

## Silvia Biffignandi

### WORK EXPERIENCE

Present **Full professor in Statistics applied to Business and Economics**  
University of Bergamo, 2, via dei Caniana, 24127, Bergamo, BG, Italy, [www.unibg.it](http://www.unibg.it)

Business or Economic Statistics

2016-present **Member of CESC Center of University of Bergamo, head of Section CAS**

2007-2015 **Director of CASI (Center for Statistical Analyses and Interviewing/Surveys)**  
University of Bergamo, 2, via dei Caniana, 24127, Bergamo, BG, Italy, [www.unibg.it](http://www.unibg.it), since 2016 CASI has become a section of CESC

Business or Economic sector Statistics

2012-Present **Coordinator of the Evaluation board**  
1995-2002 University of Bergamo, 2, via dei Caniana, 24127, Bergamo, BG, Italy, [www.unibg.it](http://www.unibg.it)

Business or Economic sector University evaluation board

A.Y. 2002/03-2008/09 **Head of the Dipartimento di Matematica, Statistica, Informatica e Applicazioni**  
A.Y.1990/91-1995/96 University of Bergamo, 2, via dei Caniana, 24127, Bergamo, BG, Italy, [www.unibg.it](http://www.unibg.it)

Business or Economic sector University

OTHER TEACHING ACTIVITIES **Teaching statistics at various professional courses for managers**

January 2013 **Teacher at the ISTAT (National Statistical Institute) School on Web Surveys, Rome**

### EDUCATION AND TRAINING

#### Laurea quadriennale

University of Pavia, 12, viale Torquato Taramelli, 27100, Pavia, PV, Italy

Business and economic statistics; marketing research, social sciences and territorial analyses

University of Essex (UK) Summer School on specific statistical topics

### PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	B2	B2	B2	B2	B2
French	B2	B2	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience in project management, task force

management, teaching, research and consulting activities.

#### Organisational / managerial skills

Excellent project management and leadership skills, acquired during more than 10 years of experience in research group coordination and management of the following projects:

##### International projects

- 2010-2013 Blue - Enterprise and Trade Statistics" VII-th Eu Program
- 2001-2003 International European project WebSm (Web survey methodology)
- 2001-2003 Pilot international project "European Distance Training system on Statistical Techniques for quality improvement" (EUDISTAT), Leonardo project
- 2011-2014 "WEBDATANET: web-based data-collection - methodological challenges, solutions and implementations." Network; job leader of Working Group 3 "Guidelines, codes, standards, implementation and dissemination"

##### National projects

- 2010-2012 "Agri-food and Demographic Panel for Lombardy" (Panel Agro-Alimentare e Demografico Lombardo - PAADEL), Lombardy region project.
- 1-6/2013 I-TE Increase Technical Education Project: changing trend, Confindustria Bergamo project
- 4/2013-3/2014 Italy Project – Azione: Giovani in Ricerca 2013 "Web data collection for decision making",
- 6/2011-12/2011 Analysis on low-cost passengers and hotel demand in the tourism industry, Bergamo Province
- 1/2012-10/2012 Analysis on low-cost passengers and hotel demand in the tourism industry (second phase), Bergamo Province
- MIUR (Research Ministry) 40% projects:
  - 2003 "Misura Ed Analisi Statistica Della Specializzazione Territoriale Del Sistema Produttivo Italiano In un'economia Basata Sulla Conoscenza"
  - 2001 "L'utilizzo di nuove strategie dei dati e dell'informazione statistica per lo studio e il governo dei sistemi economici" (also national scientific coordinator of the project)
  - 1999 "Schema interpretativo, metodologie e criteri per la qualità negli enti territoriali del SISTAN"
  - 1997 "Definizioni, classificazioni e metodologie per l'utilizzo di microdati di archivi amministrativi e d'indagine per l'analisi economica"
  - 1996 and 1995 "Unità statistiche, unità di rilevazione: definizioni, classificazioni e metodi di analisi"
  - 1994 "Sistema statistico delle imprese: integrazione tra dati amministrativi e indagini"

#### Job-related skills

Excellent knowledge in the area of statistics applied to business and economics, acquired in the professional context and during many years of expertizing in the economic statistics sector, official statistics and surveys, and evaluation and efficiency area (especially in the education sector). Some of them are listed below:

##### International level

Expert at Eurostat on projects on business statistics, enterprise group data feasibility, integrated statistical system, satellite accounting, business data.  
Expert for Istat commissions on Intermediate Census and for business register and administrative data

##### International level expertising

- 2014-present Member of the Scientific Advisory Board of the Understanding Society Panel, University of Essex.

