

24th International Conference on COMPUTATIONAL STATISTICS (COMPSTAT 2022)

23-26 August 2022, Bologna, Italy

Generate schedule with selected sessions

- Keynote talk 1** Tuesday 23.8.2022 09:00 - 10:00 *Room: Aula B*
[Are deviations in a gradually varying mean relevant?](#)
Speaker: H. Dette *Chair: Maria Brigida Ferraro*
- Keynote talk 2** Thursday 25.8.2022 11:30 - 12:20 *Room: Aula B*
[Testing the existence of moments and estimating the tail index of augmented GARCH processes](#)
Speaker: J.-M. Zakoian *Co-authors: C. Francq* *Chair: Alessandra Luati*
- Keynote talk 3** Friday 26.8.2022 12:10 - 13:15 *Room: Aula B*
[Learning and prediction via hierarchies of random measures in Bayesian nonparametrics](#)
Speaker: I. Pruenster *Chair: Christophe Croux*

PARALLEL SESSIONS (GMT)

**Parallel session B:
COMPSTAT2022** Tuesday 23.8.2022 10:30 - 12:30

- Session CI013 (Special Invited Session)** *Room: Aula B*
Small area estimation *Tuesday 23.8.2022 10:30 - 12:30*
Chair: Stefan Sperlich *Organizer: Stefan Sperlich*
- A0604: D. Morales**, M.-D. Esteban, M.J. Lombardia, E. Lopez Vizcaino, A. Perez
[Empirical best prediction of bivariate nonlinear small area indicators](#)
- A0309: F. Schirripa Spagnolo**, G. Bertarelli, R. Chambers, D. Haziza, N. Salvati
[Full bias correction approaches for M-quantile small area estimators: Application to Italian labour force survey.](#)
- A0428: Y. Lee**, M. Runge, N. Rojas Perilla, T. Schmid
[Variable selection using conditional AIC for linear mixed models with data-driven transformations](#)
- A0180: S. Sperlich**, M.J. Lombardia, K. Reluga
[Uniform inference for SAE](#)

- Session CO073** *Room: Aula D*
Statistical analysis in finite and infinite dimensional Hilbert spaces *Tuesday 23.8.2022 10:30 - 12:30*
Chair: Karel Hron *Organizer: Karel Hron*
- A0328: K. Hron**, A. Menafoglio, J. Palarea-Albaladejo, P. Filzmoser, J.J. Egozcue
[Weighting of parts in compositional data using Bayes Hilbert spaces](#)
- A0356: K. Facevicova**, P. Filzmoser, K. Hron
[Analysis of multi-factorial compositional data main principles and perspectives](#)

A0319: S. Greven, E.-M. Maier, A. Stoecker, B. Fitzenberger

[Additive density-on-scalar regression in Bayes Hilbert spaces with an application to gender economics](#)

A0352: P. Jaskova, K. Hron, J. Palarea-Albaladejo, A. Gaba, Z. Pedisic, D. Dumuid

[Scalar-on-function regression and functional isotemporal substitution analysis in the context of](#)

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Tuesday 23.8.2022 10:30 - 12:30

Generate schedule with selected sessions

Organizer: COMPSTAT

A0472: P. Winker

[Introductory tutorial to text mining in econometrics](#)

Session CO142

Room: Aula Q

Algebraic statistics

Tuesday 23.8.2022 10:30 - 12:30

Chair: Marta Nai Ruscone

Organizer: Marta Nai Ruscone, Eva Riccomagno

A0372: G. Montufar, J. Mueller

[Geometry of memoryless policy optimization in POMDPs](#)

A0236: L. Solus

[Recent developments in hybrid causal discovery](#)

A0663: C. Amendola, P. Dettling, M. Drton, N.R. Hansen, R. Homs

[Identifiability in continuous graphical Lyapunov models](#)

A0497: E. Perrone, R. Fontana

[Multivariate Bernoulli distributions and discrete copulas](#)

A0332: F. Rapallo

[Markov bases from discrete to continuous frameworks](#)

Session CC158

Room: Aula C

Time series

Tuesday 23.8.2022 10:30 - 12:30

Chair: Rob Hyndman

Organizer: COMPSTAT

A0297: J.-M. Poggi, Y. Goude, H. Yan, B. Goehry, P. Massart

[Random forests for time series](#)

A0299: R. Hyndman

[Decomposing time series with complex seasonality](#)

A0390: J. Lee

[Testing for and measuring serial dependence by neural networks](#)

A0420: F. Kyriazi, D. Thomakos, J. Guerard

[Multivariate adaptive learning forecasting](#)

A0528: M. Gong, R. Killick, C. Nemeth

[A changepoint approach to modelling soil moisture dynamics](#)

Session CC159

Room: Aula E

Algorithms and computational methods

Tuesday 23.8.2022 10:30 - 12:30

Chair: Bettina Gruen

Organizer: COMPSTAT

A0302: F. Brueck

[Exact simulation of continuous max-id processes](#)

A0537: M. Schlather, A. Freudenberg

[Tricks that accelerate matrix multiplication on CPUs](#)

A0573: A. Freudenberg, M. Schlather

[GPU routines for accelerated genomic calculations](#)

A0605: J.M. Pavia

[Extending linear programming ecological inference methods by machine learning](#)

A0657: V. Pastukhov[Fussed nearly-isotonic signal approximation](#) **Session CC220****Room: Aula F****Computational and financial econometrics II**

Tuesday 23.8.2022 10:30 - 12:30

Chair: Niklas Ahlören

Organizer: COMPSTAT

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Generate schedule with selected sessions[A volatility model with a time-varying intercept](#)**A0669: J. Sila, L. Kristoufek**[Estimating crypto market betas](#)**A0150: D. Hendry, J.L. Castle, J. Doornik**[Discriminating direct from induced equilibrium-mean shifts](#) **Session CC151****Room: Aula H****Bayesian statistics**

Tuesday 23.8.2022 10:30 - 12:30

Chair: Alicja Jokiel-Rokita

Organizer: COMPSTAT

A0405: T. Kutzker, N. Klein[Testing normalizing flows for posteriors in variational Bayes](#)**A0422: A. Jokiel-Rokita, R. Magiera**[Bayesian estimation versus maximum likelihood estimation in the Weibull-power law process](#)**A0437: F. van der Meulen, M. Schauer**[Backward filtering forward guiding for Markov processes](#)**A0448: N. Nakhaeirad, A. Bekker, M. Arashi, S. Millard**[A Bayesian nonparametric estimation of entropy for circular data](#)**A0650: B. Majoni, R. Leon-Gonzalez**[Exact likelihood for inverse gamma stochastic volatility models](#) **Session CC215****Room: Aula I****Classification**

Tuesday 23.8.2022 10:30 - 12:30

Chair: Marialuisa Restaino

Organizer: COMPSTAT

A0406: S. Golia, M. Carpita[Multi-class classification with imbalanced data: The choice of a categorical classifier](#)**A0419: J. C-Rella, R. Cao, J. Vilar Fernandez**[A dimensionality expansion methodology for loss optimization in cost sensitive problems](#)**A0483: D. Eleftheriou**[Doping control analysis in athletes steroid profile: A multivariate Bayesian learning approach](#)**A0652: I. Irigoien, C. Arenas**[Fuzzy classification with distance-based prototypes](#)**A0594: M. Okabe, H. Yadohisa**[Discriminant analysis with corrupted label data using subject similarity](#)

Parallel session C:
COMPSTAT2022

Tuesday
23.8.2022

14:15 -
15:45

 Session CI007 (Special Invited Session)**Room: Aula Q****Bootstrap and resampling in cluster analysis**

Tuesday 23.8.2022 14:15 - 15:45

Chair: Christian Hennig

Organizer: Christian Hennig

A0394: T. Ullmann, C. Hennig, A.-L. Boulesteix

[Validation of cluster analysis results on validation data: A systematic framework](#)

A0596: F. Leisch

[Resampling methods for exploring cluster stability](#)

A0430: M. Zafer Merhi, Z. Shkedy, A. Essaghir, D. Lin

[Clustering of single cell RNAseq data: An integrated analysis using multiple methods and robust](#)

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Organizer: Daniele Durante, Giacomo Zanella

Generate schedule with selected sessions

A0222: P. Touloupou, S. Spencer, B. Finkenstadt

[Scalable inference for epidemic models with individual level data](#)

A0310: S. Legramanti, D. Durante, P. Alquier

[Concentration and robustness of discrepancy-based ABC through Rademacher complexity](#)

A0480: K. McAlinn, M. Kato, S. Sugawara, K. Takanashi, D. Cabel

[Spatially-varying Bayesian predictive synthesis for flexible and interpretable spatial prediction](#)

A0598: C. Robert

[Evidence approximation and Bayesian model choice](#)

Session CO017

Room: Aula C

Analysis of ranking data

Tuesday 23.8.2022 14:15 - 15:45

Chair: Philip Yu

Organizer: Philip Yu

A0350: M. Alvo

[Empirical Bayes on a shoestring and other applications](#)

A0290: M.G. Schimek, L. Vitale, B. Pfeifer, M. La Rocca

[A computationally efficient non-parametric signal estimation approach for ranking data](#)

A0338: M. Sciandra, A. Plaia, A. Albano

[Ensemble methods for item-weighted label ranking: A comparison](#)

A0304: P. Yu, J. Gu

[Social order statistics models for ranking data](#)

