

Curriculum Vitae di Antonio Pievatolo

Istruzione e formazione

- 1994 – 08/07/1997 Dottorato di ricerca in Statistica, IX Ciclo Università degli Studi di Padova
- 1986 – 17/07/1992 Laurea in Scienze Statistiche ed Economiche Università degli Studi di Padova

Esperienza professionale

- dal 01/01/2020 Dirigente di Ricerca, Istituto di Matematica Applicata e Tecnologie Informatiche (IMATI-CNR), Milano
- 18/11/2019 – 31/12/2019 Primo Ricercatore, Istituto di Matematica Applicata e Tecnologie Informatiche (IMATI-CNR), Milano
- dal 23/12/2014 Responsabile della Sede Secondaria di Milano dell'IMATI-CNR, con delega alla gestione da parte del direttore di istituto
- 01/04/1997 – 17/11/2019 Ricercatore III livello, Istituto di Matematica Applicata e Tecnologie Informatiche (IMATI-CNR), Milano

Responsabilità di progetti di ricerca (unità operativa)

- 2016 – 2018 Terzo Accordo Quadro tra Regione Lombardia e CNR, Convenzione Operativa 2016-2018: I-ZEB (Verso Edifici Intelligenti a Energia Zero per la crescita della città intelligente)
- 2016 MIUR-CNR Fabbrica del Futuro: progetto prototipo ShredIT ? Self-Optimizing Shredding Station for Demanufacturing Plants
- 2013 – 2015 Secondo Accordo Quadro tra Regione Lombardia e CNR, Convenzione Operativa 2013-2015, INTEGRATE (innovazioni tecnologiche per una gestione razionale del tessuto edilizio)
- 2013 – 2015 Secondo Accordo Quadro tra Regione Lombardia e CNR, Convenzione Operativa 2013-2015, FIDEAS (fabbrica intelligente per la deproduzione avanzata e sostenibile)
- 2013 – 2015 Progetto Bandiera MIUR-CNR Fabbrica del Futuro: Zero Waste PCBs - Integrated technological solutions for zero waste recycling of printed circuit boards
- 2002 – 2004 PRO-ENBIS (European network for promoting business and industrial statistics), Rete Tematica del Quinto Programma Quadro della UE

Altri progetti

Dal 2000 al 2016 ho seguito diversi progetti a finanziamento privato di applicazione della statistica nell'industria nei settori manifatturiero, del software per il controllo della qualità, della distribuzione dell'energia elettrica. Ho partecipato dal 2013 al Progetto Bandiera MIUR-CNR Fabbrica del Futuro: NanoTwice - Composite Nanofibres for Treatment of air and Water by an Industrial Conception of Electrospinning.

Attività didattica

- 2016 – 2019 Corso di Applied Regression al PhD in Statistics, Università Bocconi
- 2001 – 2009 Insegnamento di inferenza statistica nei corsi di laurea magistrale in Ingegneria, Politecnico di Milano
- 2006 – 2008 Insegnamento di inferenza statistica nei corsi di laurea magistrale in Scienze Statistiche, Università di Milano Bicocca

Ho svolto attività di relatore di tesi di dottorato in Statistica e di tesi di laurea in Matematica, Ingegneria Gestionale e Ingegneria Matematica.

Commissioni giudicatrici

Ho fatto parte di commissioni di selezione per corsi di dottorato, di commissioni di concorso per assegni di ricerca, di commissioni di concorso per contratti di ricercatore a tempo determinato.

Altre attività scientifiche

- 2013 – 2015 Vicepresidente di ENBIS, the European Network for Business and Industrial Statistics
- 2017 – 2019 Presidente di ENBIS
- dal 2008 Associate Editor di *Applied Stochastic Models in Business and Industry*
- Membro dei comitati scientifici della serie di conferenze annuali ENBIS, della serie di Workshop BISP (Bayesian Inference for Stochastic Processes), e della serie di Simposi GDDR (Games and Decisions in Risk and Reliability)

