

Full professor, Department of Economics and Management, University of Brescia (Italy).

Academic Experience

Since 1988 teaching in various Italian Universities

From 1994 to 2012 teaching statistical courses at University of Brescia, Faculty of Economics:

- *Statistics and Probability*, undergraduate course (year 3)
- *Inference*, undergraduate course (year 3)
- *CRM System*, undergraduate course (year 5)
- *Total Quality Control*, undergraduate course (year 5)
- *Statistics for Business*, undergraduate course (year 5)

From 2013 teaching statistical courses at University of Brescia, Department of Economics and Management:

- *Inference*, undergraduate course (year 3)
- *Statistics for Business*, undergraduate course (year 5)

From 2000 to 2013 teaching *Mixture Distributions*, “Statistics and Applied Methodological Ph.D”, University of Milano Bicocca (Italy)

From 2013 teaching *Mixture Distributions*, “Analytics for Economics and Business Ph.D”, University of Bergamo (Italy) *jointly with Brescia University*

From 2002 to 2009 teaching *Statistics and Econometrics*, “Master in Money and Finance”, University of Brescia (Italy)

Ex-Academic Activities

Currently:

- ❑ Editor of *Statistica & Applicazioni* [Statistics & Applications] (from 2011)
- ❑ Board member of the Italian Statistical Society
- ❑ Member of Scientific board of the Statistical Lab Data, Methods and Systems.
- ❑ Member of Scientific board of I.A.S.A. [International Academy of Sensory Analysis].
- ❑ From January 2006: chairman of the Orientation board, Faculty of Economics, University of Brescia.
- ❑ From May 2011: chairman of the Guarantee Committee, University of Brescia.

From September 2013: member of Scientific Committee of “PhD in Analytics for Economics and Business”, University of Milano Bicocca (Italy), University of Bergamo and Brescia (Italy).

From 2000 to 2013 member of Scientific Committee of “Statistics and Applied Methodological Ph.D”, University of Milano Bicocca (Italy)

From January 2011 to October 2012: member of Research Council, University of Brescia

From December 2003 to October 2012: chief of informatics laboratories, Faculty of Economics, University of Brescia

From November 2001 to October 2004 member of the Administration Board of the University of Brescia.

Member of S.I.S. (Società Italiana di Statistica) [Italian Statistical Society], A.I.C.Q. (Associazione Italiana Cultura Qualità) [Italian Association for Quality Culture] and I.A.S.A. [International Academy of Sensory Analysis]

Research Interests

- Test of hypotheses on the parameters $(\pi_1, \pi_2, \dots, \pi_k)$ of the multinomial distribution with k classes
- Modern approach to the study of skewness
- Confidence intervals for income concentration measures
- Biases in the relationship between Median and skewness of the distributions
- Problem of Behrens-Fisher

- Sample Biases in Gini index
- Multilevel models
- Statistics for sensorial analysis
- Statistics tools for evaluation of Quality and Customer Satisfaction in firms and services
- Rasch Model for measuring Job Satisfaction

