of Corrado Gini" (Treviso, Settembre 2015).
- Member of Organizing Committee of European Population Conference (Padova, June 2020)

Editorial and Reviewing Activity

- Associate editor of *Statistical Methods & Applications*.
- Reviewing activity for: *Archives of Gerontology and Geriatrics*, *Demographic Research*, *Rivista di Statistica Ufficiale*, *Journal of the Royal Statistical Society - Series A*, *Journal of the American Statistical Association*, *Advances in Life Course*, *Genus*, *BioMed Research*, *Population Studies*.

Publications

Publication metrics

H-index (last update: March 15th, 2018)

- Web of Science: 11
- Scopus: 11
- Google Scholar: 13

Peer-reviewed articles

- Aassve A., Billari F.C., Mazzuco S., Ongaro F. (2002) "Leaving home: a comparative analysis of ECHP data", *Journal of European Social Policy* 12(4), 2002, pp. 259–275
- Aassve A., Mazzuco S., Mencarini L. (2005) "Childbearing and Wellbeing: A Comparative Analysis of European Welfare Regimes." *Journal of European Social Policy* 15(4), 2005, pp. 283–299

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- Aassve A., Mazzuco S., Mencarini L. (2006) "An empirical investigation into the effect of childbearing on economic wellbeing in Europe" *Statistical Methods and Applications* 15(2), pp. 209–227
- Mazzuco S., Mencarini L., Rettaroli R. (2006) "Similarities and differences between two cohorts of young adults in Italy: The results of a CATI survey on transition to adulthood" *Demographic Research* 15-5, pp. 105–146
- Ongaro F., Mazzuco S., Gallucci M., Violo A. (2006) "Determinanti dell'ingrso dell'anziano in istituto nei primi anni duemila. Il caso di Treviso" *Polis*, XX (2), pp.183–204
- Mazzuco S. (2006) "The Impact of Children Leaving Home on the Parents Wellbeing: A Comparative Analysis of France and Italy" *Genus* LXII (No. 3-4), 35–52
- Aassve A., Betti G., Mazzuco S., Mencarini L. (2007) "Marital Disruption and Economic Well-being: A Comparative Analysis" *Journal of the Royal Statistical Society, Series A*, 170(3), 781–799
- Gallucci, M., Ongaro, F., Bresolin, F., Bernardi, U., Salvato, C., Minello, A., Amici, G.P., Barasciutti, E., Mazzuco, S., Gajo, G.B., De Angeli, S., Forloni, G.L., Albani, D. Zanardo, A., Regini, C. (2007) "The Treviso Longeva (Trelong) study: A biomedical, demographic, economic and social investigation on people 70 years and over in a typical town of North-East of Italy" *Archives of Gerontology and Geriatrics*, 44, 173–192
- Aassve, A., Davia, M., Iacovou, M., Mazzuco, S. (2007) "Does leaving home make you poor? Evidence from 13 European countries" *European Journal of Population*, 23(3-4), 315–338
- Rosina, A., Micheli, G. A., Mazzuco, S. (2007) "Le difficoltà dei giovani all'uscita dalla casa dei genitori. Un'analisi del rischio" *Rivista delle Politiche Sociali*, 2, 95–111
- Ongaro, F., Mazzuco, S., Meggiolaro, S. (2009) "Economic Consequences of Union Dissolution in Italy: Findings from the European Community Household Panel" *European Journal of Population*, 25 (1), 45–65
- Mazzuco, S. (2009) "Another Look into the Effect of Pre-marital Cohabitation on Marriage Duration: An Approach Based on Matching" *Journal of the Royal Statistical Society - Series A*, 172 (1), 255–273
- Mazzuco S., Suhrcke M. (2011) "Health inequalities in europe: new insights from european labour force surveys. journal of epidemiology and community health" *Journal of Epidemiology and Community Health*, 65, 757–763
- Albani, D., Mazzuco, S., Polito, L., Batelli, S., Biella, G., Ongaro, F., . . . & Forloni, G. (2011).

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“Insulin-like growth factor 1 receptor polymorphism rs2229765 and circulating interleukin-6 level affect male longevity in a population-based prospective study (Treviso Longeva-TRELONG)”. *The Aging Male*, 14(4), 257–264.

- Gustafson, D. R., Mazzuco, S., Ongaro, F., Antuono, P., Forloni, G., Albani, D., ... & Gallucci, M. (2012). Body Mass Index, Cognition, Disability, *APOE* Genotype, and Mortality: The “Treviso Longeva” Study. *The American Journal of Geriatric Psychiatry*, 20(7), 594–602.
- Gallucci, M., Mazzuco, S., Ongaro, F., Di Giorgi, E., Mecocci, P., Cesari, M., ... & Regini, C. (2013). Body mass index, lifestyles, physical performance and cognitive decline: the “Treviso Longeva (TRELONG)” study. *The journal of nutrition, health & aging*, 17(4), 378–384.
- Albani, D., Ateri, E., Mazzuco, S., Ghilardi, A., Rodilossi, S., Biella, G., ... & Forloni, G. (2014). Modulation of human longevity by SIRT3 single nucleotide polymorphisms in the prospective study “Treviso Longeva (TRELONG)”. *Age*, 36(1), 469–478.
- Mazzuco, S., & Meggiolaro, S. (2014). “Family structures and health behaviour in adolescents.” *Child indicators research*, 7(1), 155–175.
- Mazzuco, S., & Scarpa, B. (2015). “Fitting age-specific fertility rates by a flexible generalized skew normal probability density function.” *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 178(1), 187–203.
- Mazzuco, S., Meggiolaro, S., Ongaro F. & Toffolutti V. (2017). “Living arrangements and cognitive decline among the elderly in Europe” *Ageing and Society*, 37(6), 1111–1133.
- Mazzuco, S., Scarpa, B. & Zanotto L. (to appear). “A mortality model based on a mixture distribution function” *Population Studies*.

