

# Sergio Venturini

---

AFFILIATE PROFESSOR

**Business Data Analytics**

**SERGIO.VENTURINI@UNIBOCCONI.IT**

---

## Biography

Sergio Venturini is an Affiliate Professor in the Knowledge Group of Decision Sciences & Business Analytics at SDA Bocconi School of Management. At SDA, he was a member of the Claudio Demattè Research Division Committee from 2006 to 2008. At present, he is a faculty member of the following programs: Master in Business Administration (MBA), Master in Corporate Finance (MCF), Master of International Healthcare Management Economics and Policy (MIHMEP), Master in Public Management (MPM).

He has been a Lecturer at the Department of Decision Sciences at Università Bocconi.

His research activities focus on business analytics, statistical methods for quality assurance and public health data analysis.

He is the author of numerous books and articles on his topics of interest. His works have been published in Annals of Applied Statistics, Cancer Biology & Therapy, Clinical Drug Investigation and Breast Cancer Research and Treatment, among others.

He has conducted research and education projects with major enterprises operating in the food industry.

He was a Visiting Scholar at Harvard School of Public Health and Johns Hopkins Bloomberg School of Public Health.

Sergio earned a degree in Financial Markets and Institutions and a Ph.D. in Statistics both from Università Bocconi.

## Teaching domains

Big & Small Data

Descriptive Analytics

Predictive Analytics

Time Series Analysis

Financial Modelling

---

## ARTICLES IN SCHOLARLY JOURNALS

CHIARINI A., GRANDO A., VENTURINI S., BORGONOVO E.

**Do automation and AI impact on job reduction? A study on perceived risk of losing job among white-collars in the Italian manufacturing companies**

Production Planning & Control, 2024, vol.35, no. 16, pp.2198–2211

VENTURINI S., BONETTI M., LAZAR A. A., COLE B. F., WANG X., GELBER R. D., YIP W.

**Subpopulation Treatment Effect Pattern Plot (STEPP) Methods with R and Stata**

Journal of Data Science, 2023, vol.21, no. 1, pp.106–.126

SCHETTINI F., VENTURINI S., GIULIANO M., LAMBERTINI M., PINATO D. J., ONESTI C. E., DE PLACIDO P., HARBECK N., LÜFTNER D., DENYS H., VAN DAM P., ARPINO G., ZAMAN K., MUSTACCHI G., GLIGOROV J., AWADA A., CAMPONE M., WILDIERS H., GENNARI A., TJAN-HEIJNEN V., BARTSCH R., CORTES J., PARIS I., MARTÍN M., DE PLACIDO S., DEL MASTRO L., JERUSALEM G., CURIGLIANO G., PRAT A., GENERALI D.

**Multiple Bayesian network meta-analyses to establish therapeutic algorithms for metastatic triple negative breast cancer**

Cancer Treatment Reviews, 2022, vol.111, pp.102468

SCHETTINI F., GIULIANO M., LAMBERTINI M., BARTSCH R., PINATO D. J., ONESTI C. E., HARBECK N., LÜFTNER D., ROTTEY S., VAN DAM P. A., ZAMAN K., MUSTACCHI G., GLIGOROV J., AWADA A., CAMPONE M., WILDIERS H., GENNARI A., TJAN-HEIJNEN V. C. G., CORTES J., LOCCI M., PARIS I., DEL MASTRO L., DE PLACIDO S., MARTÍN M., JERUSALEM G., VENTURINI S., CURIGLIANO G., GENERALI D.

**Anthracyclines Strike Back: Rediscovering Non-Pegylated Liposomal Doxorubicin in Current Therapeutic Scenarios of Breast Cancer**

Cancers, 2021, vol.13, no. 17, pp.4421

GENERALI D., BOSIO G., MALBERTI F., CUZZOLI A., TESTA S., ROMANINI L., FIORAVANTI A., MORANDINI A., PIANTA L., GIANNOTTI G., VIOLA E. M., GIORGI-PIERFRANCESCHI M., FORAMITTI M., TIRA R. A., ZANGRANDI I., CHIODELLI G., MACHIAVELLI A., CAPPELLETTI M. R., GIOSSI A., DE GIULI V., COSTANZI C., CAMPANA C., BERNOCCHI O., SIRICO M., ZONCADA A., MOLteni A., VENTURINI S., GIUDICI F., SCALTRITI M., PAN A.