##### National level expertising

- 2015 Nomination from the Prime Minister as a member of the Istat (National Statistical Institute) Council
- 2012-2013 Member elected of the Board of the Gruppo di Coordinamento (Metodologie per le indagini campionarie – Survey Sampling Group, S2G) of the Italian Statistical Society
- 2008-2010 Member Scientific Advisory board for Statistics of Unioncamere, Rome
- 2003-2008 Member of the Scientific Committee of the Excelsior Labour Statistics Information System, Unioncamere, Labour Ministry project
- 2002-present Representative of the University Rector/ statistical expert for Cilea (Lombardy consortium of universities) for the STELLA project on post-graduate employment survey and related studies.
- 1996 Expert of the Advisory Committee on Statistics of Italian Prime Ministry Cabinet (Commissione di Garanzia per l'Informazione Statistica) for the Group on "Statistical System of Businesses"
- Since 2009 Fellow of the Permanent Group of the Italian Statistical Society on Official Statistics
- Since 2006 Fellow of the Permanent Group of the Italian Statistical Society on Survey Methodology
- 1994-1995 Expert fellow in the Commissione ISTAT per la Progettazione del Censimento Intermedio dell'Industria e dei Servizi (Commission for the 1996 Industrial Census); in particular coordinator of the sub-group for the "Study of the long form questionnaire"
- Since 1997 Expert fellow in the ISTAT (National Institute) Working Group "Utilizzo di dati amministrativi a fini statistici per la produzione di statistiche strutturali sui risultati economici delle imprese" ("Use of administrative data for statistical purposes in the production of the structural statistics on the economic performance of businesses")

- 1993-1996 Fellow expert of the Scientific Groups of the Italian Statistical Society: group on “ Statistical System of Businesses: surveys and databases integration”
- 1983-1989 Fellow expert of the Scientific Groups of the Italian Statistical Society group on “Time Series Analysis”

#### Some research topics

- Impact of education and cultural events
- Big data economic statistics problems
- Digital economy and labour
- Survey and Web surveys; web data collection
- Statistical integrated system of businesses and administrative databases, business register; questionnaire for census;
- Satellite accounting
- Local information systems;
- Business birth and death; small firms behaviour;
- Enterprise groups analysis;
- Distribution and trade sector analyses;
- Statistical analysis of the international trade and of the industrial system;
- New methodological results on shift-share analysis (proposal of new components, properties, methodology for synthesizing results and of economic typologies of development); territorial and sectoral economic analyses
- Microeconomic analysis and efficiency evaluation
- Time series analysis and forecasting

#### Computer skills

- Good command of Microsoft Office™ tools
- Internet navigation
- Survey packages

#### Driving licence

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### ADDITIONAL INFORMATION

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#### Member of the Scientific Committee of International Conferences and participation to the respective conference

- NTTS17 (New Techniques and Technologies for Statistics), Eurostat Conference, Bruxelles, March 2017
- NTTS15 (New Techniques and Technologies for Statistics), Eurostat Conference, Bruxelles, March 2015
- NTTS13 (New Techniques and Technologies for Statistics), Eurostat Conference, Bruxelles, March 2013
- ITACOSM2017 (Italian Conference on Survey Methodology), Bologna, June 2017
- ITACOSM2013 (Italian Conference on Survey Methodology), Milan, June 2013
- WEBDATANET FINAL CONFERENCE, Salamanca, 2015
- GOR (German Online Research) 2013 Conference
- Italian Scientific Society bi-annual Conference, Rome, June 2012
- ISM12 (Internet Survey Methodology 2012), Ljubljana, November 2012
- NTTS11 (New Techniques and Technologies for Statistics), Eurostat Conference, Bruxelles, February 2011
- ISM09 (Internet Survey Methodology 2009) organizer and scientific committee, Bergamo, September 2009
- NTTS09 (New Techniques and Technologies for Statistics), Eurostat Conference, Bruxelles, February, 2009
- ISM07 (Internet Survey Methodology workshop 2007) scientific committee, Lillehammer, Norway, September 2007
- SAE (Small area estimation – Conference), ISI Conference Satellite Meeting, Pisa, September, 2007
- ICES-II (International Conference on Establishment Surveys-II) Buffalo, June 2000
- CAED97 (Conference on Analysis of Economic Data), organizer and scientific committee, Bergamo, December 1997 (Conference in collaboration with Istat, Eurostat)
- CAED96 (Conference on Analysis of Economic Data), Helsinki , June 1996 (Conference in collaboration with Statistics Finland, Eurostat)
- ICES-I (International Conference on Establishment Surveys), Buffalo (USA), June 1993 organizer of the session on "Frame and sampling approaches for business surveys" and paper on "Administrative registers and national surveys"
- Conference "Verso un sistema statistico integrato delle imprese in Europa" ("Towards a statistical integrated system in Europe"), October 1993, Bergamo; collaboration with Istat, Unioncamere

