

Daniele Toninelli

Assistant Professor (*Economic Statistics*)

PhD (*Marketing for Business Strategies*)

Contacts

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Quantitative Methods
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Personal data

- Date of birth: May 31st, 1974
- Place of birth: Vimercate (MI), Italy

Current status

University of Bergamo

Bergamo, Italy

Assistant Professor / Researcher

Department of Management, Economics and Quantitative Methods

- From: October the 1st, 2007.

ASN – Abilitazione Scientifica Nazionale – First wave contest

National Scientific Qualification

For the Disciplinary Sector: SECS-S/03 - Economic Statistics

- National Scientific Qualification to the role of Associated Professor for the disciplinary/scientific sector 13/D2 – Economic Statistics (First wave, October, 2012).

University of Bergamo Bergamo, Italy

Current courses (Academic Year: 2014/15):

- “Advanced Probability and Statistics for Finance” – Module 2
- “Advanced Business Statistics” – Tutoring/Labs (Module 1, 2 & 3)

European Network Research Project funded by COST (COST Action IS1004)

MC – MANAGEMENT COMMITTEE member of the European Project
“WEBDATANET: web-based data-collection - methodological challenges, solutions and implementations”

- Chief of the research unit: Prof. Silvia Biffignandi.

University of Bergamo Bergamo, Italy

Teaching Board member

- Member of the Teaching Board of the Department of Management, Economics and Quantitative Methods (from 2013)

University of Bergamo Bergamo, Italy

Member of “CASI - Centro Interdipartimentale di ricerca per le Analisi Statistiche”

- Member of “CASI – Interdepartmental Center for Research and Statistical Analysis”, University of Bergamo. Director: Prof. Silvia Biffignandi.

University of Bergamo Bergamo, Italy

Member of the Teaching Board of the PhD Course “AEB - Analytics for Economics and Business”

- Academic years: 2013/14 (XXIX cycle) and 2014/15 (XXX cycle)
- Coordinator of the course: Prof. Marida Bertocchi).
- Dipartimento di Scienze Aziendali, Economiche e Metodi Quantitativi (University of Bergamo), Dipartimento di Economia e Management (University of Brescia).

University of Bergamo Bergamo, Italy

Responsible teacher for Stage projects

- Degree in Business Economics (substitution of Prof. Benedetta Manfredonia until November 26th 2014).

Studies

July, 1993 Liceo Classico Statale B. Zucchi Monza (MI), Italy

Diploma (High School): Maturità Classica

- Final evaluation: 52/60.

February, 2003 University of Milan - Bicocca Milan, Italy

Graduation in Statistics and Economics

- February 6th, 2003.
- Faculty of Statistics / Specialization: Insurance and Finance.
- Graduation thesis: “*Programmazione e Generi Televisivi: un’esplorazione attra-verso i dati Auditel sulle reti televisive principali nel periodo 1999 – 2002*”.
- Final evaluation: 105 / 110.

2003–2004 University of Milan - Bicocca Milan, Italy

MSc: “Statistics for Marketing Researches and Surveys”

- End of course: November the 26th, 2004.

2006–2009 University of Bergamo Bergamo, Italy

PhD: “Marketing for Business Strategies”

- Faculty of Economics and Business Administration, Department of Business Administration.
- PhD thesis defended on March 30th, 2009
- PhD thesis: “*Survey Techniques: an application to prices data for the computation of price indexes*”.

Other courses

10/6 -8/7/2006 University of Bergamo Bergamo, Italy

SAS Statistical package

- Organization: Department of Mathematics, Statistics, Informatics and Applications (University of Bergamo).

16-20 October 2006 University of Florence Florence, Italy

SIS (Italian Statistical Society) School - “Teaching evaluation methods and statistical models: theoretical and empirical aspects”

- Course organized by the Department of Statistics (University of Florence).

3-4 December 2007 Mannheim, Germany

2nd ESS Train “Nonresponse in cross-national surveys”

- Course organized by the European Social Survey - GESIS - Centre for Survey Research and Methodology (ZUMA).

30/4-1/5/2009 Ljubljana, Slovenia

6th ESS Train – “Mixed-Mode Surveys”

- Course organized by the European Social Survey - GESIS - Centre for Survey Research and Methodology (ZUMA).

22-25 June 2009 University of Palermo Palermo, Italy

SIS (Italian Statistical Society) School – “R programming for research in Statistics”

- Course organized by the Department of Statistics (Faculty of Economics, University of Palermo).

2-3 July 2012 Univerisitat Pompeu Fabra Barcelona, Spain

Course – “Evaluation and improvement of survey questions using Survey Quality Prediction (SQP)”

- Course organized by RECSM (Research and Expertize Centre for Survey Methodology) – Department of Political and Social Sciences.

10-11 December 2013 Univerisitat Pompeu Fabra Barcelona, Spain

Course – “My First Bayes: Why and How to Run Your First Bayesian Model using MPlus”

- Course organized by RECSM (Research and Expertise Centre for Survey Methodology) – Department of Political and Social Sciences.

Foreign language

English

Work experiences

2000; 2001 PiTre S.r.l. Milano

Research & Development Department

- Pharmaceutical Marketing research.
- Temporary collaboration: surveys and marketing research.
- Used software: SPSS.

2008 Statistics Canada Ottawa, Ontario (Canada)

Statistics Canada Project “Wholesale Survey – Service Producer Price Index”

- *Work-term* from January the 30th to March the 7th, 2008 and from June

the 2nd to September the 26th, 2008. Short term collaboration with the *BSMD (Business Survey Methods Division)*; chief: Sylvie Gauthier; supervisor: Zdenek Patak.

- Research project: study of methodological challenges for the qualitative optimization of the collected data and of the price indexes estimates (“*Wholesale Survey*”) for the estimate of a National price index for wholesalers in the services sector.
- The research project is currently under development (supervisor of the project: Zdenek Patak, Statistics Canada, Ottawa, ON, Canada).