Session CO033

Room: Aula D

Some advances in multivariate and functional statistics

Tuesday 23.8.2022 14:15 - 15:45

Chair: Enea Bongiorno

Organizer: Enea Bongiorno

A0237: J. Jacques, M. Amovin, I. Gannaz

[Functional data clustering with outlier detection](#)

A0323: S. Nagy

[Statistical depth for multivariate and functional data: Recent progress and perspectives](#)

A0384: M. Febrero-Bande, W. Gonzalez-Manteiga, A. Colubi, G. Gonzalez-Rodriguez

[The two sample problem for functional data](#)

A0305: A. Goia, E. Bongiorno

[Customizing the dimensionality of functional data](#)

Session CO045

Room: Aula E

Novel statistical methods for censored and skew data

Tuesday 23.8.2022 14:15 - 15:45

Chair: Victor Hugo Lachos Davila

Organizer: Victor Hugo Lachos Davila

A0153: F. Louzada

[A repairable system subjected to hierarchical competing risks: Modeling and applications](#)

A0216: C.E. Galarza Morales, K. Valeriano, L. Matos

[Moments and random number generation for the truncated elliptical family of distributions](#)

A0325: A. Roy, T. Opheim

[Linear models for multivariate repeated measures data from a skew normal distribution](#)

A0536: F. Schumacher, K.A. Loor Valeriano, V.H. Lachos Davila, L. Avila Matos, C.E. Galarza Morales

[Censored autoregressive regression modeling using the R package ARCensReg](#)

Session CO125

Room: Aula I

Statistical analysis of networks: Applications in cyber-

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Generate schedule with selected sessions

N. Heard, P. Thiede, R. Bevington

[Unsupervised attack pattern detection in cyber-security using topic modelling](#)

A0379: I. Gallagher, P. Rubin-delanchy, C. Priebe, A. Jones, A. Bertiger

[Spectral embedding of weighted graphs](#)

A0707: H. Helfer Hoeltgebaum, N. Adams, C. Fernandes

[Estimation, forecasting and anomaly detection for nonstationary streams using adaptive estimation](#)

Session CO115

Room: Virtual Room R1

Latent variable and psychometric modelling (virtual)

Tuesday 23.8.2022 14:15 - 15:45

Chair: Michela Battauz

Organizer: Michela Battauz

A0210: M. Wiberg

[Equating tests with mixed format tests](#)

A0211: S. Bacci, B. Bertaccini, F. Cipollini

[Monitoring the Brunelleschi's Dome through latent variable models](#)

A0451: R. Di Mari

[Psycho COVID-19: Evaluating the risk of the psycho-physical impact of the pandemic](#)

A0634: G. Alfonzetti

[A stochastic optimization algorithm for pairwise likelihood estimation of factor models with ordinal data](#)

Session CC219

Room: Aula F

Feature selection and variable importance

Tuesday 23.8.2022 14:15 - 15:45

Chair: Karel Hron

Organizer: COMPSTAT

A0415: B. Liquet, S. Moka, H. Zhu, S. Muller

[Best subset selection via continuous optimization](#)

A0506: N. Hernandez, G. Martos

[Domain selection for Gaussian processes](#)

A0221: C.J. Salaroli, M.D.C. Pardo

[Features selection and combination in high-dimensional data with the penalized Youden index](#)

A0447: M. Medl, M. Medl, T. Scharl, A. Duerauer, F. Leisch

[Permutation based variable importance determination for deep learning](#)

Session CC162

Room: Aula G

Parametric inference

Tuesday 23.8.2022 14:15 - 15:45

Chair: Sara Taskinen

Organizer: COMPSTAT

A0270: T. Massing

[Parametric estimation of tempered stable laws](#)

A0344: A. Hernandez

[Geometric goodness of fit measure to detect patterns in data point clouds](#)

A0505: M. Whitehouse

[Fast and consistent inference in compartmental models of epidemics using Poisson approximate likelihoods](#)

A0626: L. McQuaid, S. Moghaddam, K. Burke

[Penalized power-generalized Weibull distributional regression](#) Session CC157**Room: Aula H****Applied statistics and data analysis**

Tuesday 23.8.2022 14:15 - 15:45

Chair: Qing Pan

Organizer: COMPSTAT

A0465: B. Santos

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Generate schedule with selected sessions [session](#)

A0056: F. Gokarip Tavuz

[Data science education for developing countries: The process of democratization](#)**Parallel session D:
COMPSTAT2022**Tuesday
23.8.202216:15 -
17:45 Session CV193**Room: Aula B****Applied statistics (virtual)**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Anuradha Roy

Organizer: COMPSTAT

A0502: A. Guizzardi, L.V. Ballestra, E. DInnocenzo

[A statistical approach to evaluate last minute pricing decisions in the online hotel market](#)

A0592: K. Young, L. Bantis

[Estimation and inference on the partial volume under the ROC surface](#)

A0636: N. Chakraborty, T. Mahmood

[Failure rate monitoring in generalized gamma-distributed process](#)

A0614: I. Kenny, D. Kbaier

[A novel environmental system-focused empirical mode decomposition analysis: Application to Minas passage](#) Session CI015 (Special Invited Session)**Room: Aula F****Bayesian and computational extreme value analysis**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Miguel de Carvalho

Organizer: Miguel de Carvalho

A0287: B. Sanso, P. Trubey

[A Bayesian non-parametric approach for multivariate peak over threshold models and anomaly detection](#)

A0383: M. de Carvalho, P. de Zea Bermudez

[An extreme value Bayesian Lasso for the conditional bulk and tail](#)

A0386: E. Hector

[Distributed inference for extreme value analysis of large spatial datasets](#) Session CO031**Room: Aula C****Statistical text mining**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Peter Winker

Organizer: Peter Winker

A0335: V. Naboka, P. Winker, P. Tillmann, A. Latifi

[Measuring fiscal policy preferences based on the German Bundestag speeches and public discourse](#)

A0515: V. Bystrov, V. Naboka, A. Staszewska-Bystrova, P. Winker

[Comparative analysis of LDA model selection criteria based on Monte Carlo simulations](#)

A0342: A. Latifi, P. Winker, D. Lenz

[Identification of innovation diffusion trends with FDA clustering](#)

A0570: I. Savin

[A survey of scientists opinions on climate mitigation policy](#)

Session CO123**Room: Aula D****Statistical analysis of networks**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Francesco Sanna Passino

Organizer: Francesco Sanna Passino

A0345: N. Heard[Changepoint inference with a graphical dependence structure](#)

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Generate schedule with selected sessions **Session CO095****Room: Aula E****Statistical learning in practice**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Alejandro Murua

Organizer: Alejandro Murua

A0590: R. Maitra, C. Llosa-Vite[Reduced-rank tensor-on-tensor regression and tensor-variate analysis of variance](#)**A0591: K. Dorman, Y. Zhang, H.T.H. Vu, G. Tuteja**[Unsupervised deep learning of ATAC-seq peaks](#)**A0501: T. Dimitriadis, T. Gneiting, A. Jordan, P. Vogel**[Evaluating probabilistic classifiers: The Triptych](#)**A0599: F. Maire**[Independent Metropolis sampler without rejection](#) **Session CO131****Room: Aula G****Analysis of complex real life data**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Qing Pan

Organizer: Qing Pan

A0412: Q. Pan[Risk predictions using panel count data with informative observation times](#)**A0435: Y. Li**[Informed presence in electronic health record data: Bias and bias reduction approaches in longitudinal analyses](#)**A0421: A. Ciarleglio**[Multiple imputation methods for functional data with applications in mental health research](#)**A0190: A. Birbilas, A. Rackauskas**[Functional modeling of telecommunications data](#) **Session CO103****Room: Aula I****Statistical methods for survival data**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Marialuisa Restaino

Organizer: Sara Milito, Marialuisa Restaino

A0417: C. Moreira[Bias induced by ignoring double truncation](#)**A0522: M. Restaino, S. Milito**[A note on nonparametric survival functions under censored and truncated data](#)**A0556: D. Dobler**[Relative treatment effects in two dependent samples: An alternative to logrank or sign tests](#)**A0695: F. Hooti, J. Ahmadi, M. Longobardi**[General proportional mean residual and past lifetime frailty models](#) **Session CO176****Room: Aula Q****Dimension reduction in recent cross sectional and time series methods**

Tuesday 23.8.2022 16:15 - 17:45

Chair: Matteo Farne

Organizer: Matteo Farne

A0434: A. Aue, H. Li, D. Paul, J. Peng

[Testing high-dimensional general linear hypotheses under a multivariate regression model with spiked noise covariance](#)

A0517: V. Characiejus, C. Cerovecki, S. Hoermann

[The maximum of the periodogram of a sequence of functional data](#)

A0670: M. Farne, M. Barigozzi

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Tuesday 23.8.2022 10:15 - 11:45

Generate schedule with selected sessions

Organizer: COMPSTAT

A0252: R. Abbasi Asl

[Compression-enabled interpretability of deep learning models for scientific discovery.](#)

A0533: D. Williams, S. Liu

[Kernelised Stein discrepancy for truncated density estimation](#)

A0564: M. Reeves, H. Bhat

[Estimating continuous-time Markov chain transition rate functions with neural networks](#)

A0578: L. Pacchiardi, R. Dutta

[Generative neural networks via scoring rule minimization for probabilistic forecasting and likelihood-free inference](#)

**Parallel session E:
COMPSTAT2022**

Tuesday
23.8.2022

17:55 -
18:55

Session CO085

Room: Aula D

Applied data science and statistical learning

Tuesday 23.8.2022 17:55 - 18:55

Chair: Frederic Bertrand

Organizer: Frederic Bertrand

A0314: Y. Valero, L.A. Ebongue Ebaha, F. Bertrand, M. Maumy

[Reinforcement learning for next best action recommendation in process data](#)