and Eurostat

Participation to conferences as  
Invited speaker or discussant

Organizer of the session “Adaptive Sampling” at the ITACOSM17  
Conferemces Organizer and Chair of the Specialized session on Big Data at the fifth  
international conference on establishment surveys (ICES V), Geneva, June 2016  
Invited participation to Eurostat a workshop “**Big data Europe**”, tenutosi a  
Lussemburgo presso Eurostat il 18 novembre 2015  
Session organizer of sessions on Errors in Web surveys at the following conferences:  
TSE15 (total survey error 2015) conference Baltimore September 2015.  
Webdatanet final Conference, Salamanca, 2015  
EAM, Utrecht, 2014,  
Discussant at the 8th Scientific Meeting of the Classification and Data Analysis Group of the Italian  
Statistical Society (CLADAG), Pavia (Italy), 7-9 September 2011  
Discussant at the Italian Conference on Survey Methodology (ITACOSM), Pisa (Italy), 27-29 June  
2011  
Invited presentation on “Modelling non sampling and participation in Web Surveys” at the Italian  
Statistical Society Conference, 2010  
Conference of the Italian Statistical Society, “Statistical Analysis for the Analysis of Large Data-Sets”,  
invited presentation on Web surveys: methodological problems and research perspectives,  
September 2009. ISDN 978 88 6129 566 7  
ITACOSM09 (First Italian Conference on Survey Methodology), invited presentation on Imperfect  
frames and new data collection techniques, June 2009  
Discussant of the “OCDE tourism satellite account” and author of the paper on “Tourism satellite  
account” at the International Conference of the IAOS (International Association of Official  
Statistics), The Hague, may 26-28, 1999  
Discussant of the specialized session on “Tools for the diffusion of statistical information”,  
Conference “Towards the Censuses of the year 2000” of the Italian Statistical Society, Udine,  
1999  
Discussant for the invited session on “The evaluation of the performance of public services” at the  
Conference of the Italian Statistical Society, Sorrento, 1998  
Plenary session invited speaker on “State of art and perspectives of the statistical analysis of  
businesses: Users, problems and methods”, Conference “Statistical Information on  
Businesses” of the Italian Statistical Society, Turin, 1997  
Invited speaker on “Databases integration and statistical enterprise system” at the XXXVII Italian  
Statistical Society Conference, San Remo, 1994

Coouses attending

Attending the following courses:  
“Total Survey Error Framework Essentials” tenuto del prof Paul Biemer (RTI  
e University of North Carolina) e Lars Lyberg (University of Stockholm),  
18 settembre 2015  
“Survey research using emerging technologies”, tenuto da Trent Burskrik,  
Stoccolma, giugno 2015

Participation in Workshops on  
Business Statistics

BLUE-ETS Workshop on Response Burden and Motivation Research, Heerlen, The Netherland,  
21-24 March 2011  
Fourth International Workshop on Business Data Collection Methodology (BDCM 2011),  
Neuchatel, Swiss, September 2011  
Third International Workshop on Business Data Collection Methodology (BDCM 2010), Destatis,  
Germany Wiesbaden, 28-30 April 2010  
First Working group meeting on Design and Test of e-Questionnaires with Eurostat Regulations,  
Statistics Denmark, 25-26. February 2010  
Second International Workshop on Business Data Collection Methodology (BDCM 2008), Statistics  
Canada, Ottawa, 22-24 October 2008

Participation in Workshops on Web  
surveys

Member of the scientific committee of different edition of the ISM (Internet Survey Methodology)  
Workshop held – since 2005 – approximately every two years in different location around  
Europe Organizer of the ISM2009 workshop at the Bergamo University.

Publications

Books

Biffignandi S. (editor), *Il panel agro-alimentare e demografico lombardo (PAADEL), Un'infrastruttura  
di monitoraggio dell'innovazione nella produzione e nei consumi del settore agroalimentare*,  
Franco Angeli, Milano, 2012.  
Biffignandi S., Chiesa F., *Il comparto alimentare e beverage. Produzione, consumo, packaging e*