2012-13 VŠB-Technical University Ostrava, Czech Republic
Post-Doctoral Research collaboration with the VŠB-Technical University of Ostrava, Faculty of Economics, Finance Department; Project: “Module L- Managing, decision-making and modeling of economic and financial processes”

- Research project from September 2nd, 2012 to August 31st, 2013. Senior researcher: Tomáš Tichý (VŠB-Technical University of Ostrava).
- Collaboration renewed for a further year (from September 1st, 2013, to August 31st, 2014).
- Resignation for personal reasons (September 30th 2013).
- Research project developed in the framework of the plan “Opportunity for young researchers”, reg. no. CZ.1.07/2.3.00/30.0016, supported by Operational Programme Education for Competitiveness and co-financed by the European Social Fund and the state budget of the Czech Republic.

2012-2013 Statistics Canada Ottawa, Ontario, Canada
Research collaboration in a foreign country in the framework of the project “FYRE – Fostering Young REsearchers” (Fondazione Cariplo, 2011 “Promuovere la formazione di capitale umano di eccellenza”)

- “FYRE – Fostering Young REsearchers” project – Length of the project: 2012-2013; University of Bergamo project funded with the contribution of Fondazione Cariplo (2011) / prot. n. 22351/VII/001 del 18.11.2011.
- First period (University of Ottawa, Ottawa, Ontario, Canada): October 29th 2012 - December 11th 2012; collaboration with Prof. Marc Prud’Homme (University of Ottawa & Statistics Canada) and with Patak Zdenek (senior methodologist, *BSMD -Business Survey Methods Division*, Statistics Canada).
- Second period (Statistics Canada, Ottawa, Ontario, Canada): June 22nd 2013 – August 2nd 2013; collaboration with the *BSMD (Business Survey Methods Division*, Statistics Canada); supervisor: Martin Beaulieu, with the collaboration of Catalin Duchitoiu.
- Research topic: study of methodological issues pertaining the *CPI (Consumer Price Index)* estimates.
- Collaboration currently in development: Martin Beaulieu is expected to visit the University of Bergamo in June 2014 to further develop the research project (visiting plans approved by Statistics Canada and approved and funded by the University of Bergamo in the framework of the project “ITALY® - Action 3 - Grants for Visiting Professor and Scholar, 2013).

2012-2013 University of Ottawa Ottawa, Ontario, Canada
Visiting researcher at the Department of Economics (Faculty of Social Sciences).

- First period: October 29th 2012 – December 11th 2012.
- Second period: June 22nd 2013 - August 2nd 2013.
- Visiting researcher at the Department of Economics (Faculty of Social

Sciences, 75 Laurier Avenue East, Ottawa, Ontario, Canada); chief: Prof. Victoria Barham.

2014 Universitat Pompeu Fabra Barcelona, Spain

Visiting researcher at the RECSM (Research and Expertise Centre for Survey Methodology) – Department of Political and Social Sciences.

- Visiting funded as COST-WEBDATANET STSM (Short Time Scientific Mission); Title: “Mobile web surveys: the panel agencies perspective”. Collaboration with Mélanie Revilla. COST STSM Reference Number: COST-STSM-IS1004-23024.
- Period: December 9th 2014 – December 19th 2014.
- Visiting researcher at RECSM - Research and Expertise Centre for Survey Methodology (Universitat Pompeu Fabra, Edifici Mercè Rodoreda, 24, Ramón Triás Fargas, 25-27, 08005 Barcelona, Spain).

SEE ALSO “Other work experiences” in the following

Teaching activities

2003 University of Bergamo Bergamo, Italy

Faculty of Economics and Business Administration – Department of Mathematics, Statistics, Computing and Applications

Subsidiary Teaching Activity –

Academic year: 2002/03

- *Applied statistics* (head of course: Prof. Monica Pratesi).
- *Economic Statistics for Market Analysis* (head of course: Prof. Silvia Biffignandi).
- *Business Statistics (SPC, Statistical Process Control)* (head of course: Prof. Silvia Biffignandi).
- Tutor of the courses: *Business Statistics (SPC)* (head of course: Prof. Silvia Biffignandi), *Applied statistics*, *Economic Statistics for Market Analysis*, *Business Statistics (Surveys technique)*.

2003 - 2007 University of Bergamo Bergamo, Italy

Faculty of Economics and Business Administration – Department of Mathematics, Statistics, Computing and Applications

Subsidiary Teaching Activity –

Academic years: 2003/04, 2004/05, 2005/06, 2006/07

- *Economic Statistics for Market Analysis* (head of course: Prof. Silvia Biffignandi).
- *Business Statistics (SPC)* (head of course: Prof. Silvia Biffignandi).
- E-learning course FAD: *Time series analysis and forecasting*.

2007 - 2009 University of Bergamo Bergamo, Italy

Faculty of Economics and Business Administration – Assistant Professor Teaching Activity (Academic years: 2007/08 e 2008/09)

- *Statistics for Monetary and Financial Markets*.
- *Economic Statistics for Market Analysis (Number Indexes)*.

2009 - 2011 University of Bergamo Bergamo, Italy

Faculty of Economics and Business Administration – Assistant Professor Teaching Activity (Academic years: 2009/10 e 2010/11)

- *Advanced Business Statistics*.

2011 - 2013 University of Bergamo Bergamo, Italy
Faculty of Economics and Business Administration – Assistant Professor
Teaching Activity (Academic years: 2011/12 and 2012/13)

- *Advanced Business Statistics.*
- *Statistics for Financial Markets.*

2013 - 2014 Università degli Studi di Bergamo Bergamo, Italy
Department of Management, Economics and Quantitative Methods –
Assistant Professor
Teaching Activity (Academic years: 2013/14)

- “*Advanced Business Statistics*” – Module 1 and 3
- “*Advanced Probability and Statistics for Finance*” – Module 2
- “*Advanced Business Statistics*” – Tutoring/Labs (Module 1, 2 & 3)

2014 - 2015 Università degli Studi di Bergamo Bergamo, Italy
Department of Management, Economics and Quantitative Methods –
Assistant Professor
Teaching Activity (Academic years: 2014/15)

- “*Advanced Probability and Statistics for Finance*” – Module 2
- “*Advanced Business Statistics*” – Tutoring/Labs (Module 1, 2 & 3)

Research Projects

2003 MIUR 40% Project
The use of the new strategies to collect statistical data and information for the study of economical system

- Collaborator to the research activity.
- Local unit involved in the project: Universities of Bergamo, Milan - Bicocca, Bologna, Florence, Naples (Partenope), Parma, Perugia; ISTAT (Italian Statistical National Institute, Rome).
- National head of the project: Prof. Silvia Biffignandi

2003 European project Leonardo EUDITSTAT
EUropean DistanCe Training system on STAtistical Techniques for quality improvement (EUDITSTAT)

- Collaborator to the research activity.
- Leonardo da Vinci program (2000-2006) – Project n. I/01/B/F/PP-120312.

