

Mazzoleni Marcella

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Sex: Female

Nationality: Italian

WORK EXPERIENCE

January 2016-Present

Postdoctoral position in the Estimation of Multivariate Joint Models of longitudinal and survival data in economic field at the Department of Statistics and Quantitative Methods at the University of Study Milan-Bicocca.

Supervisor: Dr. Mariangela Zenga

EDUCATION

20 February 2017 – 24 February 2017

Scuola SIS Course on the "Teoria e pratica dei modelli ad effetti casuali per dati multilivello e longitudinali"

Teacher: Prof. Carla Rampichini and Prof. Leonardo Grilli

1 November 2012- 11 December 2015

PhD in Statistics and Applications, Department of Statistics and Quantitative Methods University of Milan-Bicocca

Tutor: Prof. Marcella Poliscchio

Thesis Title: Joint models for time-to-event and multivariate longitudinal data

1 October 2009 – 27 March 2012

Degree in Business administration curriculum Management, Statistics and IT University of Milan-Bicocca

Final Grade: 110 cum laude

Thesis Title: Le catene di Markov con stati Fuzzy: un'applicazione al caso delle carriere universitarie

Supervisor: Dr. Mariangela Zenga

1 October 2006 – 25 November 2009

Short degree in Management, Statistics and IT University of Milan-Bicocca

Final Grade: 110 cum laude

Thesis Title: Analisi e previsione della forza lavoro in Italia

Supervisor: Dr. Mariangela Zenga

RESEARCH EXPERIENCE

15 November 2014- 15 February 2015

I spent 3 months at the Queen's University of Belfast working on the Phd thesis concerning the joint model of longitudinal and time-to-event data with Prof. Adele H. Marshall.

1 October 2012- 1 November 2012

Occasional collaboration for the implementation of an algorithm for the estimation of the transition probability for the Markov chain with fuzzy states.

Department of Psychology University of Milan-Bicocca

1 July 2012-1 August 2012

Occasional collaboration for the implementation of an algorithm for the estimation of the transition probability for the Markov chain with fuzzy states.

Department of Statistics and Quantitative Methods University of Milan-Bicocca

TEACHING EXPERIENCE

March 2018- Present

- Teaching assistant in Statistics II at the University of Milan-Bicocca for the undergraduate degree in Banking finance and insurance
- Teaching assistant in Statistics I at the University of Milan-Bicocca for the undergraduate degree in Management accounting
- Teaching assistant in Statistics at the University of Bergamo for the undergraduate degree in Engineering Management.
- Academic tutoring in R software at the University of Bergamo for the undergraduate degree in Engineering Management.

March 2017- June 2017

- Teaching assistant in Statistics II at the University of Milan-Bicocca for the undergraduate degree in Banking finance and insurance
- Teaching assistant in Statistics I at the University of Milan-Bicocca for the undergraduate degree in Management accounting
- Teaching assistant in Statistics at the University of Bergamo for the undergraduate degree in Engineering Management.
- Academic tutoring in R software at the University of Bergamo for the undergraduate degree in Engineering Management.

February 2017- September 2017

- Academic tutoring in Statistics at the University of Milan-Bicocca

March 2016- June 2016

- Teaching assistant in Statistics II at the University of Milan-Bicocca for the undergraduate degree in Banking finance and insurance
- Teaching assistant in Statistics I at the University of Milan-Bicocca for the undergraduate degree in Management accounting
- Teaching assistant in Statistics at the University of Bergamo for the undergraduate degree in Engineering Management.

March 2016- September 2016

- Academic tutoring in Statistics at the University of Milan-Bicocca

February 2015- June 2015

- Teaching assistant in Statistics I at the University of Milan-Bicocca for the undergraduate degree in Banking finance and insurance and for the undergraduate degree in Management accounting

March 2015- September 2015

- Academic tutoring in Statistics at the University of Milan-Bicocca

September 2013- June 2014

- Teaching assistant in Statistics I at the University of Milan-Bicocca for the undergraduate degree in Business economics