- macchinari*, Franco Angeli, Milano, 2012.
- Biffignandi S., Bethlehem J., *Handbook of Web Surveys*, Wiley, Hoboken, United States, 2012, ISBN 978-0-470-60356-7
- Biffignandi S., Toninelli D., *Strumenti per la qualità e il controllo statistico in azienda* (second edition), Franco Angeli, Milano, 2011, ISBN 9788856837636
- Biffignandi S., Gozzi G., *Qualità e informazione statistico economica territoriale: aspetti del processo di formazione dei dati e delle metodologie di analisi*, Franco Angeli, Milano, 2003, ISBN: 9788846445841
- Biffignandi S. (editor), *Micro and Macrodata of Firms, Statistical Analyses and International Comparison*, Physica Verlag, 1999.
- Biffignandi S., Martini M. (editors), *Il registro statistico europeo delle imprese in Europa. Esperienze e metodi per la sua costruzione in Italia*, (European business register in Europe. Experiences and methods for its construction in Italy), Franco Angeli, Milano, 1995.
- Biffignandi S., *Aspetti metodologici e interpretativi dell'analisi shift-share*, (Methods and interpretation of the shift-share analysis), Cedam, Padova, 1993.
- Biffignandi S., *Il sistema industriale della Lombardia*, (Industrial system in Lombardy), Quaderni de L'Industria, Il Mulino, Bologna, 1987.
- Biffignandi S., *Money, Monetary Base and Inflation in Italy: A Study based on Time Series Analysis*, Collana dell'Istituto di Studi Politico-Economici, Giuffrè, 1983.

Some papers and chapters in books

- Bianchi A., Biffignandi S. (2018), «Social indicators to explain response in longitudinal studies», *Social Indicators Research*. DOI: 10.1007/s11205-018-1874-7 ISSN: 0303-8300 (Print) 1573-0921 (Online) doi: [10.1007/s11205-018-1874-7](https://doi.org/10.1007/s11205-018-1874-7)
- Bianchi, A. , Biffignandi, S. «Employment and Firm Size during Crises: the Italian Case», *Growth and Change*. DOI: 10.1111/grow.12247
- Bianchi, A., Biffignandi, S., (2017) «The effect of size on business net change during crises: a multifactor partitioning analysis of Italian regions during 2007–2010», *Letters in Spatial and Resource Sciences*., ISSN: 1864-4031 (Print) 1864-404X (Online)
- Bianchi, A., Biffignandi, S., (2016) «Targeted letters: Effects on sample composition and item non-response», *Statistical Journal of the International Association for Official Statistics*. ISSN:1874-7655(P) 1875-9254 (E), doi: 10.3233/SJI-150191
- Bianchi, A., Biffignandi, S. , Lynn, P (2017) «Web-CAPI sequential mixed mode design in a longitudinal survey: effects on response rates, sample composition and costs», *Journal of Official Statistics*.
- Bianchi, A. , Biffignandi, S.,( 2017) «Panel for general population study: representativity», *Mathematical Population Studies*, ISSN: 0889-8480 (Print), 1547-724X (Online)
- Biffignandi, Silvia; Nascia, Leopoldo; Zeli, Alessandro, (2016), Combining survey and administrative data in Italian business surveys, : Journal Of Economic And Social Measurement,ISSN: 0747-9662 Publisher: IOS Press:Nieuwe Hemweg 6B, 1013 BG Amsterdam Netherlands:011 31 20 6883355, Ance: E091488 Nature: R
- Bettinelli, Cristina; Bergamaschi, Mara; Kokash, Rasmi; Biffignandi, Silvia, (2016), Process Innovation, Alliances, and the Interplay of Firm Age: Early Evidence from Italian Small Firms, *International Business Research*, Canadian Center of Science and Education,10.5539/ibr.v9n5p86
- Bianchi, A., e Biffignandi, S. (2015), «The representativity of a panel for the general population», , Supplement, 6(3),
- ARRUDA FILHO, Emilio J. M.; Biffignandi, Silvia, (2016), Utilitarian Characteristics Reducing Guilt: Perceived Values in the Justification of Choice, *International Journal Of Information Technology And Management*38. ISSN: 1757-9597. ISSN: 1461-4111; Olney (PO Box 735 Olney, Bucks, MK46 5WB) : Inderscience Enterprises, 2002- Ance: E085421



Bianchi, A. e Biffignandi, S. (2015), «Targeted designs in surveys and longitudinal studies», in: *New Techniques and Technologies for Statistics*, Brussels, March 9-13 2015, Eurostat – European Commission, 1-4, DOI 10.2901/EUROSTAT.C2015.001

Bianchi, A. and Biffignandi, S. (2015), «The Paadel Panel: a Probability-based Panel for Consumer Studies», *Italian Journal of Applied Statistics* 23(3), 307-330, fascicolo anno 2011. ISSN: 1125-1964

Steinmetz, S., Bianchi, A., Tijdens, K., e Biffignandi, S. (2014) «Improving Web Survey Quality – Potentials and Constraints of Propensity Score Weighting». In Callegaro, M., Baker, R., Bethlehem, J., Göritz, A., Krosnick, J.A., e Lavrakas, P.J. (eds.) «*Online Panel Research: A Data Quality Perspective*», Wiley, Chichester. 273-298. ISBN: 978-1-119-94177-4

Bianchi, A. e Biffignandi, S. (2013) «Responsive design for mixed-mode panel data», in Nicolussi, F. e Mecatti, F. (eds.) «*Book of abstract, Italian Conference on Survey Methodology*», Libreria Universitaria edizioni, 41-42, ISBN: 978-886292-390-3.