2003 - 2007 University of Bergamo Bergamo, Italy
Faculty of Economics and Business Administration –
Department of Mathematics, Statistics, Computing and Applications
Temporary Researcher

- Research project: “*The use of the new strategies to collect statistical data and information for the study of economical system*”.
- From June, 2003 to November, 2006.

2004 Vimercate Public Library Vimercate (MI)
Customer satisfaction survey project

- Statistical consultant and head of the project.

2005 WebSM project
WebSM (Web Survey Methodology) project

- Collaborator of the WebSM international project.
- Thematic Network - “*Web-based data collection. Online knowledge base and co-operation platform on the methodology of web surveys and other types of web-based data collection*”.
- Italian Partner head (University of Bergamo): Prof. Silvia Biffignandi.
- Project approved from EU Fifth Framework program (SETN-2002-00040); international partners: Slovenia, Sweden, Italy and Germany.

2006/07 Agrifidi / University of Bergamo Bergamo, Italy

Rating of agrarian businesses

- Project financed by: Agrifidi, University of Bergamo, BPB Bank, BCC Bank, Coldiretti, Federfidi); Project approved from Lombardy Region.

2007

PRIN – Scientific Research National Project

- Participant to the National project “Inference with lacking auxiliary information: the sampling of elusive populations and the estimate for not planned domain” (2007) – Prot. 2007RHFBB3_003.
- Head of research unit: Prof.ssa Monica Pratesi; scientific coordinator: Prof. Giorgio Eduardo Montanari.

2007 City of Vimercate (MI) Vimercate (MI), Italy

Customer satisfaction of citizens survey project (“Faccio la mia parte – PGT Partecipato)

- Statistical consultant and head of the project.

2008 University di Bergamo Bergamo

Research Project “Production Price Index for Services in Canada”

- Head of research project financed by the University Funds (ex 60%, year: 2008).
- Collaboration with Zdenek Patak (*BSMD*, Statistics Canada, Ottawa, ON, Canada).

2008 University di Bergamo Bergamo

Project “Building trade and constructions in Bergamo – An historical, economical, and business interpretation”

- Results published in Cattaneo C., Della Valentina G., Galizzi G., Licini S., Toninelli D. (2008) “*Edilizia e costruzioni a Bergamo – Una lettura storica, economica e aziendale*”, Sestante edizioni, Bergamo.

2008 - today Statistics Canada Ottawa, Ontario (Canada)

Statistics Canada Project “Wholesale Survey – Service Producer Price Index”

- *Work-term* from January the 30th to March the 7th, 2008 and from June the 2nd to September the 26th, 2008. Short term collaboration with the *BSMD (Business Survey Methods Division)*; chief: Sylvie Gauthier; supervisor: Zdenek Patak.
- Research project: study of methodological challenges for the qualitative optimization of the collected data and of the price indexes estimates (SPPI – Service Producer Price Indexes - *Wholesale Survey*).
- The research project is currently under development (supervisor of the project: Zdenek Patak, Statistics Canada, Ottawa, ON, Canada).

2009 University of Bergamo Bergamo

Project “Imputation Strategies for Profit Margin Ratios for Services”

- Head of research project financed by the University Funds (ex 60%,

year: 2009).

- Collaboration with Zdenek Patak (*BSMD*, Statistics Canada, Ottawa, ON, Canada).

2010 University of Bergamo Bergamo

Project “Impact of non-response process and of missing data on the estimators bias of results of statistical surveys”

- Head of research project financed by the University Funds (ex 60%, year: 2010).
- Collaboration with Prof. Silvia Biffignandi (University of Bergamo), Prof. Enrico Fabrizi (University of the Sacred Heart - Piacenza).

2010 City of Vimercate Vimercate (MB)

Project “Integrated Program Project of the Comune of Vimercate (MB)”

- Statistic consultant, data analysis, reporting (survey project of the City of Vimercate). Collaboration with the Town-and-country Planning Office.

2010

Research Project “BLUE ETS”

- Participant to the VII Program “BLUE-ETS - Enterprise and Trade Statistics”.
- Project funded by the European Commission (VII PQ, COOPERATION Program, SSH, Collaborative Project, Large scale IP; Call identifier: FP7-SSH-2009-A).
- Promoting subject: ISTAT. Head of local research unit: Prof. Silvia Biffignandi (University of Bergamo); scientific head: Dott. Donatella Fazio (ISTAT).

2010-2013

Research project “Demographic and Food-farming Panel of Lombardy”

- Participant to the “PAADEL - Panel Agroalimentare Demografico Lombardo” project.
- Project funded by the Lombardy Region
- Scientific head: Prof. Silvia Biffignandi.

2011-2015

European Research Project “WEBDATANET: web-based data-collection - methodological challenges, solutions and implementations”

- MC (Management Committee) member of “WEBDATANET” network.
- European Project funded by COST (COST Action IS1004)
- Head of local research unit: Prof. Silvia Biffignandi.

2011 - 2013 University of Bergamo Bergamo, Italy

Project “The sampling second stage: how the methodology of selection affects the aging of a basket of goods and on the bias of the price index estimates”

- Head of research project financed by the University Funds (ex 60%, year: 2011).
- Collaborators: Prof. Silvia Biffignandi (University of Bergamo), Zdenek Patak (Statistics Canada), Sylvie Gauthier (Statistics Canada), Martin Beaulieu (Statistics Canada), Prof. Enrico Fabrizi (Università Cattolica del Sacro Cuore - Piacenza).