A0320: E. Logosha, F. Bertrand, M. Maumy

[Sensitivity analysis using discrete event simulation on the selling times of a fraction of a stock](#)

A0552: F. Fahs, F. Bertrand, M. Maumy-Bertrand

[Forecasting electricity consumption at household level](#)

Session CO109

Room: Aula E

Dynamic models for discrete time series and longitudinal data

Tuesday 23.8.2022 17:55 -
18:55

Chair: Roberto Di Mari

Organizer: Roberto Di Mari

A0377: S. Mildiner Moraga, E. Aarts

[Extending the Poisson hidden Markov model to the multilevel framework with individual random effects](#)

A0453: M. Doretto, G.E. Montanari, F. Bartolucci, M.F. Marino

[Evaluating complex agency effects on status transitions: Challenges within a Latent Markov Model paradigm](#)

A0351: P. Cizek

[Bias-corrected robust estimation of dynamic panel data models](#)

Session CO180

Room: Aula F

Computational statistics from the lens of young researchers II

Tuesday 23.8.2022 17:55 - 18:55

Chair: Riccardo Ceccato

Organizer: Riccardo Ceccato, Marta Disegna

A0225: J. Beck, A. Bathke

[A unifying framework for rank and pseudo-rank based inference using nonparametric confidence distributions](#)

A0343: E. Barzizza, R. Arboretti, N. Biasetton, M. Disegna, L. Pegoraro, L. Salmaso

[Permutation tests for C-sample problems: A multivariate scenario](#)

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Generate schedule with selected sessions

Chair: Laura Antonini

Organizer: Laura Antonini, Stefania Galimberti

A0330: F. Bovis

[Personalized response to treatment in patients with MS: Do different patients show benefits on different outcomes?](#)

A0382: G. Cortese, T. Scheike

[Estimation of the marginal mean of recurrent events](#)

A0600: G. Infante, F. Ambrogi, R. Miceli

[Sample size and predictive performance of machine learning methods with survival data.](#)

Session CO146

Room: Aula Q

IFCS session: Assessment of cluster stability and phylogenetic inference

Tuesday 23.8.2022 17:55 - 18:55

Chair: Berthold Lausen

Organizer: Berthold Lausen

A0443: C. Hennig, S. Akhanli

[Using aggregated cluster validity indexes to cluster football players performance data](#)

A0469: A.F. Leuchtenberger, S.M. Crotty, T. Drucks, H.A. Schmidt, S. Burgstaller-Muehlbacher, A. von Haeseler

[Phylogeny and artificial neural networks](#)

A0676: B. Lausen

[Parametric bootstrap evaluation of unsupervised statistical learning and applications](#)

Session CC230

Room: Aula B

Statistical modelling and inference

Tuesday 23.8.2022 17:55 - 18:55

Chair: Francisco Louzada

Organizer: COMPSTAT

A0690: M. Manca, F. Bertolino, S. Columbu, M. Musio

[The Bayesian discrepancy measure: A new method for Bayesian inference](#)

A0691: I. Pereira

[Bayesian modeling of time series of counts under censoring](#)

A0696: M. Bhaduri

[Detecting breaks in certain random intensities through sequential testing on point processes](#)

Session CC229

Room: Aula C

Missing data

Tuesday 23.8.2022 17:55 - 18:55

Chair: Victor Hugo Lachos Davila

Organizer: COMPSTAT

A0557: G. Frahm

[Missing-data analysis with power M-estimators](#)

A0646: M. AL-Shaabi, R. Wesonga

[An R Package for bias reduction with LogF\(1,1\) penalty under the MAR mechanism](#)

A0654: J. Noonan, R. Mitra, S. Biedermann

[Improving the power of a test for detecting "missing not at random"](#)

Session CC223

Room: Aula G

Forecasting

Tuesday 23.8.2022 17:55 - 18:55

Chair: Aldo Goia*Organizer:* COMPSTAT**A0563: A. Bucci**, L. Ippoliti, P. Valentini[Forecasting cardiorespiratory hospitalizations from air pollution levels through artificial neural networks](#)**A0243: S. Safi**

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Tuesday 23.8.2022 17:55 - 18:55

Organizer: COMPSTAT*Chair:* Domingo Morales**A0223: D. Ferreira**, S. Ferreira, C. Nunes, J. Mexia[Nesting random effects factors in fixed effects factors](#)**A0224: S. Ferreira**, D. Ferreira, C. Nunes, J. Mexia[A simulation study considering mixed linear models with cumulants generated by a Weibull distribution](#)**A0585: A.T. Stueber**, S. Coors, K. Jeblick, A. Mittermeier, O. Oecal, B. Schachtner, P. Wesp, M. Seidensticker, M. Ingrisch[ML pipeline for radiomics-based survival analysis on CT images of patients with hepatic CRC metastases](#)

Parallel session F: COMPSTAT2022

Wednesday
24.8.202209:00 -
10:30
 Session CV191
Room: Aula B

Semi- and nonparametric methods (virtual)

Wednesday 24.8.2022 09:00 - 10:30

Chair: Dennis Dobler*Organizer:* COMPSTAT**A0620: M. Taku**[Nonparametric distribution estimators of sample maximum in iid settings](#)**A0625: M. Kitani**, Y. Ma, H. Murakami[Two-sample modified Anderson-Darling test and its properties](#)**A0273: K. Huang**, S. Zheng, L. Yang[Inference for dependent error functional data with application to event related potentials](#)**A0269: Z. Song**, L. Yang, Y. Zhang[Hypotheses testing of functional principal components](#)
 Session CI009 (Special Invited Session)
Room: Aula G

Non-regular statistical analytics for non-normal data

Wednesday 24.8.2022 09:00 - 10:30

Chair: Tsung-I Lin*Organizer:* Tsung-I Lin**A0374: G. McLachlan**, S. Lee[Some skew distributions useful in model-based clustering](#)**A0265: V.H. Lachos Davila**, L. Avila Matos, F. Schumacher[skewlmm: An R Package for fitting skewed and heavy-tailed linear mixed models](#)**A0207: M. Arashi**, M. Taavoni[High-dimensional generalized linear model for longitudinal data](#)
 Session CO063
Room: Aula C

Copula models and applications

Wednesday 24.8.2022 09:00 - 10:30

Chair: Elisa Perrone*Organizer:* Elisa Perrone**A0534: C. Grazian**, C. Villa, L. Brunero, D. Battagliese[Copula modelling with penalised complexity priors](#)

A0471: S. Fuchs[Quantifying directed dependence via dimension reduction](#)**A0572: S. Saminger-Platz, A. Kolesarova, A. Seliga, R. Mesiar, E.P. Klement**[Dependence parameters of some perturbation-based copulas](#)**A0283: C. Garcia-Gomez, A. Perez Espartero, M. Prieto-Alaiz**

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Generate schedule with selected sessions

[Robust detection for change-points in functional time series based on spatial signs and bootstrap](#)**A0334: S. Davenport**[Confidence regions for the location of peaks of a smooth random field](#)**A0473: T. Mensinger**[Fair causal inference with functional data](#)**A0597: F. Telschow, A. Schwartzman**[Simultaneous inference with CoPE sets](#) **Session CO059****Room: Aula Q****Advances in latent variable models I (virtual)**

Wednesday 24.8.2022 09:00 - 10:30

Chair: Paolo Giordani

Organizer: Paolo Giordani

A0312: X. Song[Causal mediation analysis with latent mediators and survival outcome](#)**A0336: M. Battauz**[A fused lasso penalization for the nominal response model](#)**A0359: K. Van Deun**[Joint sparse principal component analysis](#)**A0499: S. Pandolfi, F. Bartolucci, F. Pennoni**[A misspecification test for hidden Markov models based on finite mixture models](#) **Session CC213****Room: Aula E****Model-based clustering**

Wednesday 24.8.2022 09:00 - 10:30

Chair: Francesco Sanna Passino

Organizer: COMPSTAT

A0440: T. Scharl, B. Gruen[Modelling three-way RNA sequencing data using matrix-variate Gaussian mixture models](#)**A0542: F. Amato, J. Jacques**[Clustering longitudinal ordinal data](#)**A0545: L. Brusa, C. Matias**[A stochastic block model for hypergraphs](#)**A0503: G. Marchello, M. Corneli, C. Bouveyron**[A dynamic latent block model for co-clustering of zero-inflated count data streams](#) **Session CC218****Room: Aula F****Design of experiments**

Wednesday 24.8.2022 09:00 - 10:30

Chair: Frederick Kin Hing Phoa

Organizer: COMPSTAT

A0268: K. Zhu, H. Liu[Pair-switching rerandomization](#)**A0274: S.-F. Tsai**[Constructing optimal order-of-addition designs using latin squares](#)**A0397: S. Leorato, C. Tommasi, A. Lanteri, J. Lopez-Fidalgo**[Optimal design to test for heteroscedasticity in a regression model](#)**A0479: A. Mahmoudi, S. Mandal**[A comparative study of methods for constructing optimal designs](#)

Session CC222**Room: Aula H****Biostatistics and applications**

Wednesday 24.8.2022 09:00 - 10:30

Chair: Malgorzata Bogdan

Organizer: COMPSTAT

A0396: C.J. Perez Sanchez, J. Carron, Y. Campos-Roca, M. Madruga Escalona[A computer-aided diagnosis system to detect Parkinson disease by using acoustic features](#)