**Canakinumab as treatment for COVID-19-related pneumonia: A prospective case-control study**

International Journal of Infectious Diseases (IJID), 2021, vol.104, pp.433–440

SCHETTINI F., GIULIANO M., GIUDICI F., CONTE B., DE PLACIDO P., VENTURINI S., ROGNONI C., DI LEO A., LOCCI M., JERUSALEM G., DEL MASTRO L., PUGLISI F., CONTE P., DE LAURENTIIS M., PUSZTAI L., RIMAWI M. F., SCHIFF R., ARPINO G., DE PLACIDO S., PRAT A., GENERALI D.

**Endocrine-Based Treatments in Clinically-Relevant Subgroups of Hormone Receptor-Positive/HER2-Negative Metastatic Breast Cancer: Systematic Review and Meta-Analysis**

Cancers, 2021, vol.13, no. 6, pp.1458

VENTURINI S., PICCARRETA R.

**A Bayesian Approach for Model-Based Clustering of Several Binary Dissimilarity Matrices: The Package in**

Journal of Statistical Software, 2021, vol.100, no. 16, pp.1–35

MARRA A., GENERALI D., ZAGAMI P., CERVONI V., GANDINI S., VENTURINI S., MORGANTI S., PASSERINI R., ORECCHIA R., CURIGLIANO G.

**Seroconversion in patients with cancer and oncology health care workers infected by SARS-CoV-2**

Annals of Oncology, 2021, vol.32, no. 1, pp.113–119

SCHETTINI F., GIUDICI F., GIULIANO M., CRISTOFANILLI M., ARPINO G., DEL MASTRO L., DE PLACIDO S., PUGLISI F., VENTURINI S., PARIS I., DE PLACIDO P., DE LAURENTIIS M., CONTE P., JURIC D., LLOMBART-CUSSAC A., PUSZTAI L., PRAT A., JERUSALEM G., DI LEO A., GENERALI D.

**Overall survival of CDK4/6-inhibitors-based treatments in clinically relevant subgroups of metastatic breast cancer: systematic review and meta-analysis**

JNCI: Journal of the National Cancer Institute, 2020, vol.112, no. 11, pp.1089–1097

GRAZIANI R., VENTURINI S.

**A Bayesian approach to discrete multiple outcome network meta-analysis**

Plos One, 2020, vol.15, no. 4, pp.e0231876

GIULIANO M., ROGNONI C., SCHETTINI F., MILANI M., JERUSALEM G., BACHELOT T., DE LAURENTIIS M.,

THOMAS G., DE PLACIDO P., ARPINO G., DE PLACIDO S., CRISTOFANILLI M., GIORDANO A., PUGLISI F., PISTILLI B., PRAT A., DEL MASTRO L., VENTURINI S., GENERALI D.

**Endocrine treatment versus chemotherapy in postmenopausal women with hormone receptor-positive, HER2-negative, metastatic breast cancer: a systematic review and network meta-analysis**

The Lancet Oncology, 2019, vol.20, no. 10, pp.1360-1369

VENTURINI S., MEHMETOGLU M.

**plssem: A Stata Package for Structural Equation Modeling with Partial Least Squares**

Journal of Statistical Software, 2019, vol.88, no. 8, pp.1-35

MILANI M., VENTURINI S., BONARDI S., ALLEVI G., STRINA C., CAPPELLETTI M., CORONA S., AGUGGINI S., BOTTINI A., BERRUTI A., JUBB A., CAMPO L., HARRIS A., GATTER K., FOX S., GENERALI D., ROVIELLO G.