2012

Project “Conjunctural surveys on the manufacturing firms of the Monza and Brianza Province”

- Project funded by Confindustria - Monza e Brianza.
- Coordinator: Prof. Edoardo Della Torre (University of Bergamo).
- Role: sampling plan and supervision of its implementation for the survey developed by Confindustria – Monza e Brianza.

2012 - 2013 Statistics Canada Ottawa, ON, Canada

**Research project funded by “FYRE – Fostering Young REsearchers”
(Fondazione Cariplo 2011 “Promuovere la formazione di capitale umano di eccellenza”)**

- “FYRE – Fostering Young REsearchers” – Length of the project: 2012-2013; University funding project financed by the Fondazione Cariplo (2011) / prot. n. 22351/VII/001 del 18.11.2011.
- Research topic (collaboration with researchers of Statistics Canada): study of methodological issues pertaining the CPI (*Consumer Price Index*) estimates.
- Visiting researcher at the University of Ottawa (Department of Economics, Faculty of Social Sciences, 75 Laurier Avenue East, Ottawa, Ontario, Canada); director: Prof. Victoria Barham.
- First period (University of Ottawa, Ottawa, Ontario, Canada): October 29th 2012 - December 11th 2012; collaboration with Prof. Marc Prud’Homme (University of Ottawa & Statistics Canada) and with Patak Zdenek (senior methodologist, *BSMD -Business Survey Methods Division*, Statistics Canada).
- Second period (Statistics Canada, Ottawa, Ontario, Canada): June 22nd 2013 – August 2nd 2013; collaboration with the *BSMD (Business Survey Methods Division*, Statistics Canada); supervisor: Martin Beaulieu, with the collaboration of Catalin Duchitoiu.
- Collaboration currently in development: Martin Beaulieu is expected to visit the University of Bergamo in June 2014 to further develop the research project (visiting plans approved by Statistics Canada and approved and funded by the University of Bergamo in the framework of the project “ITALY® - Action 3 - Grants for Visiting Professor and Scholar, 2013).

2012-13 VŠB-Technical University Ostrava, Czech Republic

Post-Doctoral Research Collaboration with the VŠB-Technical University of Ostrava, Faculty of Economics, Finance Department; Project: “Module L-Managing, decision-making and modeling of economic and financial processes”

- Research project from September 2nd, 2012 to August 31st, 2013. Senior researcher: Tomáš Tichý (VŠB-Technical University of Ostrava).
- Collaboration renewed for a further year (from September 1st, 2013, to August 31st, 2014).
- Resignation for personal reasons (September 30th 2013).
- Research project developed in the framework of the plan “Opportunity for young researchers”, reg. no. CZ.1.07/2.3.00/30.0016, supported by Operational Programme Education for Competitiveness and co-financed by the European Social Fund and the state budget of the Czech Republic.

2013-14 University of Bergamo Bergamo, Italy

ITALY® - Action 3 - Grants for Visiting Professor and Scholar

- Progetto “Methodologies to enhance the representativeness of the CPI estimates”
- Collaboration with Martin Beaulieu and Catalin Dochitoiu (BSMD, Statistics Canada).
- 9-25 June 2014: Martin Beaulieu visiting researcher at the University of

Bergamo.

2014 University of Bergamo Bergamo, Italy

Project “Studies to enhance the computation methodology for CPI (Consumer Price Indexes), to apply clustering method to the study of financial time series and to use audio devices in web surveys”

- Project funded by the University of Bergamo (ex 60% found), year: 2014.
- Collaborators to the research: Prof. Silvia Biffignandi (University of Bergamo, Italy), Martin Beaulieu (Statistics Canada, Canada), Aleš Kresta (VŠB-Technical University, Ostrava, Czech Republic).

2014 Universitat Pompeu Fabra Barcelona, Spain

STSM - Project “Mobile web surveys: the panel agencies perspective”

- Research project developed at the RECSM (Research and Expertise Centre for Survey Methodology) – Department of Political and Social Sciences, Universitat Pompeu Fabra, Barcelona, Spain).
- STSM (Short Time Scientific Mission) as visiting researcher funded by COST-WEBDATANET. COST STSM Reference Number: COST-STSM-IS1004-23024.
- Period: December 9th 2014 – December 19th 2014. Collaboration with Mélanie Revilla.

2015 University of Bergamo Bergamo, Italy

Project “Potentialities of the Mobile Web Surveys in the framework of Survey Methodology and Optimization of the Price Indexes Computation”

- Project funded by the University of Bergamo (ex 60% found), year: 2015.
- Collaborators to the research: Prof. Silvia Biffignandi (University of Bergamo, Italy); Martin Beaulieu, Patak Zdenek and Catalin Dochitoiu (Statistics Canada, Canada); Melanie Revilla (RECSM - Research and Expertise Centre for Survey Methodology; Universitat Pompeu Fabra, Barcelona, Spain); Ana Slavec (University of Ljubljana, Slovenia).

Awards for the research activity

October 30th 2010 EBES Conference Athens, Greece
Premio “Best Paper Award”

- Paper: Ortobelli S., Angelelli E., Toninelli D. (2010), “Set-Portfolio Selection with the Use of Market Stochastic Bounds”, winner of the “Best Paper Award” as best paper of the “2010 EBES Conference – Athens”.
- Presented at the 2010 EURO XXIV European Conference, Lisbon, Portugal (July 11-14, 2010) and at the EBES 2010 - Eurasia Business and Economics Society Conference, Athens (October 28-30, 2010)
- Published in “EBES 2010 Conference – Athens – Program and Abstract Book”. ISBN: 9786056106910.
- Published in “Emerging Markets Finance & Trade”, Vol. 47, Supplement 5, pp. 5-24. DOI 10.2753/REE1540-496X47S0501 / ISSN 1540-496X / 1558-0938. Available at: <http://www.mesharpe.com/mall/results1.asp?ACR=REE>.

October 7th 2013 University of Bergamo Bergamo, Italy

“Cinque per Mille” Prize

- Researchers’ Award of the University of Bergamo for particularly distinguishing for the research developed in the last year.