PUBLICATIONS

• With peer review

1. M. Mazzoleni, The Analysis of student paths at the University using the Multivariate Joint Models, Communication in Statistics: Theory and Methods DOI: 10.1080/03610926.2017.1390683
2. M. Mazzoleni, Adele H. Marshall and M. Zenga (2016). The Timing of Student Graduation: a Joint Model Approach, in J. R. Bozeman (Ed) Stochastic and Data Analysis Methods and Applications in Statistics and Demography, (pp. 61-74) ISAST (ISBN: 978-618-5180-19-5)
3. F. Crippa, M. Mazzoleni, and M. Zenga (2016). Analysing the gap between formal and real path of students career progression at university, in J. R. Bozeman (Ed) Stochastic and Data Analysis Methods and Applications in Statistics and Demography, (pp. 49-60) ISAST (ISBN: 978-618-5180-19-5)
4. M. Mazzoleni (2016). The Analysis of student paths at the University using the Multivariate Joint Models, Proceedings of the 4th Stochastic Modeling Techniques and Data Analysis International, (pp. 239-250), ISAST, Malta, 2016
5. F. Crippa, M. Mazzoleni, and M. Zenga (2016). Departures from formal of actual students' university careers: an application of non homogeneous fuzzy Markov chains, Journal of Applied Statistics, 43(1), pp. 16-30
6. F. Crippa, M. Mazzoleni, and M. Zenga (2014). The role of the membership function to model university students' flow. 47th SIS Scientific Meeting of the Italian Statistica Society Cagliari, June 10-14, 2014, CUEC EDITOR, ISBN: 978-88-8467-874-4, Cagliari, 2014
7. F. Crippa, M. Mazzoleni, and M. Zenga (2014) Undergraduate students career in Italy: a non homogeneous Markov approach with fuzzy states, in C. H. Skiadas (Ed) Theoretical and Applied Issues in Statistics and Demography (pp. 121-135), ISAST ISBN: 978-6188125773
8. F. Crippa, M. Mazzoleni, and M. Zenga (2013). Keeping the pace with higher education. A fuzzy states gender study. In: Cladag 2013 9th Meeting of the Classification and Data Analysis Group Book of Abstracts. p. 128-132, Cleup, ISBN: 9788867871179, Modena, 2013
9. F. Crippa, M. Mazzoleni, and M. Zenga (2013). Never leave a job undone: Fuzzy Markov Chain for Italian university students retention. SIS 2013 – Statistical Conference – 19-21 giugno 2013 – Brescia – Italy - p. 1-6, Vita e Pensiero, ISBN: 9788834325568, Brescia, 2013

TALK, SEMINARS AND CONFERENCES

• Invited talk

- M. Mazzoleni and M. Zenga, "Joint models for time-to-event and multivariate longitudinal data: a likelihood approach", 15th May 2018, University of Salerno

• Invited session

- a. M. Mazzoleni and M. Zenga, "Joint models for time-to-event and bivariate longitudinal data", EMS 2017 31st European Meeting of Statisticians 24-28 July 2017, University of Helsinki
- b. M. Mazzoleni and M. Zenga, "Joint Models for Time-to-Event and Bivariate Longitudinal Data: a Likelihood Approach", ASMDA 2017 The 17th Conference of the Applied Stochastic Models and Data Analysis International Society, 6 - 9 June 2017, London

- c. F. Crippa, M. Mazzoleni and M. Zenga, "Keeping the pace with higher education. A fuzzy states gender study", Cladag 2013 9th Scientific Meeting of the Classification and Data Analysis Group Modena, September 18-20 2013
- d. F. Crippa, M. Mazzoleni and M. Zenga, "Gender Differentials In Higher Education: Hints From A Fuzzy States Analysis", The conference of the International Federation of Classification Societies (IFCS) at Tilburg University, July 2013

• Contributed session

- e. M. Mazzoleni and M. Zenga, "Joint models for survival and multivariate longitudinal data" 10th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), 16-18 December 2017, Senate House, University of London
- f. M. Mazzoleni "The Analysis of student paths at the University using the Multivariate Joint Models", SMTDA 2016 4th Stochastic Modeling Techniques and Data Analysis International Conference, 1-4 June 2016, University of Malta
- g. F. Crippa, M. Mazzoleni and M. Zenga, "Analysing the distance between formal and real path of students' career progression at university", ASMDA 2015 16th conference of the Applied Stochastic Models and Data Analysis (ASMDA) International Society 30th June – 4th July 2015, Piraeus, Greece
- h. M. Mazzoleni, A. H. Marshall, and M. Zenga, "Joint Model of Longitudinal and Time-to-Event Data: an Application to Undergraduates' Careers", ASMDA 2015 16th conference of the Applied Stochastic Models and Data Analysis (ASMDA) International Society 30th June – 4th July 2015, Piraeus, Greece
- i. F. Crippa, M. Mazzoleni and M. Zenga, "The role of the membership function to model university students' flow", SIS 2014 47th Scientific Meeting of the Italian Statistical Society Cagliari - June 11/13, 2014
- j. F. Crippa, M. Mazzoleni and M. Zenga, "Never leave a job undone. Fuzzy Markov chains for Italian university students' retention", SIS 2013 Statistical Conference Advances in Latent Variables - Methods, Models and Applications, Brescia June 2013
- k. F. Crippa, M. Mazzoleni and M. Zenga, "Undergraduate Students' Career in Italy: a non Homogeneous Markov Approach with Fuzzy States", ASMDA 2013 15th Applied Stochastic Models and Data Analysis International Conference 25 – 28 June 2013 Mataró (Barcelona)