**Hypoxia-related biological markers as predictors of epirubicin- based treatment responsiveness and resistance in locally advanced breast cancer**

Oncotarget, 2017, vol.8, no. 45, pp.78870-78881

VENTURINI S., MYERS J., DOMINICI F., MORLOCK L.

**Random Effects Models for Identifying the Most Harmful Medication Errors in a large, voluntary reporting database**

Annals of Applied Statistics, 2017, vol.11, no. 2, pp.504-526

ROVIELLO G., ANDRE F., VENTURINI S., PISTILLI B.

**Response rate as a potential surrogate for survival and efficacy in patients treated with novel immune checkpoint inhibitors: a meta-regression of randomised prospective studies**

European Journal of Cancer, 2017, vol.86, pp.257-265

ROGNONI C., VENTURINI S., MEREGAGLIA M., MARMIFERO M., TARRICONE R.

**Efficacy and safety of ferric carboxymaltose and other formulations in iron deficiency patients: a systematic review and network meta-analysis of randomized controlled trials**

Clinical Drug Investigation, 2016, vol.36, pp.177-194

ROVIELLO G., ZANOTTI L., VENTURINI S., BOTTINI A., GENERALI D.

**Role of targeted agents in neuroendocrine tumours: Results from a meta-analysis**

Cancer Biology & Therapy, 2016, vol.17, no. 9, pp.883-888

VENTURINI S., GENERALI D., ROGNONI C., CIANI O., PUSZTAI L., LOI S., JERUSALEM G., BOTTINI A., TARRICONE R.

**A Network Meta-Analysis of Everolimus Plus Exemestane Versus Chemotherapy in the First- and Second-Line Treatment of Estrogen Receptor-Positive Metastatic Breast Cancer**

Breast Cancer Research and Treatment, 2015, vol.152, no. 1, pp.95-117

BAZZOLA L., VENTURINI S., FORONI C., ANDREIS D., ZANONI V., R CAPPELLETTI M., ALLEVI G., AGUGGINI S., STRINA C., MILANI M., FERROZZI F., GIARDINI R., BERTONI R., TURLEY H., GATTER K., PETRONINI P. G., FOX S. B., HARRIS A. L., MARTINOTTI M., BERRUTI A., BOTTINI A., REYNOLDS A. R., GENERALI D.

**Combination of letrozole, metronomic cyclophosphamide and sorafenib is well-tolerated and shows activity in patients with primary breast cancer**

British Journal of Cancer, 2015, vol.112, no. 1, pp.52-60

VENTURINI S., DOMINICI F., PARMIGIANI G.

**Generalized Quantile Treatment Effect: A Flexible Bayesian Approach Using Quantile Ratio Smoothing**

Bayesian Analysis, 2015, vol.10, pp.523-552

FORONI C., MILAN M., STRINA C., CAPPELLETTI M., FUMAROLA C., BONELLI M., BERTONI R., FERRERO G., MALDOTTI M., TAKANO E., ANDREIS D., VENTURINI S., BRUGNOLI G., PETRONINI P., ZANONI V., PRITZKER L., PRITZKER K., PARISENTI A., SANTINI D., FOX S., BOTTINI A., GENERALI D.

**Pure anti-tumor effect of zoledronic acid in naïve bone-only metastatic and locally advanced breast cancer: proof from the "biological window therapy"**

Breast Cancer Research and Treatment, 2014, vol.144, no. 1, pp.113-121

ARBORE A., GRAZIANI R., VENTURINI S.

**Understanding personal mobile technologies: decomposing and de-averaging the value of a smartphone**

The Journal of Information Systems, 2014, vol.28, no. 1, pp.167-185

CARNEVALE C., MAZZUCA M., VENTURINI S.

**Corporate Social Reporting in European Banks: The Effects on a Firm's Market Value**

Corporate Social Responsibility and Environmental Management, 2012, vol.19, no. 3, pp.159-177

DAMIA G., BROGGINI M., MARSONI S., VENTURINI S., GENERALI D.