Ordered by data

- Biffignandi S., Pratesi M., Toninelli, D. (2003), “*Potentiality of propensity scores methods in weighting for Web surveys: a simulation study based on a statistical register*”, (2003); paper presented at the ISI (International Statistical Institute) Conference – 54th Session, Berlino, Agosto 2003. ISBN: 9789073592308. Available online: <http://www.isi-web.org/publications/proceedings>; <http://isi.cbs.nl/iamamember/cd1/index.html>.
- Biffignandi S., Toninelli D. (2004-06), “*Statistica Aziendale – Controllo di Qualità*” Course-book; D.M.S.I.A.; Faculty of Economics and Business Administration (Cooperativa Studium Bergomense - Bergamo – edizioni: Aprile 2004/2005/2006).
- Toninelli D. (2004), “*Le indagini di customer satisfaction nei servizi. Il caso di una applicazione ai servizi bibliotecari*”. Department technical report no. 14/2004 – Research Series – D.M.S.I.A.; Faculty of Economics and Business Administration (Cooperativa Studium Bergomense - Bergamo - Novembre 2004).
- Biffignandi S., Toninelli D. (2005-06), “*Analisi Statistiche e Studio dei Mercati*” Course-book; D.M.S.I.A.; Faculty of Economics and Business Administration (Cooperativa Studium Bergomense - Bergamo - Febbraio 2005/2006).
- Biffignandi S., Toninelli D. (2005), “*Frames and Sampling in Web Surveys*”. Research project: WebSM (Web Survey Methodology – 6th EU Framework Program) Published on the WebSM web site (www.websm.org) - http://www.websm.org/uploadi/editor/1133720534GUIDE_1_Frames_and_sampling_in_web_surveys.pdf (December 2005). Published in Biffignandi S., Toninelli D. “*Sampling, inference and errors in web surveys*”, WebSM Project – Guidelines Series (Bergamo - December 2006).
- Biffignandi S., Toninelli D. (2005), “*Inference in Web Surveys*”. Research project: WebSM (Web Survey Methodology – 6th EU Framework Program) Published on the WebSM web site (www.websm.org) - <http://www.websm.org/uploadi/editor/1133878549inference.pdf> (December 2005). Published in Biffignandi S., Toninelli D. “*Sampling, inference and errors in web surveys*”, WebSM Project – Guidelines Series (Bergamo - December 2006).
- Biffignandi S., Toninelli D. (2005), “*Components of “Total Errors” in surveys*”. Research project: WebSM (Web Survey Methodology – 6th EU Framework Program) - Published on the WebSM web site (www.websm.org) - <http://www.websm.org/uploadi/editor/1133878830errors%20guidelines.pdf> (December 2005). Published in Biffignandi S., Toninelli D. “*Sampling, inference and errors in web surveys*”, WebSM Project – Guidelines Series (Bergamo - December 2006).
- Biffignandi S., Toninelli D. (2005), “*Campionamento per le Indagini via Web*”. Technical report – no. 1/2005 - D.M.S.I.A.; Faculty of Economics and Business Administration (Cooperativa Studium Bergomense - Bergamo – December 2005).
- Biffignandi S., Toninelli D. (2005), “*Sampling and Inference in Web Surveys*”. Technical report – no. 2/2005 - D.M.S.I.A.; Faculty of Economics and Business Administration (Cooperativa Studium Bergomense - Bergamo – December 2005).
- Toninelli D. (2006), “*The Measurement of Customer Satisfaction in an Italian Library*”. Paper presented at the 9th Toulon-Verona International Conference Excellence in Services “*Quality in Services*” (University of Paisley – Scotland – 7-8 September 2006).
- Biffignandi S., Toninelli D. (2006), “*An Integrated Database and a Statistical Analysis to evaluate Quality in University*”. Paper presented at

- the 9th Toulon-Verona International Conference Excellence in Services “Quality in Services” (University of Paisley – Scotland – 7-8 September 2006).
- Biffignandi S., Toninelli D. (2006), “*Un prototipo di integrazione di fonti per lo studio della soddisfazione dei laureati e dell’inserimento nel mondo del lavoro*”. Poster presented at the SAS Forum Italia 2006 (Fiera Milano City – Milano – 11-12 October 2006).
 - Biffignandi S., Toninelli D. (2006), “*Integrazione tra Archivi per l’Analisi degli Sbocchi Professionali dei Laureati – Un’analisi dei risultati*”. Technical report no. 11/2006 – Research series - D.M.S.I.A.; Faculty of Economics and Business Administration (*Cooperativa Studium Bergomense - Bergamo – Dicembre 2006*).
 - Biffignandi S., Toninelli D. (2007), “*Strumenti per la Qualità e il Controllo Statistico in Azienda*”. (Franco Angeli – Milano). ISBN: 978-88-46486-69-1. Available on line: <http://www.francoangeli.it>.
 - Bassani S., Toninelli D. (2008) “*Country tourist appeal and country image. The US market perspective*”. Paper presented at the 10th GBATA Conference “Evolution and revolution in the global knowledge economy: enhancing innovation and competitiveness worldwide” (University of Madrid – Spain – 8-12 July 2008). In *Global Business and Technology Association proceedings*, pp. 79-87. ISBN/ISSN: 1-932917-04-7.
 - Toninelli D. (2008), “*L’elaborazione dei dati*” in Cattaneo C., a cura di, Della Valentina G., Galizzi G., Licini S., Toninelli D. (2008) “*Edilizia e costruzioni a Bergamo – Una lettura storica, economica e aziendale*”, Sestante edizioni, Bergamo, p. 160-166. ISBN: 978-88-95184-79-1.
 - Biffignandi S., Toninelli D. (2008) “*Sampling quality in price indexes*”, *Proceedings of the Q2008 Conference*, 9-11 July 2008, Rome.
 - Toninelli D. (2008) “*Survey Techniques: an application to prices data for the computation of price indexes*”; PhD thesis.
 - Toninelli D. (2009), “*La validazione statistica del campione*”, in Cattaneo C., a cura di, Contrafatto M., Merisio F., Toninelli D. (2009) “*I sistemi di programmazione e controllo nelle aziende bergamasche – Risultati di una ricerca empirica*”, Sestante edizioni, Bergamo, p. 69-87. ISBN: 978-88-96333-13-6.
 - Patak Z., Toninelli D. (2009), “*Are prices surveys sample designs robust to aging weights? A simulation study*”, paper presented at the XXV International Methodology Symposium 2009 “*Longitudinal Surveys: from Design to Analysis*”, Gatineau, Quebec, Canada, 27-30 Ottobre 2009. In “*Proceedings of Statistics Canada Symposium 2009 - Longitudinal Surveys: from Design to Analysis*”, pp. 75-80. ISBN (CD): 978-0-660-65400-3 / ISSN: 1481-9678.
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dp/3639245377/ref=sr_1_4?ie=UTF8&s=books&qid=1271751744&sr=1-4.