Bianchi, A. e Biffignandi, S. (2013), «Web panel representativeness», In Giudici, P. Ingrassia, S. e Vichi, M. (eds) «*Statistical Models for Data Analysis*», Springer, Berlin, 37-44. ISBN 978-3-319-00031-2

Biffignandi S., Bethlehem J., Web surveys: methodological problems and research perspectives, in Di Ciaccio A., Coli M., Angulo Ibanez J. M., *Advanced statistical methods for the analysis of large data-sets*, Series: Studies in theoretical and applied statistics, Subseries: Selected papers of the statistical societies, 484, 363-373, 2012, ISBN 978-3-642-21036-5

Biffignandi S., *Integrated Analysis*, Chapter 5, in Kennett R. S. and Salini S., *Modern analysis of customer surveys: with applications using R*, 500, 71-88, Wiley, Hoboken, United States, 2011, ISBN 978-0-470-97128-4

Bianchi A., Biffignandi S., *Sampling new businesses and analyzing their performances*, *Survey Research Methods and Applications: Proceedings of the Second ITACOSM Conference*, Edizioni Plus, 121-124, 2011. ISBN: 978-88-8492-772-9

Biffignandi S., Torres van Grinsen V., Bolko I., Bavdaž M., *Motivation in business surveys*, *Proceedings of the BLUE-ETS Workshop on Response Burden and Motivation in Research*, editors Deirdre G., Bavdaž M., March 2011, ISBN 978-90-357-2060-2

Biffignandi S., Oehler M., Bolko I., Bavdaž M., *Use of NSI Statistics in Textbooks*, *Proceedings of the BLUE-ETS Workshop on Response Burden and Motivation in Research*, editors Deirdre G., Bavdaž M., March 2011, ISBN 978-90-357-2060-2

Biffignandi S., Ray M., Lamarche R.H., *The Geography of Employment Growth in Western Canada: A Regional Typology based on Multifactor Partitioning*, *Proceedings of the Canadian Association of Geographers*, Montreal, May 31-June 4, 2011

Biffignandi S., *Internet Survey Methodology - recent trends and developments*, in Lovric M., *International Encyclopedia of Statistical Science*, Springer, Berlin, Germany, 2010, Approx. 1500 p., Hardcover ISBN: 978-3-642-04897-5

Biffignandi S., *Modeling non-sampling errors and participation in Web surveys*, *Proceedings of the 45th SIS Scientific Meeting*, Padova, 16-18 June, 2010, ISBN 978-88-6129-566-7

Biffignandi S., Toninelli., Fabrizi E., *The Effects of Non-Response Reweighting on Estimators' Precision in a Web Survey*, *Proceedings of 45th SIS Scientific Meeting*, Padova, 16-18 June, 2010, ISBN 978-88-6129-566-7