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[Statistical modeling of Health-care based on metabolic stress and oxidative stress scores](#)**Generate schedule with selected sessions**[Multiblock analysis of mixed data with optimal scaling: Application in epidemiology](#) **Session CC152****Room: Aula I****Robust methods I**

Wednesday 24.8.2022 09:00 - 10:30

Chair: Peter Filzmoser

Organizer: COMPSTAT

A0348: A. van der Merwe, J. Ferreira[Computational discussions within an integer time series setup using a novel Poisson-Lindley model](#)**A0398: P. Janacek, J. Kalina**[A bootstrap comparison of robust regression estimators](#)**A0401: A. Minasyan, A. Dalayan**[All-in-one Robust Estimator of the Gaussian Mean](#)**A0494: P. Pfeiffer, A. Alfons, P. Filzmoser**[Efficient computation of robust multivariate maximum association](#) **Session CP001****Room: Virtual Posters Room I****Poster session I**

Wednesday 24.8.2022 09:00 - 10:30

Chair: Cristian Gatu

Organizer: COMPSTAT

A0439: D. Shin, J.E. Choi[Forecasting implied volatility forecast by a parallel combination of CNN-bidirectional LSTMs](#)**A0452: J. Kim, H. Lee, S. Shin**[Statistical network analysis for epilepsy MEG Data](#)**A0628: H. Lorenzo, J. Saracco, O. Cloarec**[Imputation for supervised learning problems in high dimension](#)**A0254: D. Salmeron Martinez, J.A. Cano Sanchez, C. Robert**[New developments on integral priors for Bayesian model selection](#)**A0418: R. Caballero-Aguila, J. Linares-Perez**[Covariance-based distributed fusion filter under random delays, packet dropout compensation and signal-noise correlation](#)**A0436: M. Fayaz**[Using functional data analysis with electroencephalography data and introducing the `\texttt{EEGLAB_FDA_MATLAB}` plugin](#)**A0470: M. Schindler, O. Arslan, Y. Guney, J. Jureckova, J. Picek, Y. Tuac**[Study on nonparametric tests in linear model with autoregressive errors](#)**A0704: E. Ryan, B. Bray, J. Dziak, A. Hannigan, H. Purtill**[Latent class analysis in large observational datasets: What makes a good model?](#)**A0706: J. Bohm, E. Budinska**[Comparing the power of test statistics suitable for two sample compositional difference tests](#)**Parallel session G:
COMPSTAT2022**Wednesday
24.8.202211:00 -
12:30

Session CV197**Room: Aula Q****Statistical modelling and inference (virtual)**

Wednesday 24.8.2022 11:00 - 12:30

Chair: Fabrizio Durante

Organizer: COMPSTAT

A0653: M. Bernardi, F. Lisi[Multiple non-crossing quantiles models for density forecasting](#)

24th International Conference on COMPUTATIONAL STATISTICS (COMPSTAT 2022)

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 Generate schedule with selected sessions[Constructing interval-valued confidence intervals for multiple threshold parameters](#) **Session CI011 (Special Invited Session)****Room: Aula F****Multistate models and intermediate events**

Wednesday 24.8.2022 11:00 - 12:30

Chair: Martina Mittlboeck

Organizer: Martina Mittlboeck

A0203: L. Machado[Analysis of survival data with multiple events: New contributions and practical recommendations](#)**A0531: L. Antolini, E. Tassistro, D.P. Bernasconi, P. Rebora, M.G. Valsecchi**[Modelling the hazard of transition into the absorbing state in the illness-death survival model](#)**A0554: U. Poetschger, H. Heinzl, M. Mittlboeck**[Evaluating longterm survival with generalised and weighted pseudovalues in paediatric stem cell transplantation studies](#) **Session CO057****Room: Aula B****Bayesian time series novelty (virtual)**

Wednesday 24.8.2022 11:00 - 12:30

Chair: Michele Costola

Organizer: Luca Rossini

A0175: J. Cross, A. Poon, G. Koop, C. Hou[Large vector autoregressions with stochastic volatility in mean](#)**A0444: A. Camehl, D. Fok, K. Gruber**[A general Bayesian approach to multiple-output quantile regression](#)**A0468: K. Klieber, F. Huber, N. Hauzenberger, M. Marcellino**[Model specification for Bayesian neural networks in macroeconomics](#)**A0514: M. Costola, M. Iacopini, C. Wichers**[Time-varying multilayer networks in a Bayesian spatial autoregressive model](#) **Session CO097****Room: Aula C****Sports statistics**

Wednesday 24.8.2022 11:00 - 12:30

Chair: Leonardo Egidi

Organizer: Leonardo Egidi

A0245: L. Grasseti[G-RAPM: Revisiting players contributions in regularized adjusted plus-minus models for basketball analytics](#)**A0354: A. Groll**[Modeling and predicting the UEFA EURO 2020 with hybrid machine learning](#)**A0370: A. Lubisco**[Is the man-up situation really effective in women's waterpolo? A study on the 2020 European Championship](#)**A0632: S.M. Nagarajan, A. Maes, D. Goossens, L.M. Hvattum, C. Ley**[Plus-minus a couple of millions: A machine learning model for transfer fee analysis](#) **Session CO170****Room: Aula D****Volatility models**

Wednesday 24.8.2022 11:00 - 12:30

Chair: Jean-Michel Zakoian

Organizer: Christian Francq

A0244: B.M. Kandji, C. Francq, J.-M. Zakoian[Inference on multiplicative component GARCH without any small-order moment](#)

A0278: C. Francq, F. Blasques, S. Laurent

[Linear regressions on time series](#)

A0277: J. Royer, C. Francq, J.-M. Zakoian

[A multivariate ARCH\(\$\infty\$ \) model with exogenous variables and dynamic conditional betas](#)

A0289: A. Aknouche, C. Francq

24th International Conference on COMPUTATIONAL STATISTICS (COMPSTAT 2022)

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Generate schedule with selected sessions B. Jeronimus, C. Albers

[Uncovering clusters and within-cluster variation in time series: Mixture multilevel vector-autoregressive modeling](#)

A0411: M.F. Marino, M. Alfo, M.G. Ranalli, N. Salvati

[lqmix: An R package to model longitudinal data via mixtures of linear quantile regressions](#)

A0429: S. Cagnone, S. Bianconcini

[Approximate likelihood estimation of dynamic latent variable models for count data](#)

A0509: S. Taskinen, P. Korhonen, F. Hui, J. Niku

[Fast and universal estimation of latent variable models using extended variational approximations](#)

Session CC208

Room: Aula E

Change-point detection

Wednesday 24.8.2022 11:00 - 12:30

Chair: Berthold Lausen

Organizer: COMPSTAT

A0194: M. Pesta, M. Maciak, B. Pestova

[Changepoint in dependent and non-stationary panels](#)

A0492: J. Flossdorf, C. Jentsch, R. Fried

[Change detection in dynamic networks using flexible multivariate control charts](#)

A0561: G. Agarwal, I. Eckley, P. Fearnhead

[Modelling and detecting changes in spatial time series](#)

A0496: O. Li, R. Killick

[Changepoint detection in periodic behaviour](#)

Session CC212

Room: Aula G

Data depth

Wednesday 24.8.2022 11:00 - 12:30

Chair: Stanislav Nagy

Organizer: COMPSTAT

A0381: G. Van Bever, G. Louvet

[The influence function of scatter halfspace depth](#)

A0466: R. Dyckerhoff, S. Nagy, P. Laketa

[Efficient computation of the angular halfspace depth](#)

A0530: A. Castellanos, P. Mozharovskiy, F. d Alche-Buc

[RKHS-based projection depths](#)

A0577: P. Mozharovskiy, R. Dyckerhoff, S. Nagy

[Approximate computation of projection depths](#)

Session CC209

Room: Aula H

Text mining

Wednesday 24.8.2022 11:00 - 12:30

Chair: Peter Winker

Organizer: COMPSTAT

A0220: D. Daya, E. Barrios

[Semiparametric latent topic modeling on consumer-generated corpora](#)

A0316: D. Eugenis

[Gender differences in personality perceptions in the labor force: Use of new data sources](#)

A0618: L. Kontoghiorghes, A. Colubi

[Testing the equality of topic distribution between documents of a corpus](#)

A0388: C. Funk, E. Toenjes, L. Breuer, R. Teuber

[Difference in SDG reportings of research articles using zero-shot text classification](#)

Parallel session H:
COMPSTAT2022

Wednesday
24.8.2022

14:15 -
16:15

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Generate schedule with selected sessions

[on kernels for structured data: the case of the subtree kernel](#)

A0583: P.C.R. Vicente

[Evaluating the effect of planned missing designs in the structural equation models fit measures](#)

A0240: M. Casquilho, J. Buescu

[Mean of exponential distributions: Estimation from sums of unequal size samples](#)

A0311: M. Cremona, H. Dang, F. Chiaromonte

[smoothEM: A new approach for the simultaneous assessment of smooth curves and spikes](#)

A0294: K.W. Chan, M.F. Leung

[On variance estimation in online problems](#)

Session CO140

Room: Aula C

Computational statistics: Theory and applications

Wednesday 24.8.2022 14:15 - 16:15

Chair: Alba Martinez-Ruiz

Organizer: Alba Martinez-Ruiz

A0308: L. Pagliosa Carvalho Guedes, L. Ellen Dal Canton, M. Angel Uribe-Opazo, T. Cantu Maltauro, R. Aparecida Botinha Assumpcao