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- Toninelli D., Patak Z. (2010), “*The Effect of Weights and Sampling Plans on Price Index Estimates: a Simulation Study*”, in JSM Proceedings, Statistical Computing Section. Alexandria, VA: American Statistical Association. Paper presented at the “2010 JSM – Joint Statistical Meetings”, Vancouver, BC, Canada, July 31-August 5, 2010. Published in “2010 JSM Proceedings”, ASA, pp. 1659-1671. ISBN: 978-0-9791747-9-7. Paper submitted to “JOS – Journal of Official Statistics” (Maggio 2010).
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- Biffignandi S., Toninelli D. (2011), “*Strumenti per la Qualità e il Controllo Statistico in Azienda – Seconda edizione rivista ed ampliata*”. Second edition (*Franco Angeli – Milano – 2011*). ISBN: 978-88-568-3763-6. Available at <http://www.francoangeli.it> and in book stores.
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- Biffignandi S., Toninelli D. (2012), “*Gli sbocchi professionali dei laureati: occupazione, professionalizzazione e soddisfazione*”, in the Conference Proceedings “Making decisions: the role of statistics for knowledge and governance/Prendere decisioni: il ruolo della statistica per la conoscenza e la governance - Raccolta short paper”. Available at: <https://sites.google.com/site/sisvsp/convegno-2012>. Paper presented at the conference “Making decisions: the role of statistics for knowledge and governance/Prendere decisioni: il ruolo della statistica per la conoscenza e la governance”, Rome, 19-20 April, 2012.
- Biffignandi S., Toninelli D. (2012), “*Impact of Audio Tools in Web Surveys*”, in Proceedings of the XLVI Scientific Meeting. Paper presented at the “46th Scientific Meeting of the Italian Statistical Society (SIS 2012)”, Rome, 20-22 June, 2010. ISBN: 978-88-6129-882-8.
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- Toninelli D., Biffignandi, S. (2013), "University Effectiveness measured through Postgraduate Employability", in "Advances in Latent Variables", Eds. Brentari E., Carpita M., SIS 2013-Statistical Conference Proceedings (June 18-21, 2013), Vita e Pensiero, Milan, Italy, ISBN 978-88-343-2556-8. Available at: <http://meetings.sis-statistica.org/index.php/sis2013/ALV/paper/view/2681> or <http://meetings.sis-statistica.org/index.php/sis2013/ALV/paper/viewFile/2681/478>.
- Angelelli, E., Ortobelli, S., Tichý, T., Toninelli, D. (2013), "International Portfolio Selection with Markov Processes and Liquidity Constraints", paper presented at the XIII ICSP-International Conference on Stochastic Programming, July 8-12 2013, University of Bergamo, Bergamo, Italy.
- Toninelli D., Patak, Z., Beaulieu, M. (2013), "Enhancing the Quality of Price Index Estimates Combining Updated Weights, a More Representative Sample Design and a Different Aggregation Structure", in 2013 JSM - Joint Statistical Meetings proceedings (August 3-9, 2013, Montreal, QC, Canada), Statistical Computing Section, pp. 2038-2052. Alexandria, VA: American Statistical Association. ISBN 978-0-9839375-3-1; available at: <https://www.amstat.org/membersonly/proceedings/2013/index.cfm>.
- Toninelli D., Beaulieu, M. (2013), "A New Idea to Enhance the Quality of Consumer Price Index Estimates", in 2013 Financial Management of Firms and Financial Institutions Conference proceedings (September 9-10, 2013, Ostrava, Czech Republic), pp. 966-972, ISBN: 978-80-248-3172-5; ISSN: 2336-162X; available at: http://www.ekf.vsb.cz/frpfi/en/Conference_proceedings/ (part: 3).
- Toninelli D., Beaulieu, M. (2013), "Using Frame Information to Enhance the Quality of a Price Index", in 2013 International Methodology Symposium proceedings (October 15-18, 2013, Ottawa, ON, Canada), ISSN: 1481-9678; available in late 2013 (final version already submitted).
- Angelelli, E., Ortobelli, S., Tichý, T., Toninelli, D. (2013), "International portfolio selection with Markov processes and liquidity constraints", in MME-Mathematical Methods in Economics 2013 proceedings (31st International Conference, September 11-13, 2013, Jihlava, Czech Republic), pp. 7-12. ISBN: 978-80-87035-76-4; available at: <https://mme2013.vspj.cz/about-conference/conference-proceedings>.
- Angelelli E., Ortobelli S., Tichý, T., Toninelli, D. (submitted: November 2013), "Markov processes and liquidity constraints in international portfolio selection problems", Special Issue of Quantitative Finance on Stochastic Optimization Approaches to Financial and Energy Markets, Consigli G. and Smeers Y., eds.
- Toninelli D., Patak, Z., (2013), "Impact of Aging Weights on Price Index Estimates under Various Sample Designs", to be submitted to the JOS-Journal of Official Statistics (submission: spring, 2014).
- Toninelli D., Beaulieu, M., Dochitioiu, C. (2014), "The Effects of a new Aggregation Structure on Consumer Price Index Estimates", paper presented at "SIS 2014 – 47th Scientific Meeting of the Italian Statistical Society" and published in conference proceedings (Cagliari, June 11-13 2014). ISBN: 978-88-8467-874-4; available at: <http://www.sis2014.it/proceedings/>.
- Toninelli D., Beaulieu M., Dochitioiu C. (2014), "Keeping price indices representative despite constant market changes using auxiliary information in index estimation formulae", paper presented at the "2014

JSM – Joint Statistical Meetings” (Boston, US, August 2-7 2014); published in JSM Proceedings, Statistical Computing Section. Alexandria, VA: American Statistical Association. 1973-1984. ISBN: 978-0-9839375-3-1; available at: <https://www.amstat.org/membersonly/proceedings/2014/>.