• Poster session

- l. M. Mazzoleni and M. Zenga, "Joint models for survival and bivariate longitudinal data: a likelihood formulation", poster session at the CLADAG 2017 Classification and Data Analysis Group (CLADAG) of the Italian Statistical Society (SIS), 13-15 September 2017, University of Milan - Bicocca
- m. M. Mazzoleni and M. Zenga, "Joint models for survival and bivariate longitudinal data: a likelihood formulation", poster session (prize for the best poster) at the SAM 2017 Statistical Analysis of Multi-Outcome Data, 3-4 July 2017, University of Liverpool
- n. M. Mazzoleni and M. Zenga, "Joint Models for Time-to-Event and Multivariate Longitudinal Data", poster session at the Workshop Joint Modeling and Beyond, 14th April – 15th April 2016, University of Hasselt, Hasselt

CONFERENCES BOOK OF ABSTRACTS

- a.M. Mazzoleni and M. Zenga, "Joint models for survival and multivariate longitudinal data" 10th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), 16-18 December 2017, Senate House, University of London, ISBN 978-9963-2227-4-2
- b. M. Mazzoleni and M. Zenga, "Joint models for survival and bivariate longitudinal data: a likelihood formulation", poster session at the CLADAG 2017 Classification and Data Analysis Group (CLADAG) of the Italian Statistical Society (SIS), 13-15 September 2017, University of Milan – Bicocca ISBN 978-88-99459-71-0
- c. M. Mazzoleni and M. Zenga, "Joint Models for Time-to-Event and Bivariate Longitudinal Data: a Likelihood Approach", ASMDA 2017 The 17th Conference of the Applied Stochastic Models and Data Analysis International Society, 6 - 9 June 2017, London ISBN: 978-618-5180-22-5
- d. F. Crippa, M. Mazzoleni and M. Zenga, "Keeping the pace with higher education. A fuzzy states gender study", Cladag 2013 9th Scientific Meeting of the Classification and Data Analysis Group Modena, September 18-20 2013 ISBN 9788867871179
- e. F. Crippa, M. Mazzoleni and M. Zenga, "Undergraduate Students' Career in Italy: a non Homogeneous Markov Approach with Fuzzy States", ASMDA 2013 15th Applied Stochastic Models and Data Analysis International Conference 25 – 28 June 2013 Mataró (Barcelona) Editor: Christos H Skiadas ISBN: 978-618-80698-2-4

SKILLS

- Good knowledge of the Microsoft Office suite and of some statistical software like R and Sas.
- Italian mother tongue.
- English at level B2/C1 intermediate/advanced and advanced.
- French at level B1 intermediate.

MEMBERSHIP

I am a member of YoungSIS (Young Società Italiana di Statistica) and of YSS (Young Statisticians' Section of the Royal Statistical Society).

PRIZES AND AWARDS

- Prize for the best poster: M. Mazzoleni and M. Zenga, "Joint models for survival and bivariate longitudinal data: a likelihood formulation", poster session at the SAM 2017 Statistical Analysis of Multi-Outcome Data, 3-4 July 2017, University of Liverpool
- Participant of the ATE - Progetti di ateneo: 2013 "Le catene di Markov non omogenee con stati fuzzy: applicazione al caso delle carriere degli studenti universitari"; 2014 "Distanza tra percorsi formali e percorsi effettivi per la progressione delle carriere degli studenti universitari: metodi e modelli statistici."; 2015 "Costruzione di indicatori per il livello di alfabetizzazione finanziaria in Italia."; 2016 "Misurare l'alfabetizzazione finanziaria Italiana: una analisi mediante la metodologia POSET"

REVIEWER

Reviewer for Journal of Applied Statistics and Statistica Applicata – Italian Journal of Applied Statistics.