[Sampling redesign considering spatial Student models: An effective sample size application](#)

A0404: R. Carvajal-Schiaffino

[A distributed algorithm for exhaustive normality test](#)

A0307: A. Martinez-Ruiz, C. Lauro

[Incremental SVD for some numerical aspects of multiblock redundancy analysis and big data streams](#)

A0400: J. Acosta, R. Vallejos

[Assessing the estimation of nearly singular covariance matrices for modeling spatial variables](#)

A0402: A. Iodice D Enza, A. Markos, F. Palumbo

[Regularised PCA for incremental single imputation of missings](#)

Session CO183

Room: Aula E

Stochastic models for dynamical systems: Methods and computations

Wednesday 24.8.2022 14:15 -
16:15

Chair: Manuel Molina

Organizer: Manuel Molina

A0251: S.K. Yadav, P.A.K. Laha

[Coalescence in branching processes with age dependent structure in population](#)

A0364: J.Y. Fan

[From multi-type age structure models to epidemic compartmental models](#)

A0368: M. Slavtchova-Bojkova, O. Hyrien, N. Yanev

[Subcritical multitype Markov branching processes with immigration generated by Poisson random measures](#)

A0317: E. Yarovaya

[Fundamental problems arising in the analysis of applied stochastic models](#)

A0217: M. Molina, M. Mota, A. Ramos

[Stochastic modeling in dynamical populations through two-sex branching processes: Inferential and computational results](#)

Session CO029**Room: Aula G****Dependence models**

Wednesday 24.8.2022 14:15 - 16:15

Chair: Fabrizio Durante

Organizer: Fabrizio Durante

A0177: J. Ansari, L. Ruschendorf[General comparison results for factor models](#)

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Generate schedule with selected sessions**A0504: B. Popovic**[One integral transform of the copula function](#) **Session CO049****Room: Aula H****Optimal experimental design and applications**

Wednesday 24.8.2022 14:15 - 16:15

Chair: Ellinor Fackle-Fornius

Organizer: Ellinor Fackle-Fornius, Frank Miller

A0187: W. Mueller, R. Harman[A design criterion for symmetric model discrimination based on flexible nominal sets](#)**A0291: K. Schorning, H. Dette**[Optimal designs for comparing regression curves: Dependence within and between groups](#)**A0373: L. Filova, R. Harman, S. Rosa**[Computing optimal designs of multifactor experiments](#)**A0495: F. Miller, E. Fackle-Fornius**[Optimal pretesting of questions for Swedish national tests in school](#)**A0511: R.E. Tsirpitz, F. Miller**[Optimal dose-finding for drug combinations](#) **Session CC161****Room: Aula D****Statistical modelling**

Wednesday 24.8.2022 14:15 - 16:15

Chair: Shubhadeep Chakraborty

Organizer: COMPSTAT

A0195: M. Maciak[Quantile LASSO with change-points in panel data models](#)**A0306: R. Miao**[A general joint latent class model of longitudinal and survival data with time-varying membership probability](#)**A0433: G. Martos, M. de Carvalho**[Uncovering regions of maximum dissimilarity on random process data](#)**A0674: A. Josang**[Prior weights of Dirichlet PDFs](#)**A0281: K. Huynh**[Weighted average least squares for negative binomial regression](#) **Session CC207****Room: Aula F****Spatial statistics**

Wednesday 24.8.2022 14:15 - 16:15

Chair: Pier Giovanni Bissiri

Organizer: COMPSTAT

A0248: S.J. Villejo, J. Illian, B. Swallow[Data fusion in a two-stage spatio-temporal model using the INLA-SPDE approach](#)**A0524: M. Peruzzi, D. Dunson**[Spatial meshing and manifold preconditioning for Bayesian analysis of non-Gaussian data](#)**A0601: A. Halder**[Bayesian variable selection in double generalized linear Tweedie spatial process models](#)**A0660: A. Gosnell**

[A conditional Gaussian process model for ordinal data and its application in predicting herbicidal performance](#)

A0574: F. Sigrist

[Latent Gaussian model boosting](#)

Session CC211

Room: Aula I

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Generate schedule with selected sessions [M. Arashi, G. Maribe](#)

[Comparison and feature selection in mixtures of generalised linear models](#)

A0595: A. Hairault, C. Robert, J. Rousseau

[Evidence estimation in finite and infinite mixture models and applications](#)

A0655: A. Sottosanti, M. Bernardi, A.R. Brazzale, A. Geringer-Sameth, D. Stenning, R. Trotta, D. van Dyk

[Identification of high-energy astrophysical point sources via hierarchical Bayesian nonparametric clustering](#)

A0432: T. Singh

[Estimation of parameters of a mixture of two exponential distributions](#)

Session CC155

Room: Aula Q

Semi- and nonparametric methods

Wednesday 24.8.2022 14:15 - 16:15

Chair: Stefan Sperlich

Organizer: COMPSTAT

A0331: M. Khismatullina, M. Vogt

[Nonparametric comparison of epidemic time trends: The case of COVID-19](#)

A0442: S. Girard, M. Allouche, J. El Methni

[A refined Weissman estimator for extreme quantiles](#)

A0491: M. Jansen

[Multiscale splines and local polynomials](#)

A0635: P. Willems, G. Claeskens

[Post-selection inference for partially linear high-dimensional single-index models](#)

A0631: T. Zhang, G. Varoquaux, J.-B. Poline, C. Greenwood

[Challenges in assessing lack of fit for non-parametric quantile models](#)

**Parallel session I:
COMPSTAT2022**

**Thursday
25.8.2022**

**09:00 -
11:00**

Session CV194

Room: Virtual Room R1

Time series (virtual)

Thursday 25.8.2022 09:00 - 11:00

Chair: Francesco Violante

Organizer: COMPSTAT

A0416: H. Maeng, H. Cho, I. Eckley, P. Fearnhead

[High-dimensional time series segmentation via factor-adjusted vector autoregressive modelling](#)

A0609: Y. Zhang, Z. Liu, S. Wang

[Testing for the Sharpe ratio under a family of GARCH models](#)

A0630: A. Ghalayini, M. Izzeldin, M. Tsionas

[SHARP: A state-space HAR model with particle GIBBS sampling](#)

A0264: G. Melard

[On time-dependent cointegration with an application](#)

A0378: E. Iglesias

[Asymptotic inference for a sign-double autoregressive \(SDAR\) model](#)

Session CO067

Room: Aula B

Recent development in the network data analysis (virtual)

Thursday 25.8.2022 09:00 - 11:00

Chair: Frederick Kin Hing Phoa

Organizer: Frederick Kin Hing Phoa

A0301: H. Jung[Eliminating the biases of user influence and item popularity in bipartite networks](#)**A0327: M. Ashouri, S. Sahami, F.K.H. Phoa**

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[Measuring uniqueness and diversity from a network perspective](#)**Generate schedule with selected sessions** v. Huang[Designing experiments for general network structures](#) **Session CO129****Room: Aula E****Pioneering new frontiers in distribution and modeling**

Thursday 25.8.2022 09:00 - 11:00

Chair: Mohammad Arashi

Organizer: Mohammad Arashi

A0212: A. Bekker, M. Arashi[Dirichlet distribution the superhero leading to robust innovations](#)**A0284: L. Bagnato, A. Punzo**[A new family of multivariate centrally symmetric distributions](#)**A0566: J. Ferreira, T. Botha, A. Bekker**[Practical aspects of shape mixture constructions emanating from a Dirichlet setup](#)**A0209: S.M. Salehi, A. Bekker, M. Arashi**[A semi-parametric density estimation](#)**A0303: O. Arslan, F.Z. Dogru**[Robust modeling of multivariate heterogeneous datasets using a tractable multivariate skew heavy-tailed distribution](#)**A0376: S. Kato, T. Yoshida, S. Eguchi**[A copula-based measure of asymmetry between the lower and upper tail probabilities of bivariate distributions](#) **Session CO168****Room: Aula G****Tutorial II**

Thursday 25.8.2022 09:00 - 11:00

Chair: Fabrizio Durante

Organizer: COMPSTAT

A0613: F. Durante[Tail dependence with copulas](#) **Session CC150****Room: Aula C****Clustering and classification**

Thursday 25.8.2022 09:00 - 11:00

Chair: Marta Nai Ruscone

Organizer: COMPSTAT

A0461: S. Bougeard, X. Bry, T. Verron, N. Niang[Combined-information criterion for clusterwise elastic-net regression: Application to omic data](#)**A0619: O. Nicolis**[Spatio-temporal clustering and classifying of seismic events in Chile](#)**A0621: D. Han, T. Choi**[Bayesian high-dimensional seemingly unrelated regression model with global-local shrinkage](#)**A0643: S. Emerson, L. Aslett**[Joint cohort and predictive modelling](#)**A0580: Z. Taushanov**[A latent Markov model approach for flexible clustering of longitudinal data](#) **Session CC154****Room: Aula D****Computational and financial econometrics I**

Thursday 25.8.2022 09:00 - 11:00

Chair: Thomas Yee

Organizer: COMPSTAT

A0239: K. Abduraimova[Good contagion: What do networks say about policy transmission](#)**A0602: D. Xia, S. Zhu**[Inflation forecasts disagreement and monetary policy effectiveness](#)**A0431: H. Raubenheimer, G. Breed, T. Verster**

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Generate schedule with selected sessions [selection](#) **Session CC203****Room: Aula F****Statistics and data science**

