Riccardo Ceccato

Elenco pubblicazioni:

- Articoli in riviste internazionali (indicizzate WoS e SCOPUS) – Fascia A:
    1. Arboretti, R., Ceccato, R., Corain, L., Ronchi, F., Salmaso, L. (2018). Multivariate small sample tests for two-way designs with applications to industrial statistics. *Statistical Papers*, 59(4), 1483–1503, doi: 10.1007/s00362-018-1032-y.
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    3. Carrozzo, E., Arboretti, R., Ceccato, R., Salmaso, L. (2020). Stratified two-sample design: A review on nonparametric methods. *Applied Stochastic Models in Business and Industry*, 36(5), 959–973, doi: 10.1002/asmb.2557.
    4. Arboretti, R., Ceccato, R., Salmaso, L. (2021). Permutation testing for goodness-of-fit and stochastic ordering with multivariate mixed variables. *Journal of Statistical Computation and Simulation*, 91(5), 876-896, doi: 10.1080/00949655.2020.1836182.
    5. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (2021). Interval selection: A case-study-based approach. *Applied Stochastic Models in Business and Industry*, 37(5), 926-941, doi: 10.1002/asmb.2611.
    6. Langthaler, P. B., Ceccato, R., Salmaso, L., Arboretti, R., Bathke, A. C. (2022). Permutation testing for thick data when the number of variables is much greater than the sample size: recent developments and some recommendations. *Computational Statistics*, doi: 10.1007/s00180-022-01218-3.
    7. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (2022). Design of Experiments and machine learning for product innovation: A systematic literature review. *Quality and Reliability Engineering International*, 38(2), 1131-1156, doi: 10.1002/qre.3025.
    8. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (2022). Design choice and machine learning model performances. *Quality and Reliability Engineering International*, doi: 10.1002/qre.3123.
    9. Dolci, A., Vanhaecke, T., Qiu, J., Ceccato, R., Arboretti, R., Salmaso, L. (Accepted for publication). Personalized prediction of optimal water intake in adult population by blended use of machine learning and clinical data. *Scientific Reports*
- Articoli in riviste internazionali (indicizzate WoS e SCOPUS) – Non Fascia A:
    1. Longo, G. A., Mancin, S., Righetti, G., Zilio, C., Ceccato, R., Salmaso, L. (2020). Machine learning approach for predicting refrigerant two-phase pressure drop inside brazed plate heat exchangers (BPHE). *International Journal of Heat and Mass Transfer*, 163, 120450, doi: 10.1016/j.ijheatmasstransfer.2020.120450.
    2. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L., Housmekerides, C., Spadoni, L., Pierangelo, E., Quaggia, S., Tveit, C., Vianello, S. (2021). Machine learning and design of experiments with an application to product innovation in the chemical industry.

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3. Bassi, P., Di Gianfrancesco, L., Salmaso, L., Ragonese, M., Palermo, G., Sacco, E., Giancristofaro Arboretti, R., Ceccato, R., Racioppi, M. (2022). Improved non-invasive diagnosis of bladder cancer with an electronic nose: A large pilot study. *Journal of Clinical Medicine*, 10(21), 4984, doi: 10.3390/jcm10214984.
4. Salmaso, L., Pegoraro, L., Giancristofaro, R. A., Ceccato, R., Bianchi, A., Restello, S., Scarabottolo, D. (2022). Design of experiments and machine learning to improve robustness of predictive maintenance with application to a real case study. *Communications in Statistics-Simulation and Computation*, 51(2), 570-582, doi: 10.1080/03610918.2019.1656740.
5. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (2022). Active learning for noisy physical experiments with more than two responses. *Chemometrics and Intelligent Laboratory Systems*, 226, 104595, doi: 10.1016/j.chemolab.2022.104595.
6. Bolisani, E., Scarso, E., Ceccato, R., Zieba, M. (2022). Knowledge management implementation in small and micro KIBS: A categorization. *Knowledge and Process Management*, doi: 10.1002/kpm.1723.