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- Revilla, M., Toninelli, D., Ochoa, C. and Loewe, G. (2014a). “*Who has access to mobile devices in an online commercial panel? An analysis of potential respondents for mobile surveys*”. University of Amsterdam, AIAS Working Paper 150 (November 2014). Available at: <http://www.uva-aias.net/publications/show/1977>. ISSN online: 2213-4980; ISSN print: 1570-3185. Paper submitted and accepted for the forthcoming book (2015) “Mobile research methods” on mobile web surveys (WEBDATANET – TF19).
- Revilla M., Toninelli D., Ochoa C., Loewe G. (2014b). “*Do online access panels really need to allow and adapt surveys to mobile devices?*”. RECSM - Research and Expertise Centre for Survey Methodology, RECSM Working Paper 41 (October 2014). Available at: http://www.upf.edu/survey/_pdf/RECSM_wp041.pdf.
- Slavec A., Toninelli D. (2014). “*Mobile CATI: An Overview of Issues*”. University of Amsterdam, AIAS – Webdatanet Working Paper 153 (November 2014). Available at: <http://www.uva-aias.net/publications/show/1982>. ISSN online: 2213-4980; ISSN print: 1570-3185. Paper submitted and accepted for the forthcoming book (2015) “Mobile research methods” on mobile web surveys (WEBDATANET – TF19).

Papers presented and International conferences, seminars

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|-----------------------|--|---------------------|
| March, 27-28 2003 | Camera di Commercio | Cadice, Spain |
| | <ul style="list-style-type: none"> • International meeting on project: “<i>EUropean DIstance Training system on STATistical Techniques for quality improvement</i>” (EUDITSTAT); Leonardo da Vinci project (2000-2006) – Cádiz meeting. | |
| September, 26-28 2005 | Internat. Center of Croat. Univ. | Dubrovnik (Croatia) |
| | <ul style="list-style-type: none"> • Workshop “<i>ESF 2005 – Workshop on Internet survey methodology: Toward concerted European research efforts</i>”. | |
| October 7-8 2006 | University of Paisley | Paisley - Scotland |
| | <ul style="list-style-type: none"> • 9th Toulon-Verona International Conference Excellence in Services “<i>Quality in Services</i>”. • Paper presented: Toninelli D., “<i>The Measurement of Customer Satisfaction in an Italian Library</i>”. • Paper presented: Biffignandi S., Toninelli D., “<i>An Integrated Database and a Statistical Analysis to evaluate Quality in University</i>”. | |
| October 11-12 2006 | Fiera Milano City | Milan |
| | <ul style="list-style-type: none"> • Conference: “<i>SAS Forum Italia 2006</i>”. • Paper presented: Biffignandi S., Toninelli D., “<i>Un prototipo di integrazione di fonti per lo studio della soddisfazione dei laureati e dell’inserimento nel mondo del lavoro</i>”. | |

- 18 March 2012 Gesis-Zuma Mannheim, Germany
- International meeting “3rd WEBDATANET MC Meeting” (ECOST-MEETING-IS1004-301111-012294); WEBDATANET project - COST Action IS1004.
- 19-20 April 2012 Rome, Italy
- Conference “Making decisions: the role of statistics for knowledge and governance/Prendere decisioni: il ruolo della statistica per la conoscenza e la governance”.
 - Paper presented: Biffignandi S., Toninelli D. (2012), “Gli sbocchi professionali dei laureati: occupazione, professionalizzazione e soddisfazione”.
- 20-22 June 2012 Rome, Italy
- International Conference “46th Scientific Meeting of the Italian Statistical Society (SIS 2012)”.
 - Paper presented: Biffignandi S., Toninelli D. (2012), “Impact of Audio Tools in Web Surveys”.
- 10-11 September 2012 Ostrava, Czech Republic
- 6th international scientific conference “Managing and modelling of financial risk”.
 - Presentation: Toninelli D., “Towards the Improvement of Price Index Estimates Quality: Past and Future Ideas”.
- 6-8 March 2013 University of Mannheim Mannheim, Germany
- International meeting “5th WEBDATANET MC Meeting” (ECOST-MEETING-IS1004-301111-012294); WEBDATANET project - COST Action IS1004.
- 18-21 June 2013 University of Brescia Brescia, Italia
- SIS 2013-Statistical Conference “Advances in Latent Variables”.
 - Paper: Toninelli D., Biffignandi, S. (2013), “University Effectiveness measured through Postgraduate Employability”.
- 8-12 July 2013 University of Bergamo Bergamo, Italia
- XIII ICSP-International Conference on Stochastic Programming.
 - Paper presented: Angelelli, E., Ortobelli, S., Tichý, T., Toninelli, D. (2013), “International Portfolio Selection with Markov Processes and Liquidity Constraints”.
- 3-9 August 2013 Palas de congrès de Montréal Montreal, QC, Canada
- 2013 JSM - Joint Statistical Meetings.
 - Paper presented: Toninelli D., Patak, Z., Beaulieu, M. (2013), “Enhancing the Quality of Price Index Estimates Combining Updated Weights, a More Representative Sample Design and a Different Aggregation Structure”.
- 9-10 September 2013 Ostrava, Czech Republic
- 2013 Financial Management of Firms and Financial Institutions Conference.
 - Paper presented: Toninelli D., Beaulieu, M. (2013), “A New Idea to Enhance the Quality of Consumer Price Index Estimates”.
- 11-13 September 2013 College of Polytechnics Jihlava Jihlava, Czech Republic

- 31st International MME Conference (Mathematical Methods in Economics).
- Paper presented: Angelelli, E., Ortobelli, S., Tichý, T., Toninelli, D. (2013), “International portfolio selection with Markov processes and liquidity constraints”.

15-18 October 2013 Ottawa Convention Centre Ottawa, Ontario, Canada

- 2013 International Methodology Symposium.
- Paper presented: Toninelli D., Beaulieu, M. (2013), “Using Frame Information to Enhance the Quality of a Price Index”.