**New Omics Information for Clinical Trial Utility in the Primary Setting**

Journal of the National Cancer Institute, 2011, no. 43, pp.128-133

CONSONNI G., MORENO E., VENTURINI S.

**Testing Hardy-Weinberg equilibrium: An objective Bayesian analysis**

Statistics in Medicine, 2011, vol.30, no. 1, pp.62-74

CARNEVALE C., VENTURINI S., MAZZUCA M.

**La value relevance del bilancio sociale: il caso delle banche europee**

Economia Aziendale, 2010, vol.1, no. 2, pp.93-110

VENTURINI S., DOMINICI F., PARMIGIANI G.

**Gamma Shape Mixtures for Heavy-Tailed Distributions**

Annals of Applied Statistics, 2008, vol.2, no. 2, pp.756-776

BOF F., VENTURINI S.

**La valutazione delle performance sportive: il progetto FCI (Fabio Capello Index)**

Rivista di Diritto ed Economia dello Sport, 2008, vol.5, no. 3, pp.69-92

VENTURINI S., DELLA SETA M., BELLI A.

**Un cruscotto di indicatori per il monitoraggio della qualità realizzata**

Economia & Management, 2006, no. 5, pp.42-46

D'AMBROSIO M. P., ANZANI F., VENTURINI S.

**Design for Six Sigma e simulazione monte carlo: problematiche di implementazione nella tolerance analysis**

Economia & Management, 2005, no. 3, pp.39-44

---

## RESEARCH MONOGRAPHS

MEHMETOGLU M., VENTURINI S.

**Structural Equation Modelling with Partial Least Squares Using Stata and R**

CRC Press – Taylor & Francis Group, Boca Raton, FL, United States of America, 2021

---

## EDITED BOOKS

VENTURINI S. (ED.)

**Statistica per manager**

Egea, Milano, Italy, 2010

VENTURINI S. (ED.)

**Empirical processes: theory and applications**

Università Commerciale Luigi Bocconi, Milano, Italy, 2005

---

## TEXTBOOKS

BORGONOVO E., FEIN D., POLI E., VENTURINI S.

**Principles of Business Analytics**

Bocconi University Press – BUP, Milano, Italy, 2024

TAVA L. V., POLI M., VENTURINI S.

**Decision Science with Excel: Business Applications**

Egea, Milano, Italy, 2024

---

## CONTRIBUTION TO CHAPTERS, BOOKS OR RESEARCH MONOGRAPHS

VENTURINI S., MEHMETOGLU M., LATAN H.

**Software Packages for Partial Least Squares Structural Equation Modeling: An Updated Review** in *Partial Least Squares Path Modeling*

Hengky Latan, Joseph F. Hair,, Richard Noonan (Eds), Springer International Publishing, pp.113–152, 2023

---

## CASES IN INTERNATIONAL CASE COLLECTIONS

STABILINI G., VENTURINI S.

**Premium Spirits Supply Chain Management: Pernod Ricard Italia**

2017, The Case Centre, Great Britain

---

## PROCEEDINGS/PRESENTATIONS

VENTURINI S., PICCARRETA R., BONETTI M.

**Clustering-based measurement of dependence**

*6th Scientific Meeting of the CLADAG of the Italian Statistical Society - 12-14 September 2007, Macerata, Italy*

---

## RESEARCH NOTES OR SHORT ARTICLES IN JOURNALS

VENTURINI S., DELLA SETA M.

**Gestione e ottimizzazione dei processi di produzione attraverso la statistica**

2002, *Economia & Management*, Milano, Italy

VENTURINI S.

**L'approccio neurale al Data Mining**

2001, *Economia & Management*, Milano, Italy

---

# Grants & Honors

Best Teaching Award - Undergraduate School - Università Commerciale Luigi Bocconi , 2019

---