Thursday 25.8.2022 09:00 - 11:00

Chair: Frank Miller

Organizer: COMPSTAT

A0581: A. Mijanovic[Distribution of a linear combination of generalized logistic random variables with application to financial returns](#)**A0593: R. Thompson, C. Forbes, S. MacEachern, M. Peruggia**[Familial inference](#)**A0510: G. Saporta**[On some issues related to the fairness of algorithms](#)**A0271: E. Siviero, E. Chautru, S. Clemencon**[A statistical learning view of simple kriging](#)**A0677: M. Koopmans**[Fractals in time series data: The methodological case for fractional differencing and power spectral density approaches](#) **Session CC216****Room: Aula H****Functional data analysis**

Thursday 25.8.2022 09:00 - 11:00

Chair: Dominik Liebl

Organizer: COMPSTAT

A0424: Z. Smida[A Wilcoxon-Mann-Whitney spatial scan statistic for functional data](#)**A0476: Z. Hlavka, P. Coupek, V. Dolnik, D. Hlubinka**[Functional goodness-of-fit tests](#)**A0637: J. Lee, T. Choi**[Bayesian functional mixed effects model with shape constrained and hierarchical structured gaussian processes](#)**A0498: E. Fiserova, V. Rimalova, A. Menafoglio, A. Pini**[Permutation tests for testing hypotheses in spatial regression model with functional response](#)**A0520: T.K.H. Nguyen, M. Chiogna, D. Risso, E. Banzato**[Guided structure learning of DAGs for count data](#) **Session CC214****Room: Aula I****Robust methods II**

Thursday 25.8.2022 09:00 - 11:00

Chair: Christophe Croux

Organizer: COMPSTAT

A0500: A. Posekany[Robustness and outlier detection of Bayesian model residuals with mixtures of normal, heavy-tailed and skewed components](#)**A0538: A. Toma, A. Keziou, L. Badin, S. Dedu**[Robust Pitman type estimators for moment condition models](#)**A0640: M. Stapper**[Accounting for asymmetry in M-estimation: A Julia package](#)**A0258: J. Ponnet, P. Segaeert, S. Van Aelst, T. Verdonck**

[The penalized robust double exponential estimators](#) Session CC221**Room: Aula Q****Dimension reduction**

Thursday 25.8.2022 09:00 - 11:00

Chair: Matteo Farne

Organizer: COMPSTAT

A0300: I. Gibaud, X. Bry, C. Trottier

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Generate schedule with selected sessions [nsional data sets: An empirical study.](#)

A0370: F. Ciuch, A. Panagiotelis, R. Hyndman

[Anomaly detection with kernel density estimation on manifolds](#)

A0403: S. Kang, H.-S. Oh

[Probabilistic principal curves on Riemannian manifolds](#)

**Parallel session K:
COMPSTAT2022**

Thursday
25.8.2022

14:15 -
15:45

 Session CV226**Room: Aula G****Clustering and classification II (virtual)**

Thursday 25.8.2022 14:15 - 15:45

Chair: Marco Bee

Organizer: COMPSTAT

A0322: M. Martinez de los Santos, E. Morales-Garcia, C.O. Sosa Jimenez, M. Carmona Garcia

[\\$k\\$-means cluster analysis: A study on cervical cancer mortality in Veracruz, Mexico](#)

A0642: A. Giampino, R. Ascari, S. Migliorati

[LEFDA: An extension of the classical LDA](#)

A0668: J.-C. Lamirel, C. Hardouin

[Using neural clustering in spatial and non spatial models](#)

A0446: G. Perrone, G. Soffritti

[Parsimonious seemingly unrelated linear cluster-weighted models for contaminated data](#) Session CI005 (Special Invited Session)**Room: Aula F****Robust statistics**

Thursday 25.8.2022 14:15 - 15:45

Chair: Peter Filzmoser

Organizer: Peter Filzmoser

A0275: I. Wilms, G. Louvet, J. Raymaekers, G. Van Bever

[The influence function of graphical lasso estimators](#)

A0361: M. Salibian-Barrera, X. Ju

[Scalable robust estimators for non-parametric regression models](#)

A0608: C. Croux, I. Wilms, L. Bottmer

[Sparse regression for large data sets with outliers](#) Session CO047**Room: Aula B****Statistical methods for statistically challenging data (virtual)**

Thursday 25.8.2022 14:15 - 15:45

Chair: Anuradha Roy

Organizer: Anuradha Roy

A0156: C. Drago

[From the analysis of the composite indicators to the analysis of the symbolic composite indicators](#)

A0279: S. Simpson, M. Bahrami, C. Tomlinson, P. Laurienti

[Analytical tools for whole-brain networks: Fusing statistics and network science to understand brain function](#)

A0293: W.-L. Wang

[Bayesian analysis of multivariate linear mixed models with censored and missing responses](#)

A0324: T.-I. Lin

[Model-based clustering via mixtures of unrestricted skew normal factor analyzers with missing values](#)

 Session CO043
Room: Aula D**Association, dependence and copulas****Thursday 25.8.2022 14:15 - 15:45**

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 Generate schedule with selected sessions [kernel perspective](#)
A0521: C. Tamborrino

[Statistical copulas approach for dependence in remote sensing problems](#)

A0441: T. Kasper, L. Koenig, M. Gruber, T. Soboll, W. Trutschnig

[Using feature selection based on multivariate statistical dependence for churn prediction in the automotive industry](#)

 Session CO101
Room: Aula E**Econometrics methods for high dimensional data analysis****Thursday 25.8.2022 14:15 - 15:45***Chair: Alessandra Amendola**Organizer: Alessandra Amendola***A0158: M. Caporin, D. Erdemlioglu, S. Nasini**

[Estimating financial networks by realized interdependencies: A restricted vector autoregressive approach](#)

A0346: M.L. Parrella, F. Giordano, M. Niglio

[Model structure identification in spatial econometrics](#)

A0375: G. Motta, C. Baden

[Evolutionary correspondence analysis of the semantic dynamics of frames](#)

A0367: L. Garcia-Jorcano, M. Caporin, J.-A. Jimenez-Martin

[Monitoring financial stress spillovers with high-frequency principal components](#)

 Session CO053
Room: Aula H**Non-proportional hazards in survival data****Thursday 25.8.2022 14:15 - 15:45***Chair: Francesca Gasperoni**Organizer: Francesca Gasperoni***A0272: K. Moellenhoff, A. Tresch**

[Survival analysis under non-proportional hazards: Investigating non-inferiority or equivalence in time-to-event data](#)

A0360: F. Ambrogi, S. Iacobelli, P.K. Andersen

[The differences of restricted mean survival time curves estimated using pseudo-values](#)

A0413: M. Ditzhaus, D. Dobler, A. Janssen, M. Pauly

[GFDsurv: A flexible toolbox to analyse nonproportional hazards in factorial survival designs](#)

A0586: J. Jimenez, D. Magirr

[Stratified weighted log-rank tests in settings with anticipated delayed effects](#)

 Session CO178
Room: Aula Q**Computational statistics from the lens of young researchers I****Thursday 25.8.2022 14:15 - 15:45***Chair: Marta Disegna**Organizer: Riccardo Ceccato, Marta Disegna***A0493: A. Gatto, F. Durante, F. Ravazzolo**

[Dependence analysis of aggregate zonal imbalance in the Italian electricity market](#)

A0341: N. Biasetton, R. Arboretti, E. Barzizza, R. Ceccato, M. Disegna, L. Pegoraro, L. Salmaso

[Machine learning-based sentiment analysis with fuzzy data to predict online customer satisfaction](#)

A0349: T. Le

[A novel application of spatial statistics in clustering the world's diets](#)

A0423: D. Morales Navarrete, L.M. Castro, M. Bevilacqua, C. Caamano Carrillo
[On modelling and estimating geo-referenced count spatial data with excessive zeros](#)

Session CC156

Room: Aula C

High-dimensional statistics I

Thursday 25.8.2022 14:15 - 15:45

Chair: Frank van der Meulen

Organizer: COMPSTAT

24th International Conference on COMPUTATIONAL STATISTICS (COMPSTAT 2022)

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Generate schedule with selected sessions

[Debiased inference on heterogeneous quantile treatment effects with regression rank-scores](#)

A0624: L. Wang, L. Xue

[Instrumental variable method in regularized regression with predictor measurement error](#)

Session CC233

Room: Aula I

Computational statistics and applications

Thursday 25.8.2022 14:15 - 15:45

Chair: Roberto Di Mari

Organizer: COMPSTAT

A0687: R. Graziani, A. Compagni

[Time sensitive topic-based communities: The case of the vaccination debate in Italy](#)

A0689: A. Eslami, L.F. Toogood, H. Abdi

[Assessing similarity among groups and global components in a dual STATIS multiple correspondence analysis](#)

A0686: T. Danielius, A. Rackauskas

[Multiple change point detection in functional sample via G-sum process](#)

A0697: M.F. Teodoro

[Modeling pediatric hypertension occurrence: A case study](#)

Session CP205

Room: Virtual Posters Room II

Poster session II

Thursday 25.8.2022 14:15 - 15:45

Chair: Cristian Gatu

Organizer: COMPSTAT

A0321: Y. Ma, A. Ushakova, K. Cain, H. Gamble, J. Zoski

[Analyzing big data on early literacy acquisition based on student interactions with digital reading supplement](#)

A0526: A. Monleon-Getino, R.S. Borja-Robalino, K. Gibert, G. Robalino-Izurieta, B. Borja-Robalino, J. Buelvas-Muza, R. Lopez-Torres, C. Serrano-Munuera