- Biffignandi S., Zeli A., Integrating databases over time: what about representativeness in longitudinal integrated and panel data?, Proceedings of the Q2010 Conference, 3-5 May, 2010
- Bianchi A., Biffignandi, S., Average regional income estimation in the agro-food sector using M-quantile small area methods, Proceedings of the Conference 11th European Symposium on Statistical Methods for the Food Industry, Academy School, 2010, 409-414. ISBN: 88-901015-8-X
- Biffignandi S., Bianchi A., Modelling some Entrepreneurship factors, Proceedings Challenges for Analysis of the Economy, the Businesses, and Social Progress International Scientific Conference, Szeged (Hungary), November 19-21, 2009, Unidocument Kft., Szeged, Hungary, 2010, ISBN 978-963-069-558-9
- Biffignandi S., Fabrizi E., Toninelli D., An experiment on the effects of non-response reweighting on estimators' precision in a web survey, Proceedings Challenges for Analysis of the Economy, the Businesses, and Social Progress International Scientific Conference, Szeged (Hungary), November 19-21, 2009
- Biffignandi S., Bethlehem J., Web surveys: methodological problems and research perspectives, Proceedings of the Conference of the Italian Statistical Society, "Statistical Analysis for the Analysis of Large Data-Sets", Pescara, September 2009, ISBN 978-88-6129-425-7
- Biffignandi S., Arruda E.F., Moriggia V., Marino A., Technology Convergence on Telecommunications Systems Integration, International Journal of Management and Network Economics, vol. 1, 129-159, ISSN: 1754-2316
- Biffignandi S., Oehler M., Web Sites Communication Performance: A Methodological Approach, International Workshop on ComputerUsers' Behavior-CUB'08, in Proceedings DEXA 2008, September 2008, Turin, editors A.M. Tjoa and R.R. Wagner, Published by the IEEE Computer Society, New York, United States, 2008, ISBN 978-0-7695-3299-8, ISSN 1529-4188
- Biffignandi S., Bertoli Barsotti L., Caviezel V., Le competenze dei laureati mediante l'analisi Rasch (Competences of graduates by **Rasch** analysis), Rivista di economia e statistica del territorio, n. 3, 109-135, 2007
- Biffignandi S., Dati amministrativi e integrazione tra fonti nell'ambito delle statistiche sull'agricoltura in Proceedings of the Conference "Le Statistiche Agricole verso il Censimento del 2010: valutazioni e prospettive", Cassino, 26-27 October, 2006, Mancini A., Sabbatici M., Salvatore R. (editors), 2007
- Biffignandi S., Toninelli D., An integrated database and a statistical analysis to evaluate quality in universities, Proceedings of the Conference "Excellence in Services, Higher Education, Health Care, Local Government, Tourism, Sport", Paisley, UK, 7-8 September, 2006.
- Biffignandi S., Fabrizi E., The relationship between industry localization and shift-share analysis, Proceedings of the 43th SIS Scientific Meeting, Turin, 14-16 June, 2006
- Biffignandi S., Pratesi M., Indagini WEB: propensity score matching e inferenza. Un'analisi empirica ed uno studio di simulazione, in Falorsi, Pallara, Russo (editors) L'Integrazione di dati di fonti diverse. Tecniche e applicazioni del Record Linkage e metodi di stima basati sull'uso congiunto di fonti statistiche e amministrative, Franco Angeli, 2006, ISBN 8846472691
- Biffignandi S., Leoni R., Dovigo F., Il processo di formazione e di inserimento dei laureati nel mondo del lavoro. I risultati delle indagini sul campo: un confronto tra Bergamo e altri Atenei italiani, in Leoni R. (editor), Competenze acquisite, competenze richieste e competenze espresse. Analisi e valutazioni economiche, Franco Angeli, Milano, 2006, ISBN 9788846474551