Pubblicazioni

Riferimenti bibliografici

- [1] A. Pievatolo, F. Ruggeri, R. Soyer, and S. Wilson. Decisions in risk and reliability: An explanatory perspective. *Stats*, 4(2):228–250, 2021.
- [2] A. Pievatolo. Enbis-19 quality and reliability engineering international (vol 36, pg 2593, 2020). *QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL*, 37(4):1699–1699, 2021.
- [3] S. Pasquali, A. Pievatolo, A. Bodini, and F. Ruggeri. A stochastic sir model for the analysis of the covid-19 italian epidemic. *arXiv preprint arXiv:2102.07566*, 2021.
- [4] A. Lepore, B. Palumbo, and A. Pievatolo. A bayesian approach for site-specific wind rose prediction. *Renewable Energy*, 150:691–702, 2020.
- [5] C. Scrosati, A. Pievatolo, and M. Garai. The uncertainty declaration of building acoustics measurements: How to select the uncertainty of reproducibility from inter-laboratory tests. *Acta Acustica united with Acustica*, 104(2):295–303, 2018.
- [6] S. Ali and A. Pievatolo. Time and magnitude monitoring based on the renewal reward process. *Reliability Engineering & System Safety*, 179:97–107, 2018.
- [7] S. Ali and A. Pievatolo. High quality process monitoring using a class of inter-arrival time distributions of the renewal process. *Computers & Industrial Engineering*, 94:45–62, 2016.
- [8] S. Ali, A. Pievatolo, and R. Göb. An overview of control charts for high-quality processes. *Quality and reliability engineering international*, 32(7):2171–2189, 2016.
- [9] R. Argiento, P. G. Bissiri, A. Pievatolo, and C. Scrosati. Multilevel functional principal component analysis of facade sound insulation data. *Quality and Reliability Engineering International*, 31(7):1239–1253, 2015.
- [10] R. Argiento, E. Cagno, F. Caron, M. M. A. Pievatolo, and F. Ruggeri. Seasonal patterns and double measurement scale in modelling failures in underground trains. In *3rd International Conference on Mathematical Methods in Reliability*, pages 45–48, 2002.
- [11] R. Argiento, R. Faranda, A. Pievatolo, and E. Tironi. Distributed interruptible load shedding and micro-generator dispatching to benefit system operations. *IEEE Transactions on Power Systems*, 27(2):840–848, 2011.
- [12] R. Argiento, A. Guglielmi, and A. Pievatolo. A comparison of nonparametric priors in hierarchical mixture modelling for aft regression. *Journal of statistical planning and inference*, 139(12):3989–4005, 2009.

- [13] R. Argiento, A. Guglielmi, and A. Pievatolo. Bayesian density estimation and model selection using nonparametric hierarchical mixtures. *Computational Statistics & Data Analysis*, 54(4):816–832, 2010.
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- [15] R. Argiento, A. Guglielmi, and A. Pievatolo. Estimation, prediction and interpretation of ngg random effects models: an application to kevlar fibre failure times. *Statistical Papers*, 55(3):805–826, 2014.
- [16] R. Argiento, A. Guglielmi, A. Pievatolo, F. Ruggeri, and M. CNR-IMATI. Bayesian semiparametric inference for the accelerated failure time model using hierarchical mixture modeling with n-ig priors. In *2006 Joint Statistical Meetings*, pages 1–8. American Statistical Association, 2006.
- [17] R. Argiento, A. Pievatolo, F. Ruggeri, and A. Guglielmi. Bayesian semiparametric inference for the aft model, using n-ig mixture priors. In *Rischio e Previsione, Atti della riunione intermedia 2007*. CLEUP, 2007.
- [18] R. Benassi, A. Pievatolo, and R. Göb. An l-banded approximation to the inverse of symmetric toeplitz matrices. *Economic Quality Control*, 2010.
- [19] M. Borrotti, E. Lanzarone, F. Manganini, S. Ortelli, A. Pievatolo, and C. Tonetti. Defect minimization and feature control in electrospinning through design of experiments. *Journal of applied polymer science*, 134(17), 2017.
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- [23] A. Capozza, C. D’Adamo, G. Mauri, and A. Pievatolo. Load shedding and demand side management enhancements to improve the security of a national electrical system. In *2005 IEEE Russia Power Tech*, pages 1–7. IEEE, 2005.

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