[Automatic predictor of diabetes mellitus, type i and gestational, using machine learning techniques](#)

A0540: H. Heinzl, H. Chadha-Boreham, M. Mittlboeck

[How to measure relatedness between datasets during external validation of a multivariable prediction model](#)

A0553: E. Sabbioni, G. Mastrantonio, E. Bibbona, G. Sanguinetti

[Bayesian approach for modelling rna transcription](#)

A0560: M. Maumy, F. Bertrand

[Using correlated resampling to improve variable selection for linear and generalized linear models](#)

A0562: F. Bertrand, M. Maumy

[Bootstrap-based hyper parameter tuning for sparse partial least squares regular or generalized regressions](#)

A0579: H.C. Yip, G. Mastrantonio, E. Bibbona, M. Gamba, D. Valente

[A nearest neighbours Gaussian Process model for time-frequency data: An application in bio-acoustic analysis](#)

A0662: G. Perdona, R. Biagioni Fazio, C. Michael Mitschka

[Supervised and ANN classification to physical activities performed by pregnant women recorded via accelerometer data](#)

A0702: K. Romano, S. Chen, B. Finkenstadt, F. Levi

[Advanced HMMs for physiological time series](#)

**Parallel session L:
COMPSTAT2022**

Thursday
25.8.2022

16:15 -
17:45

24th International Conference on COMPUTATIONAL STATISTICS (COMPSTAT 2022)

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Generate schedule with selected sessions

A0512: L. Liu, S. Pal, Z. Harchaoui

[Large-scale entropy regularized optimal transport independence criterion](#)

A0571: M. Nguyen

[Actual events vs. perceived reporting: Modeling firm performance under environmental uncertainty using machine learning](#)

Session CI107 (Special Invited Session)

Room: Aula F

Causality and distributional robustness (virtual)

Thursday 25.8.2022 16:15 - 17:45

Chair: Armeen Taeb

Organizer: Peter Buehlmann

A0288: D. Rothenhaeusler, Y. Jeong

[Calibrated inference: Statistical inference that accounts for both sampling uncertainty and distributional uncertainty](#)

A0427: N. Pfister, J. Peters, L. Henckel, S. Saengkyongam, R. Christiansen, S. Engelke, M. Jakobsen, N. Gnecco

[Distribution generalization with instrumental variables](#)

A0535: A. Taeb

[Causal structure learning with unknown interventions](#)

Session CO027

Room: Aula C

Survey sampling

Thursday 25.8.2022 16:15 - 17:45

Chair: Yves Tille

Organizer: Alina Matei

A0329: M.M. Dickson, Y. Tille, G. Espa, F. Santi, D. Giuliani

[A multi-spreading algorithm to account for spatial and strata heterogeneity](#)

A0516: F. Pantalone, R. Benedetti, F. Piersimoni

[Spbsampling: An R package for spatially balanced sampling](#)

A0651: C. Hasler, E. Eustache

[Model-assisted estimators in surveys with nonresponse](#)

A0393: Y. Tille

[Solutions inspired by survey sampling theory to build effective clinical trials](#)

Session CO025

Room: Aula D

New insights in robust methods of inference

Thursday 25.8.2022 16:15 - 17:45

Chair: Laura Ventura

Organizer: Laura Ventura

A0366: V. Marni, M. Musio, E. Ruli, L. Ventura

[Composite Tsallis score: A tool for robust inference](#)

A0450: C. Agostinelli, G. Saraceno

[Filters based on statistical data depths for robust multivariate inference](#)

A0455: M.-P. Victoria-Feser, Y. Zhang

[Resistant inference for complex and large models](#)

A0458: P. Grunwald

[E is the new P: Optional continuation and evidence](#)

Session CO119

Room: Aula E

Advances in k-means and clustering ensemble methods

Thursday 25.8.2022 16:15 - 17:45

Chair: Roberta Pappada

Organizer: Roberta Pappada

A0353: A. Casa, L. Scrucca, G. Menardi

[Model ensemble in density-based clustering](#)

A0474: L. Egidi, R. Pappada, F. Pauli, N. Torelli

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[k-means algorithm with positive and negative equivalence constraints](#)**Generate schedule with selected sessions****Room: Aula G****Heavy-tailed distributions for financial modeling**

Thursday 25.8.2022 16:15 - 17:45

Chair: Marco Bee

Organizer: Marco Bee

A0250: J. Hambuckers, M. Kratz, A. Usseglio-Carleve

[Automatic threshold selection for extreme value regression models](#)

A0259: L. Trapin, D. Dupuis, S. Engelke

[Modeling panels of extremes](#)

A0313: D. Dupuis, L. Trapin

[Robust score-driven filters and smoothers](#)

A0347: G. Vacca, M.G. Zoia, L. Bagnato

[Forecasting in GARCH models with polynomially modified innovations](#) Session CO136**Room: Aula I****Recent developments in high-dimensional statistics**

Thursday 25.8.2022 16:15 - 17:45

Chair: Shubhadeep Chakraborty

Organizer: Shubhadeep Chakraborty

A0339: R. Ceccato, R. Arboretti, E. Barzizza, N. Biasetton, M. Disegna, L. Pegoraro, L. Salmaso

[A multivariate permutation test for the analysis of paired samples: the mixed data scenario](#)

A0486: S. Chakraborty

[Nonparametric sequential change-point detection in high dimensions](#)

A0362: D. Nandy, D. Ghosh, K. Kechris

[DisCo P-ad: Distance Correlation-based P-value Adjustment boosts multiple-testing corrections in metabolomics analyses](#)

A0267: Y. Chen, D. Witten

[Selective inference for k-means clustering](#) Session CO055**Room: Aula Q****Biostatistics and biocomputing**

Thursday 25.8.2022 16:15 - 17:45

Chair: Yisheng Li

Organizer: Yisheng Li

A0438: C.-H. Hsu, Y. He, C. Hu, W. Zhou

[A multiple imputation-based sensitivity analysis approach for regression analysis with a MNAR covariate](#)

A0616: Y. Li

[A uniform shrinkage prior in spatio-temporal Poisson models for count data](#)

A0644: S. Zhou

[Posterior predictive design for phase I clinical trials](#)

A0665: M. Guindani

[Bayesian nonparametric analysis for the detection of spikes in noisy calcium imaging data](#) Session CC135**Room: Aula H****Multivariate data analysis I**

Thursday 25.8.2022 16:15 - 17:45

Chair: Friedrich Leisch

Organizer: COMPSTAT

A0546: S. Bonnini, M. Borghesi

[A combined permutation test for comparing marginal probabilities of multivariate binary variables](#)

A0395: J. Kalina[Testing exchangeability of multivariate distributions](#)**A0568: A. Francisco, P. Monteiro, G. Ribeiro, A.S. Teixeira**[On edge significance in large phylogenetic \(spanning\) trees](#)**A0569: C. Vaz, A. Francisco**

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Generate schedule with selected sessions

 Session CV190
Room: Aula H**Computational and financial econometrics III**

Friday 26.8.2022 09:00 - 10:30

Chair: Alessandra Amendola

Organizer: COMPSTAT

A0648: J.-B. Hasse, B. Candelon[The effect of climate policies on carbon emissions reduction](#)**A0241: B. Li, Z. Liu, S. Wang, Y. Zhang**[Asset Pricing Model with Functional Principal Component Analysis](#)**A0266: I. Chronopoulos, L. Giraitis, G. Kapetanios**[Choosing between persistent and stationary volatility](#)**A0612: J. Vega Baquero, M. Santolino**[Capital flows in integrated capital markets: The MILA case](#)
 Session CV227
Room: Aula I**Regression models**

Friday 26.8.2022 09:00 - 10:30

Chair: Peter Grunwald

Organizer: COMPSTAT

A0633: J. Xu, T. Zou, A. Wood, J. Scealy[Generalized score matching for regression](#)**A0622: K. Wada, T. Kurosawa**[An approximation of the corrected naive estimator for a Poisson regression model with a measurement error](#)**A0532: S. Renzetti, C. Gennings, S. Calza**[A weighted quantile sum regression with penalized weights and two indices](#)**A0407: S. Chandrasena, R. Liu**[Divide and conquer approaches for nonparametric regression and variable selection](#)
 Session CO037
Room: Aula C**Clustering methods and copula function**

Friday 26.8.2022 09:00 - 10:30

Chair: F Marta L Di Lascio

Organizer: F Marta L Di Lascio

A0508: R. Pappada, F. Durante, S. Fuchs[Copula-based clustering of dependent variables with application to flood risks](#)**A0392: M. Nai Ruscone, A. Dambrosio, D. Fernandez**[Copula-based non-metric unfolding](#)**A0218: G. Malsiner-Walli, S. Fruhwirth-Schnatter, B. Gruen**[Mixtures with a prior on the number of components and the telescoping sampler](#)**A0425: F. Condino, A. Irpino, R. Verde**[Clustering Italian regions on the basis of bivariate income and consumption distributions](#)
 Session CO148
Room: Aula D**Early career advice for statisticians in the computational sciences**

Friday 26.8.2022 09:00 - 10:30

Chair: Thomas Yee

Organizer: Thomas Yee

A0295: U. Laa

[Different flavors of publishing computational work](#)

A0298: T. Yee

[Software development and statistical research: Some reflections](#)

A0315: L. Vana

[The role of communities of practice for career development in computational statistics](#)

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Friday 20.8.2022 09:00 - 10:30

Organizer: Mauro Bernardi

Generate schedule with selected sessions

A0464: N. Bianco, M. Bernardi

[Variational Bayes for dynamic sparsity in time varying parameter regression with many predictors](#)