12-14 December 2013 Universitat Pompeu Fabra Barcelona, Spain

- International conference “1st Southern European Conference on Survey Methodology (SESM).

31 March – 2 April 2014 7th WEBDATANET meetings Larnaca, Cyprus

- “7th WEBDATANET meetings, workshops and Conference on Mobile Research” (Larnaca, Cyprus, 31 March – 2 April 2014).
- Presentation of the paper: Slavec A., Toninelli D., “Mobile CATI: An Overview of Issues”.

11 - 13 June 2014 7th SIS Conference Larnaca, Cyprus

- “SIS 2014 – 47th Scientific Meeting of the Italian Statistical Society” (Cagliari, Italy, 11 – 13 June 2014).
- Presentation of the paper: Toninelli D., Beaulieu, M., Dochitoiu, C. “The Effects of a new Aggregation Structure on Consumer Price Index Estimates”.

2 – 7 August 2014 2014 JSM Boston, US

- “2014 JSM – Joint Statistical Meetings” (Boston, US, 2-7 August, 2014).
- Presentation of the paper: Toninelli D., Beaulieu M., Dochitoiu C., “Keeping price indices representative despite constant market changes using auxiliary information in index estimation formulae”.

1 – 3 December 2014 2014 ISM Workshop Bozen, Italy

- “7th Internet Survey Methodology workshop”, Bozen/Bolzano, Italy (Free University of Bozen/Bolzano).
- Title of the presentation: “The need of and the demand for completing surveys on mobile devices”. Slide available here: <http://workshop.websm.org/dbarchive/14/Bibliography/?&cat=25&p1=410&p2=181&p3=453&p4=0&id=453&type=0>

10 December 2014 RECSM–Universitat Pompeu Fabra Barcelona, Spain

- “RECSM Lunch meeting/seminar”.
- Presentation title: “The Need of and the Demand for Completing Surveys on Mobile Devices”; authors: Toninelli D., Revilla M..

Organized seminars

26 February 2010 University of Bergamo Bergamo, Italia

- Seminar: “Auditel: the measurement by means of Panel surveys of the television audience in Italy”.
- Speaker: Dott.ssa Rosanna Tamburrano (Statistical manager AGB Nielsen Media Research).

- 10 June 2010 University of Bergamo Bergamo, Italia
- Seminar: “La FMEA come metodologia di miglioramento aziendale”.
 - Speaker: Ing. Luca Moiraghi (Responsible for the development of new products - MEMC Electronic Materials).
- 2 March 2011 University of Bergamo Bergamo, Italia
- Seminar: “Auditel: the measurement by means of Panel surveys of the television audience in Italy”.
 - Speaker: Dott.ssa Rosanna Tamburrano (Statistical manager Nielsen TV Audience Measurement).
- 18 Giugno 2014 University of Bergamo Bergamo, Italia
- Seminars: “An Overview of Statistics Canada and its Methodology Branch” and “The CPI - Consumer Price Index at Statistics Canada”.
 - Speaker: Martin Beaulieu (Senior methodologist, BSMD - Business Survey Methods Division, Statistics Canada).

Memberships

2006-today

- *SIS* (Italian Statistical Society) member from June 2006.

2007-today

- Member of the D.M.S.I.A. (Department of Mathematics, Statistics, Informatics and Applications); Faculty of Economics and Business Administration (University of Bergamo).

2008-2009

- *SSC* (Statistical Society of Canada) member in 2008 and 2009.

2009-today

- Interdepartmental Center for Statistical Analysis (*CASI*) member (University of Bergamo).

2010

- *ASA* (*American Statistical Association*) member.

2013-today

- Member of the Teaching Board of the Department of Management, Economics and Quantitative Methods.

2013-2015

- Membro *ASA* (*American Statistical Association*).

2013-today

- Membro *ASA* (*American Statistical Association*).

2013/14 (XXIX course) e 2014/15 (XXX course)

- Member of the Teaching Board of the PhD Course “AEB - Analytics for Economics and Business” (University of Bergamo and Brescia).
- Coordinator: Prof.ssa Marida Bertocchi.
- Involved departments: Department of Management, Economics and Quantitative Methods (University of Bergamo), Department of Economics and Management (University of Brescia).

Other work experiences

1994 - 2001 IBM – Semea / Celestica Vimercate (MI), Italy

Production operator

- Full-time job: temporary employment. Different periods from July, 1994 to May 1996 (40 hours/week)
- Part-time job: temporary employment. Different periods from July 1998 to November 2001 (weekend-job: 20 hours/week).

1997-1998 Vimercate Public Library Vimercate (MI), Italy

Civil Service employee

- Civil military service.

2002-2003 Multiplex Arcadia Melzo (MI), Italy

Multiplex employee

- From February 2002 to June 2003 (part time job: 28 hours/week).

Software knowledge and courses

- *IBM – Semea S.p.A.* autodidactic courses: Introduction to P.C., DOS 5.0, Shell DOS 5.0, Windows 3.1, Lotus 1-2-3 base, introduction to C language.
- *Office (Access, Excel, Word, Power Point, Front Page, Explorer, Outlook, Outlook Express).*
- *SPSS, SAS, R, E-Views, SAS Enterprise Guide.*
- “*Elementi di base dei pacchetti statistici SAS*”. June 10th – July, 8th 2005 – University of Bergamo
- SIS (Italian Statistical Society) School – “*R programming for research in Statistics*” (22-25 June 2009, University of Palermo, Palermo, Italy)
- Course “*Evaluation and improvement of survey questions using Survey Quality Prediction (SQP)*” (2-3 July 2012, Univerisitat Pompeu Fabra Barcelona, Spain; organized by RECSM).
- Course “*My First Bayes: Why and How to Run Your First Bayesian Model using MPlus*” (10-11 December 2013, Univerisitat Pompeu Fabra Barcelona, Spain; organized by).
- Web site: “*Movie Maniac*” (www.moviemaniac.it).
- Video editing software: *Pinnacle Studio 9, Windows Movie Maker, Studio Pro Gold.*

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