

CURRICULUM VITAE ET STUDIORUM

ANDREA RIGANTI

Personal Information

Birth: October 19th, 1988; Varese (Va)
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Education

PhD Student, *Milan University* Jan.2014 – now
Lombardy Advanced School of Economic Research, Department of Economics, Management and Quantitative Methods

Visiting Student, *Harvard School of Public Health – Boston (USA)* Jan.2013 – July 2013

- Research project: Analyse panel data using mixed models to measure cognitive impairment in the eldest considering dietary intakes as modifier effect;
- Research project: Analyse multivariate data using mixed models to assess lead concentration in bones and effects of lifestyle in Mental State Examination.

Master in Experimental Statistics, *Milan – Bicocca University* Sept. 2010 – Sept. 2013

- Thesis: Polymorphisms associated with microRNA processing modify the cumulative lead exposure on cognition in cohort of elderly men;
- Supervisor: G. Vittadini, full professor of Statistics, Dept. of Statistics and Quantitative Methods, Milan – Bicocca University;
- Final mark: 110/110 cum laude; Cumulative GPA: 4.0;
- Topics: Statistics (Multivariate Analysis, Classical Inference, Bayesian Inference, Sampling Theory, Experiment plan, Longitudinal data analysis, Time series, Spatial and Environmental Statistics), Biostatistics (Survival analysis, Methods and Statistical Models for clinical and epidemiological research, Epigenetics), Economics (Stochastic processes, Control quality), Mathematics and Probability (Measure Theory, Differential Equations), Demography and Social Statistics.

SAS Course in Advanced Data Mining, Milan – Bicocca University March 2012

- Topics: Support vector machine, ensemble models (combined models, bagging, boosting, random forest).

Bachelor Degree in Statistics, Milan – Bicocca University Sept. 2007 – Sept. 2010

- Thesis: Labour dynamics of newly graduated;
- Supervisor: M. Mezzanzanica, associate professor, Dept. of Statistics and Quantitative Methods, Milan – Bicocca University;
- Final mark: 110/110 cum laude; Cumulative GPA: 4.0;
- Topics: Mathematics (Calculus, Geometry), Probability, Statistics (Descriptive, Multivariate, Classical Inference, Simulations, Data Mining), Economics (Microeconomics and Economical Statistics), Medical Statistics and Social Statistics.

High School Degree (Scientific Studies), Liceo “G. Ferraris”, Varese Sept. 2002 – June 2007
Final mark: 88/100.

Workshops and Seminars

- *Summer School in Applied Health Econometrics and Health Policy* (University of Bergamo and University of Milano Bicocca), Bergamo, July 14th-17th, 2014.
- *Health Econometric Workshop* (Brunel University – London and University of Milano Bicocca), Padua, July 18th-21st, 2014.

Work Experience

Teaching assistant, Milan – Bicocca University Jan. 2012 – Jan. 2013

- *Teaching assistant for the Classes of Descriptive Statistics, Bachelor degree in Statistics, Milan – Bicocca University (prof. P. Chiodini, associate professor of Statistics);*
- *Teaching assistant for the Classes of Multivariate Analysis for the Master Degree in “Biostatistics” and for the Master degree in “Statistics and Economics”, Milan – Bicocca University (prof. G. Vittadini, full professor of Statistics).*

Tutor, CEUR foundation Sept. 2010 – now
Tutoring in Statistics for bachelor students enrolled in the degrees of Medicine and Science in the University of Milan.

Consultant, IULM University Sept. 2012 – Oct. 2012
Consultant of Manuela De Carlo, full professor at IULM University (Milan) and Bocconi University (Milan) for a research paper:

- Analysis of a survey conducted on a sample of travel companion in Milan;
- Statistical analysis to assess main cause of pull for foreign tourists;

- Interpretation and explanation of the results;
- Writing and correction of a paper doomed to an international journal.

Consultant, Bocconi University and CERTeT July 2012 – Oct. 2012
Consultant at Bocconi University and Lanfranco Senn, full professor of Regional Economics and Director of CERTeT (Centre for Research on Regional Economics, Transport and Tourism):

- Data input and data management;
- Analysis for the realisation of a scientific paper: “Le dinamiche di sviluppo locale tra attrattività e competitività”.

Consultant, University of Milan – Bicocca June 2012 – Jan. 2013
Collaboration with Law Faculty, statistical analysis of the academic careers of the students:

- Implementation of mixed models and logistic regression models;
- Creation of an index of academic achievement;
- Presentation of the summary document.

Internship, CRISP, Milan – Bicocca University March 2010 – July 2010
Internship at CRISP (Interuniversity Research Center on Public Services) in collaboration with the Milan – Bicocca University during the Bachelor degree:

- Analysis of the careers of newly graduated in four Universities in Milan (Polytechnic of Milan, University of Milan, University of Milan – Bicocca, Catholic University) using Generalized Estimating Equations and mixed models;
- Work with the data manager and integration of databases;

Collaborator, Milan – Bicocca University Sept. 2009 – Sept. 2011
Collaborator of the Secretariat of the Dean Office, Faculty of Statistical Sciences, Milan – Bicocca University:

- Input of the educational offer of the Faculty in the new governance system;
- Public relations with companies for internship.

Certificates

GRE: Quantitative reasoning: 164/170 (96.5%); Verbal reasoning: 150/170 (88.2%); Analytical Writing: 3.0/6.0.

Languages

Italian: mother tongue;

English: TEOFL examination (96/110): Reading 28/30, Listening 25/30, Speaking 19/30, Writing 24/30.

Software experience

SAS, R and Microsoft Office (very well), STATA, SPSS and MATLAB (well).

Other

Students' representative for the School of Statistical Sciences (Nov. 2007 – Nov. 2012)

Member of the School Committee for the evaluation (Nov. 2007 – May 2010)

Member of the School Students-Teachers joint Committee (Nov. 2007 – Nov. 2012)

Member of the School Committee for the education (May 2010 – Nov. 2012)

Milan, October 31st, 2014

Andrea Riganti