Book chapters

- Mazzuco S. (2002) *Quali famiglie per i futuri anziani?* In F. Ongaro (a cura di): “In famiglia o in istituto. L’età anziana tra risorse e costrizioni” FrancoAngeli, 2002, pp. 107–125
- Mazzuco S. e Ongaro F. (2002) *Forme di vita familiare in tarda età: il ruolo della rete familiare* In F. Ongaro (a cura di): “In famiglia o in istituto. L’età anziana tra risorse e costrizioni” FrancoAngeli, 2002, pp. 53–72
- Mazzuco S. (2004) *Demografia ed immigrazione* In D. Marini (a cura di): “Rovigo 2004. Sfide e opportunità per la società e l’economia” Quaderni FNE, Collana Ricerche n.19, 2004, pp. 44–56
- Mazzuco S. (2005) *Demografia ed immigrazione* In D. Marini, F. Ferraro (a cura di): “Pordenone, Via Cima d’asta, 7 – 30174, Mestre (VE), Italy

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ieri, oggi, domani. Dinamiche della società e prospettive del manifatturiero” Il Sole 24 Ore S.p.A., Milano. pp. 3–18

- Mazzuco S. e Ongaro F. (2006) *Costi e benefici dei figli* In F. Ongaro (a cura di): “Scelte riproduttive tra costi, valori, opportunità” FrancoAngeli, 2006, pp. 83–108
- Mazzuco S., Suhrcke M. (2009) “Condizioni di salute nelle regioni italiane” in Ongaro F. e Salvini S. (ed.) *Rapporto sulla popolazione. Salute e sopravvivenza*, pp. 141–156 Il Mulino, Bologna
- Aassve A., Betti G., Mazzuco S., Mencarini L. (2009) “Marital disruption and economic well-being: poverty, income and lifestyle deprivation” in AndreBH. J. and Hummelshein D. (eds.) *When Marriage Ends. Economic and Social Consequences of Partnership Dissolution*, pp. 330–358 Edward Elgar Cheltenham, UK - Northampton, MA, USA

Conference proceedings

- Mazzuco, S. & Scarpa, B. (2013). *A model of mortality based on a mixture distribution*. Atti del convegno “XXVII IUSSP International Population Conference” Busan, Corea del Sud.
- Mazzuco, S., Meggiolaro, S., & Ongaro, F. (2012). *Family resources and cognitive decline among elderly in Italy* Atti del convegno “46TH SCIENTIFIC MEETING OF THE ITALIAN STATISTICAL SOCIETY”, Roma.
- Stefano Mazzuco, Anna Giraldo, Lucia Coppola (2013). Living arrangement and poverty dynamics: comparing results by using absolute and relative poverty threshold Atti del convegno “Population Days 2013”, Bressanone.

Monographs

- Suhrcke M., Vork A., Mazzuco S. (2006) *The economic consequences of ill health in Estonia*. Copenhagen, WHO Regional Office for Europe.
- Suhrcke M., Rocco L., Urban D., McKee M., Mazzuco S., Steinherr A. (2007) *Economic consequences of non-communicable disease and injuries in Russian Federation*. Venice, World Health Organization European Office for Investment for Health and Development.

Working Papers

- Mazzuco, S., Meggiolaro, S., Ongaro, F., & Toffolutti, V. (2013). (No. 13-04). *Living arrangements and cognitive decline among the elderly in Europe* HEG Working Paper

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Scientific Activity

My scientific activity is actually following different streams:

- *Fertility modelling via skew-normal distribution and its generalization*: I'm applying skew-normal distribution and its generalization in fertility modelling. In a recent publication a fertility model has been proposed and I'm working to extend the model in a hierarchical perspective.
- *Mortality modelling via skew-normal distribution and its generalization*: I'm also applying skew-normal distribution properties to fit mortality data. A new model has been proposed, and several applications will be proposed: differential/cause-specific modelling, historical and paleodemographic data modelling, health/mortality inequality assessment.
- *Impact of economic recession in family formation*: This is a research project financed by Padova University. My contribution is to analyze the consequences of the recent economic recession on Italian families formation and organization. Using EU-SILC data, this analysis will be extended to other European countries.

Computer skills

Basic HTML, C

Intermediate Linux, OpenOffice, Microsoft Windows

Advanced R, L^AT_EX, SAS, Stata

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