Recent publications

- M. Carpita, E. Brentari, El M. Qannari** (ed) (2014), *Advanced in Latent Variables. Methods, Models and Applications*, Studies in Theoretical and Applied Statistics, Springer, Berlin Heidelberg, doi 10.1007/10104_2014
- E. Brentari, R. Levaggi** (2014). The Hedonic Price for Italian Red Wine: Do Chemical and Sensory Characteristics Matter? *Agribusiness*, ISSN: 1520-6297, doi: 10.1002/agr.21377
- E. Brentari, M. Carpita** (ed) (2013), *Advanced in Latent Variables*, Vita e Pensiero, Milano, ISBN 978 88 343 2556 8
- E. Brentari, M. Carpita, M. Vezzoli** (2012), CRAGGING: a novel approach for inspecting Italian wine quality, Proceedings AGROSTAT 2012, 343-350, Paris, France, 29 Febbraio - 2 Marzo 2012, Société Française de Statistique"
- E. Brentari, R. Levaggi, P. Zuccolotto** (2011), Pricing strategies for Italian Red Wine; *Food Quality and Preference*, 22; 8; 725–732.
- Brentari E., Zuccolotto P.** (2011), A statistical analysis of Italian wines in large distribution and wine shop, in: Book of short papers CLADAG 2011, Pavia University Press, "Editoria scientifica" series, ISBN: 978-88-96764-22-0, Pavia, 7-9 Settembre 2011.
- Brentari E., Levaggi R.** (2011), Pricing Strategy for Italian Wine, in: Book of short papers CLADAG 2011, Pavia University Press, "Editoria scientifica" series, ISBN: 978-88-96764-22-0, Pavia, 7-9 Settembre 2011.
- E. Brentari, P. Zuccolotto** (2011), The impact of chemical and sensory characteristics on the market price of Italian red wines; *Electronic Journal of Applied Statistical Analysis* 4, 2, pp. 265-276.
- E. Brentari, L. Dancelli, W. Maffenini** (2011), The bipolar mean in sensory analysis; *Electronic Journal of Applied Statistical Analysis* 4, 2, pp. 277-286.
- E. Brentari, L. Dancelli, W. Maffenini** (2010), The bipolar mean in sensory analysis; *Statistical Methods for the Food Industry*. Academy School, Afragola (Napoli), ISBN: 88-901015-8-X, pp. 259-268.
- E. Brentari, R. Levaggi** (2010), Hedonic price for the Italian Red Wine: a panel analysis; *Statistical Methods for the Food Industry*. Academy School, Afragola (Napoli), pp. 249-258.
- E. Brentari, P. Zuccolotto** (2010), The implicit value of chemical and sensorial quality in the hedonic analysis of low-priced Italian red wines; in *Statistical Methods for the Food Industry*. Academy School, Afragola (Napoli) pp. 269-276.
- E. Brentari, L. Dancelli, W. Maffenini** (2010), Come valutare giudizi apparentemente simili: lo Scostamento Medio dalla Media Bipolare, *L'assaggio*, 31, pp. 29-32
- E. Brentari, S. Golia** (2009), Misure oggettive della qualità del lavoro soggettiva nelle cooperative sociali; in *La qualità del Lavoro nelle Cooperative Sociali: Misure e Modelli Statistici* (a cura di M. Carpita), Franco Angeli, Milano
- E. Brentari, L. Dancelli, W. Maffenini** (2009), Osservazioni sullo scostamento medio dalla media bipolare, *Rapporto di Ricerca del Dipartimento Metodi Quantitativi dell'Università di Brescia*, n. 338.
- E. Brentari, S. Golia, M. Manisera** (2008), Analysing ordinal data to measure customer satisfaction: a comparison between the Rasch Model and CatPCA. In L. D'Ambra, P. Rostirolla, M. Squillante, *Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni*, (parte prima: *Metodologie*), Franco Angeli, Milano
- E. Brentari, S. Golia** (2008), Measuring job satisfaction in the Social Service Sector with the Rasch Model, *Journal of Applied Measurement*, 9, 1, pp. 45-56
- E. Brentari, S. Golia** (2008), Measuring the quality of work using the Rasch Model, *Atti della XLIV Riunione Scientifica SIS*, Università della Calabria, Arcavacata (CS)

- E. Brentari, L. Dancelli** (2008), Media, mediana e medie bipolari: semplici strumenti per confrontare i prodotti, *L'assaggio*, 24, pp. 13-16
- E. Brentari, S. Golia**, (2007), Exploring unidimensionality in the Rasch model, *Atti della Riunione Scientifica "Valutazione e Customer Satisfaction per la Qualità dei Servizi"*, Facoltà di Economia, Tor Vergata, Roma, pp. 51-55
- E. Brentari, S. Golia, M. Manisera** (2007), Models for Categorical Data: a comparison between the Rasch Model and nonlinear Principal Component Analysis, *Statistica & Applicazioni*, **5**, 1, pp. 53-77
- E. Brentari, S. Golia** (2007), Unidimensionality in the Rasch model: How to detect and interpret. *Statistica*, 3, pp. 253-261