- Biffignandi S., Obiettivi e aspetti metodologici dell'indagine sui laureati, in Leoni R. (editor), *Competenze acquisite, competenze richieste e competenze espresse, analisi e valutazioni economiche*, Franco Angeli, Milano, 2006, ISBN 9788846474551
- Biffignandi S., Toninelli D., *Integrazione tra Archivi per l'Analisi degli Sbocchi Professionali dei Laureati, Un'analisi dei risultati*, Quaderni del DMSIA, Serie Ricerca, n. 11, 2006
- Biffignandi S., Fabrizi E., *Mixing web and paper based data collection modes in a survey on manufacturing firms*, Proceedings of the European Conference on Quality Survey Statistics-Q2006, Cardiff, UK, 24-26 April, 2006
- Biffignandi S., *Shift-share components: statistical properties and a methodology for their analysis*, Proceedings of the International Statistical Institute Conference, Sidney, 2005, ISBN 1-877040-28-2
- Biffignandi S., Pratesi M., Lozar Manfreda K., Vehovar V., *List assisted Web Surveys: quality, timeliness and non-response in the steps of the participation flow*, Journal of Official Statistics, vol. 20, 2004, ISSN: 0282-423X
- Biffignandi S., Della Rocca G., Pisani S., *The role of trade margins in the price determination process*, Proceedings of SIS Scientific Meeting, Bari, June 2004
- Biffignandi S., Gismondi R. *Analysing the trade and commerce value chain based on integration between fiscal data and Istat surveys*, Proceedings of 45th SIS Scientific Meeting, Bari, June, 2004
- Biffignandi S. and Pisani S., *A Statistical Database For The Trade Sector. A Prototype Of A New Data Collection Tool*, Proceedings of Compstat04, Prague, August, 2004
- Biffignandi S., *La qualità dell'informazione statistica nell'ottica del sistema e degli enti territoriali*, in Biffignandi S., Gozzi G. (eds.), *Qualità e informazione statistico economica territoriale: aspetti del processo di formazione dei dati e delle metodologie di analisi*, Franco Angeli, Milano, 2003, ISBN 9788846445841
- Biffignandi S., Pratesi M., *Potentiality of propensity scores methods in weighting for Web surveys: a simulation study [based on a statistical register]*, in Falorsi P. (editor), Franco Angeli, Milano, 2004
- Biffignandi S., Pratesi M., *Tempestività e qualità: aspetti concettuali e comportamenti di risposta nelle indagini via Internet. Un'applicazione ad un'indagine regionale sulle imprese*, in Biffignandi S., Gozzi G. (eds.), *Qualità e informazione statistico economica territoriale: aspetti del processo di formazione dei dati e delle metodologie di analisi*, Franco Angeli, Milano, 2003, ISBN 9788846445841
- Biffignandi S., *Dal data mining al text mining, al web mining*, Quaderni del Dipartimento di Matematica, Statistica, Informatica e Applicazioni, n. 8, 2003
- Biffignandi S., *Web communication behaviour of banking institutes: a case study*, Quaderni del Dipartimento di Matematica, Statistica, Informatica e Applicazioni, n. 8, 2003
- Biffignandi S., Pratesi M., *Internet surveys: the role of time in Italian firms response behaviour*, Research in Official Statistics, n. 2, 2002
- Biffignandi S., Pratesi M. *Modeling The Respondents' Profile In A Web Survey On Firms In Italy*, In A. Ferligoj, A. Mrvar (ed.), *Developments in Social Science Methodology*, Metodoloski zveski, 18, Ljubljana, 2002
- Biffignandi S., Pratesi M., *"Internet surveys: timeliness of data collection and individual survey period length"*, Proceedings of the International Conference "Methodology and Statistics", Ljubljana 17-19 September 2001.
- Biffignandi S., Pisani S., *Satellite Accounts for Trade: How to build them and how to set up suitable data*, Proceedings of the ICESII Conference, Buffalo, USA, June 2000
- Biffignandi S., Pratesi M., *Modelling firms response and contact probabilities in Web surveys*, ICESII Proceeding Conference, Buffalo, USA, June 2000