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    1. Lamberti, F., Mazzariol, C., Spolaore, F., Ceccato, R., Salmaso, L., Gross, S. (2022). Design of Experiment: A Rational and Still Unexplored Approach to Inorganic Materials' Synthesis. *Sustainable Chemistry*, 3(1), 114-130, doi: 10.3390/suschem3010009.
    2. Arboretti, R., Barzizza, E., Biasetton, N., Ceccato, R., Corain, L., Salmaso, L. (2022). A Multi-Aspect Permutation Test for Goodness-of-Fit Problems. *Stats*, 5(2), 572-582, doi: 10.3390/stats5020035.
- Contributi in volume:
    1. Giancristofaro, R.A., Ceccato, R., Salmaso, L. (2022). End-To-End Data Analytics for Product Development. In *Wiley StatsRef: Statistics Reference Online* (eds N. Balakrishnan, T. Colton, B. Everitt, W. Piegorsch, F. Ruggeri and J.L. Teugels), doi: 10.1002/9781118445112.stat08366.
- Articoli in atti di convegni e conferenze internazionali:
    1. Pesarin, F., Salmaso, L., Huang, H., Arboretti, R., Ceccato, R. (2018). Permutation tests for stochastic ordering with ordinal data. In ASMOD 2018 Proceedings of the International Conference on Advances in Statistical Modelling of Ordinal Data, 163-170, ISBN: 978-88-6887-042-3, doi: 10.6093/978-88-6887-042-3.
    2. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (accettato per la pubblicazione). Testing for randomized block single-case designs by combined permutation tests with multivariate mixed data. In Statistics, Simulation and Data Science - SIMSTAT2019, Salzburg, Austria (J. Pilz, D. Rasch, V. Melas and A. Bathke, Eds.). Springer Proceedings in Mathematics & Statistics, Springer, ISSN: 2194-1017.
    3. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (accettato per la pubblicazione). A study of Design of Experiments and machine learning methods to improve fault detection algorithms. In Statistics, Simulation and Data Science - SIMSTAT2019, Salzburg, Austria (J. Pilz, D. Rasch, V. Melas and A. Bathke, Eds.). Springer Proceedings in Mathematics & Statistics, Springer, ISSN: 2194-1017.

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5. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso L. (2020) A new permutation and Lasso-based interval selection technique. In JSM Proceedings, Section on Nonparametric Statistics. Alexandria, VA: American Statistical Association, 552-561, ISBN: 978-1-7342235-2-1.
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7. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (2021). Gaussian Process structure for the emulation of deterministic and stochastic solvers: a simulation study. In JSM Proceedings. Alexandria, VA: American Statistical Association, ISBN: 978-1-7342235-3-8.
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- Articoli in atti di convegni e conferenze nazionali:
  1. Salmaso, L., Ceccato, R., Arboretti, R. (2021). Nonparametric methods for stratified C-sample designs: a case study. In *ASA 2021 Statistics and Information Systems for Policy Evaluation* (Vol. 127, pp. 17-22). Firenze. ISBN: 978-88-5518-304-8, doi: 10.36253/978-88-5518-304-8.05.
  2. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L. (2021). Impact of sample size on stochastic ordering tests: a simulation study. In *Book of short papers - SIS 2021* (pp. 658-663). ISBN: 9788891927361.
- Abstract in atti di convegni e conferenze internazionali:
  1. Arboretti, R., Ceccato, R., Pegoraro, L., Salmaso, L., Tortora, C. (2020). Machine learning models for the evaluation of students'careers. In *Third international conference on Data Science & Social Research. BOOK OF ABSTRACTS* (p. 23). ISBN: 978-886629-051-3.
  2. Antonelli, G., Giancristofaro, R. A., Ceccato, R., Centomo, P., Pegoraro, L., Salmaso, L., Zecca, M. (2020). A combined approach to detect key variables in thick data analytics. arXiv preprint arXiv:2006.00864.
  3. Arboretti, R., Barzizza, E., Biasetton, N., Ceccato, R., Disegna, M., Pegoraro, L., Salmaso, L. (2022). Clustering Consumer Based on Text Sentiment Analysis and Fuzzy Rating. In *ISBIS 2022 – Book of Abstracts (p. 32)*. ISBN: 979-12-210-1389-4.
  4. Arboretti, R., Barzizza, E., Biasetton, N., Ceccato, R., Disegna, M., Pegoraro, L., Salmaso, L. (2022). Permutation Tests for Model Selection. In *ISBIS 2022 – Book of Abstracts (p. 83)*. ISBN: 979-12-210-1389-4.