- Biffignandi S., L'analisi statistico economica dei gruppi d'impresa: problemi e risultati, (Statistical and economical analysis of enterprise groups: problems and results), in Filippucci C. (editor) "Tecnologie informatiche e fonti amministrative nella produzione di dati", Franco Angeli, Milano, 2000
- Biffignandi S., Pratesi M., "Inquiries on firms: aspects, methodologies and an analysis of the interviewed" in Information technologies and administrative sources in the production of data, by C. Filippucci, Franco Angeli, Milan, 2000 (in Italian).
- Biffignandi S., Pratesi M., "Modelling firm response and contact probabilities in Web Surveys", Proceedings of the International Conference on Establishment Surveys (ICES II), Buffalo, USA, June 2000
- Biffignandi S., Bosa L., "La previsione delle insolvenze nel settore tessile: scelta delle variabili e confronto tra analisi discriminante parametrica e non parametrica", (Failure forecasting), Rivista di Statistica Applicata, N. 3, Vol. 10, 1998
- Biffignandi S., "Principi della statistica e attività degli operatori degli uffici di statistica comunali", (Basic statistical criteria for the heads of the statistical offices in the municipalities), Quaderni del Dipartimento di Matematica, Statistica, Informatica e Applicazioni, Serie Didattica, n. 13, 1998
- Biffignandi S., Bonzani, B. Rizzi, Estimating the Efficiency of the Banking Sector: a parametric analysis on Italian Microdata, in Micro and Macrodata of Firms, Statistical Analyses and International Comparison, Biffignandi S. (editor), Physica Verlag, 1999
- Biffignandi S., Butti C., Schionato L., Stratification Variables and Criteria for Detecting the Active Status of a Business, in The Evolution of Firms and Industries. International Perspectives, Laaksonen S. (ed.), Statistics Finland, 1997
- Biffignandi S., "Stato e prospettive dell'analisi statistica delle imprese: utenti, problemi e metodi", (State of Art and Perspective of the statistical analysis of businesses: Users, problems and methods), in Proceedings of the Conference of the Italian Statistical Society "Informazione statistica per le imprese" (Statistical Information for businesses), Torino, 1997.
- Biffignandi S., "Considerazioni sulla costruzione del sistema statistico delle imprese", (Remarks on the construction of the enterprise statistical system), Quaderni del Dipartimento di Matematica, Statistica, Informatica e Applicazioni, n. 16, 1995
- Biffignandi S., Zerboni A., Le indagini statistico-economiche delle istituzioni e delle associazioni di categoria, (Statistical economic survey of institutions and industrial associations) Bergamo Economica, N.1, March 1996
- Biffignandi S., Proietti T., Pratesi M., Schionato L., "Sistema statistico delle Imprese. Rapporto Finale", (Statistical System on businesses in Italy, Final Report), Rapporto di ricerca 96.08 della Commissione di garanzia per l'Informazione Statistica, (Report of the Advisory Board on Statistics), documento a circolazione limitata, Roma, September 1996
- Biffignandi S., Proietti T., Pratesi M., Schionato L., "Sistema statistico delle Imprese in Italia", (Statistical System on businesses in Italy), Rapporto di ricerca 95.08 della Commissione di garanzia per l'Informazione Statistica, documento a circolazione limitata, Roma, (Report of the Advisory Board on Statistics), June 1995
- Biffignandi S., Gambaro M., "Il settore della distribuzione commerciale", (The trade sector), in Rapporto sull'economia bergamasca (1995-96), Bergamo
- Biffignandi S., Zerboni A., "Strutture di gruppo di imprese ed analisi statistico economiche", (Enterprise groups and statistical economic analysis), Rapporto di ricerca, Bergamo, 1995.
- Biffignandi S., "Il registro statistico e i dati amministrativi sulle imprese: approcci e problematiche", (Business register and administrative data on businesses: approaches and problems), in Biffignandi S., Martini M. (editors), Il registro statistico europeo delle imprese in Europa. Esperienze e metodi per la sua costruzione in Italia", (European business register in Europe. Experiences and methods for its construction in Italy) Franco Angeli, Milano, 1995
- Biffignandi S., Intervento al Convegno "Informazione statistica e realtà locali: dai censimenti al Sistema Statistico Regionale", (Statistical information and local reality: from censuses to the Statistical Regional System) in Proceedings of the Conference, Perugia, 12 January 1995.
- Biffignandi S., "Integrazione di archivi e sistema statistico delle imprese", (Databases integration and statistical system on businesses), in Proceedings of the Conference of the Italian Statistical Society, San Remo, April 1994.
- Biffignandi S., "Il sistema territoriale delle informazioni" (The system of territorial information", in "Conoscere per decidere: come utilizzare un sistema informativo territoriale"; Dispense del corso della Camera di Commercio per funzionari e operatori, (in Tutorial Manual for the Course of the Chamber of Commerce), 1995
- Biffignandi S., "L'analisi dei comportamenti delle piccole imprese. Problematiche di studio", (Small enterprises behaviour: problems of analysis), Impresa & Stato, 1994.
- Biffignandi S., "Dai triangoli all'industrializzazione diffusa", (From the "industrial triangle" to the diffusion of industrialization), Proceedings of the Conference "La Lombardia orientale e la sua funzione di snodo nei nuovi assetti territoriali europei", Guerini Editore, Milano, 1993.

Biffignandi S., Butti C., Administrative Registers and National Surveys, Proceedings of the International Conference on Establishment Surveys, Buffalo, 27-29 June, 1993

Biffignandi S., "Microaree imprenditoriali e informazioni statistiche", (Economic microareas and statistical information), *Impresa & Stato*, N. 15, September, 1991

Biffignandi S., "Il commercio estero, e in particolare il commercio intra-industriale: considerazioni alla luce di un'analisi regionale", (External trade and intra.industry trade: a regional analysis), *Quaderni del Dipartimento di Matematica, Statistica, Informatica e Applicazioni*, Bergamo, N. 29, 1988.

Biffignandi S., Recent advances in econometric modelling: causality, time series methods and computer applications (Biffignandi S., editor), Proceedings, Special Issue, *Economic Notes*, 1988.

Biffignandi S., "Modelli di organizzazione spaziale dell'industria", (Spatial organizational patterns of the industry), in Proceedings of the XXXIII Conference of the Italian Statistical Society, Bari, 28-30 April 1986.

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Co-editor of the Review *Statistical Methods and Application*, Springer Verlag  
Associate Editor of the *International Journal of Forecasting*  
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**Scientific Memberships**

SIS (Italian Statistical Society)  
ISI (International Statistical Institute)  
IASS (International Association Social Surveys)  
IAOS (International Association Official Statistics)  
ASA (American Statistical Association)  
Jury membership of IASS Hansen Prize 2003

**International Visiting**

For studying the experiences on "The integrated statistical system on businesses" (1993)

- Washington (USA) at the Bureau of Census,
- Washington (USA) at the International Revenue Service
- Washington (USA) at the Bureau of Labor Statistics
- Ottawa (Canada) at the Statistics Canada
- Paris (France) at INSEE

**Other activities**

Coordinator Nucleo di Valutazione of Bergamo University,