A0481: C. Castiglione, M. Bernardi

[Bayesian non-conjugate regression via variational belief updating](#)

A0513: L. Maestrini, E. Degani, D. Toczydlowska, M.P. Wand

[Streamlined variational inference for sparse linear mixed model selection](#)

A0629: M. Cattelan, M. Bernardi, C. Busatto

[Fast Bayesian model selection algorithms for linear regression models](#)

Session CO051

Room: Aula G

**IASC-ARS session: Computations for categorical data
(virtual)**

Friday 26.8.2022 09:00 -
10:30

Chair: Yuichi Mori

Organizer: Yuichi Mori

A0292: R. Lombardo, E. Beh

[The Cressie-Read divergence statistic and correspondence analysis; a unifying approach with possible extensions](#)

A0369: J. Nakano, N. Shimizu, Y. Yamamoto

[A multiple correspondence analysis for aggregated symbolic data](#)

A0489: M. van de Velden, A. Iodice D Enza, A. Markos, C. Cavicchia

[A general framework for implementing distance measures for categorical variables](#)

A0544: C.-H. Chen, S.-A. Chen, C.-H. Kao, S.-H. Shieh, H.-M. Wu

[cGAPdb: A matrix visualization database for categorical data sets](#)

Session CO065

Room: Virtual Room R1

**Research metrics for institutional performance
evaluation (virtual)**

Friday 26.8.2022 09:00 - 10:30

Chair: Keisuke Honda

Organizer: Keisuke Honda, Frederick Kin
Hing Phoa

A0460: H. Hamada, K. Honda

[Development of visualizing system based on research networked data for open science age](#)

A0286: F.K.H. Phoa, H. Jung, M. Ashouri

[A leading author model for the popularity effect on scientific collaboration](#)

A0355: Y. Mizukami, J. Nakano

[Assessing the research strength of organizations focusing on intrapersonal diversity in applied research of AI](#)

A0705: N. Zakiyeva, Y. Chen, T. Koch, K. Liu, Z. Xu, C.-H. Chen, J. Nakano, K. Honda

[Article's Scientific Prestige: measuring the impact of individual articles in the Web of Science](#)

Session CC231

Room: Aula B

Time series and financial econometrics

Friday 26.8.2022 09:00 - 10:30

Chair: Massimiliano Caporin

Organizer: COMPSTAT

A0692: A. Marcocchia, S. Arima, P. Brutti

[A convolutional approach to forecast reconciliation](#)

A0694: J. Kukacka, L. Kristoufek

[Fundamental and speculative components of the cryptocurrency pricing dynamics](#)

A0683: P. Chen

[Instability in SETAR models](#)

A0700: M. Takahashi, Y. Omori, T. Watanabe, Y. Yamauchi

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Generate schedule with selected sessions

[Transformation and covariance estimation for the non-linearly separable misclassification problem](#)

A0387: C. Muehlmann, S. De Iaco, K. Nordhausen

[Blind source separation for multivariate stationary space-time data](#)

A0333: J. Bauer

[Sparse principal loading analysis](#)

A0463: C. Rieser

[Connecting compositional data to graph signal processing](#)

Session CC210

Room: Aula Q

Graphical models and networks

Friday 26.8.2022 09:00 - 10:30

Chair: Mohammad Arashi

Organizer: COMPSTAT

A0529: E. Nezakati Rezazadeh, E. Pircalabelu

[Estimation and inference for covariate-adjusted Gaussian graphical models via an unbalanced distributed setting](#)

A0627: A. Freni Sterrantino, D. rustand, H. Rue

[A catalogue of graph-based multivariate conditional autoregressive model](#)

A0246: M. Signorelli

[Analysing populations of networks with mixtures of generalized linear mixed models](#)

A0523: M. Gregorich

[Flexible parametrization of graph-theoretical features from individual-specific networks for prediction](#)

**Parallel session N:
COMPSTAT2022**

Friday
26.8.2022

11:00 -
12:00

Session CV199

Room: Aula C

Multivariate data analysis (virtual)

Friday 26.8.2022 11:00 - 12:00

Chair: Sonja Greven

Organizer: COMPSTAT

A0256: N. Yamashita

[Two-stage target rotation with computational efficiency by asymmetric least squares criterion](#)

A0565: J. Nienkemper-Swanepoel, N. Le Roux, S. Lubbe

[Sensitivity analysis of the choice of multiple imputation approach on categorical GPABin biplots](#)

A0550: T.-W. Wang, E. Beh

[Power transformation of reciprocal averaging](#)

Session CV202

Room: Aula G

Survival analysis (virtual)

Friday 26.8.2022 11:00 - 12:00

Chair: Martina Mittlboeck

Organizer: COMPSTAT

A0408: S. Agami

[Estimation in the Cox survival regression model with covariate measurement error and a changepoint](#)

A0410: Y. Nakagawa, T. Sozu

[Improvement of midpoint imputation for estimation of median survival time for interval-censored time-to-event data](#)

A0656: J. Goungounga, O. Boussari, V. Jooste

[Simulating survival data for cure models in overall or net survival framework](#)

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Generate schedule with selected sessions [analysis for high-dimension low-sample data](#)

[A hybrid cross entropy method for spatial clustering problems](#)

A0555: K. Takahashi, K. Yamamoto

[Confidence interval for recall and precision of multi-class classification](#)

Session CI099 (Special Invited Session)

Room: Aula F

Data visualization and model selection

Friday 26.8.2022 11:00 - 12:00

Chair: Christophe Croux

Organizer: Christophe Croux

A0673: C. Hurley

[Data and model visualisation for statistical learning problems](#)

A0645: A. Merida, A. Kalogeratos, M. Mougeot

[Data inspection via challenging decision boundaries' rigidity](#)

Session CO075

Room: Aula D

Computational statistics for applications

Friday 26.8.2022 11:00 - 12:00

Chair: Marta Disegna

Organizer: Marta Disegna

A0285: B. Gruen, H. Wagner, T. Petzoldt

[Estimating the susceptible component of a zone diameter distribution](#)

A0340: M. Disegna, R. Ceccato, R. Arboretti, E. Barzizza, N. Biasetton, L. Pegoraro, L. Salmaso

[A multivariate permutation test for the analysis of market research data](#)

A0527: L. Bocci, P. Durso, V. Vitale

[INDCLUS for spatial proximity data](#)

Session CO174

Room: Aula H

Geostatistics

Friday 26.8.2022 11:00 - 12:00

Chair: Pier Giovanni Bissiri

Organizer: Pier Giovanni Bissiri

A0326: C. Gaetan, P. Bortot

[A model for space-time threshold exceedances](#)

A0357: R. Furrer, M. Hediger

[Asymptotic properties of pseudo-ML estimators based on covariance approximations](#)

A0675: P.G. Bissiri, E. Porcu, F. Tangle, R. Soza, F. Quintana

[Positive definite functions on spheres: Some statistical and mathematical issues](#)

Session CO127

Room: Aula Q

**Mathematical and statistical methods for economics
and finance**

Friday 26.8.2022 11:00 - 12:00

Chair: Luca Vincenzo Ballestra

Organizer: Maria Letizia Guerra, Barbara Vantaggi

A0467: L.V. Ballestra, E. DInnocenzo, A. Guizzardi

[Pricing options using a score-driven model with jumps](#)

A0672: B. Bertelli, C. Torricelli

[ESG dimensions in screening strategies: Impact on portfolio performance in periods of financial distress](#)

A0300: M. Kanno

[Exploring risk hidden in syndicated loan networks: Evidence from real estate investment trusts](#)

Session CC232

Room: Aula B

High-dimensional statistics and model assesment

Friday 26.8.2022 11:00 - 12:00

Chair: Germain Van Bever

Organizer: COMPSTAT

A0701: V. Zhou, K. Yuan

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Generate schedule with selected sessions [Divergence measures](#)

Session CC224

Room: Aula E

Longitudinal data

Friday 26.8.2022 11:00 - 12:00

Chair: Silvia Pandolfi

Organizer: COMPSTAT

A0257: Z. Oflaz

[Estimation of disease progression for ischemic heart disease using latent Markov with covariates](#)

A0457: P. Arsenteva, V. Paget, O. Guipaud, F. Milliat, H. Cardot, M.A. Benadjaoud

[Clustering with alignment and network inference to study the radiation response of endothelial cells](#)

A0559: M. Moazeni

[A personalized remote patient monitoring system using daily measurements of bodyweight, heart rate, and blood pressure](#)

**Slot H: Wednesday, 24 August 2022, 14:15 - 16:15****Schedule****CO029: Dependence models****Aula G**

Venue: Complesso Belmedoro, Level: 0, Capacity: 100
 Organizer: Fabrizio Durante
 Chair: Fabrizio Durante

Jonathan Ansari - A0177: General comparison result ...
 Bouchra Nasri - A0296: Non-central squared copulas ...
 Sandor Guzmics - A0639: Extreme value copulas base ...
 Lorenzo Frattarolo - A0617: Living on the edge: A ...
 Bozidar Popovic - A0504: One integral transform of ...

CO049: Optimal experimental design and applications**Aula H**

Venue: Complesso Belmedoro, Level: 1, Capacity: 50
 Organizer: Frank Miller, Ellinor Fackle-Fornius
 Chair: Ellinor Fackle-Fornius

Werner Mueller - A0187: A design criterion for sym ...
 Kirsten Schorning - A0291: Optimal designs for com ...
 Lenka Filova - A0373: Computing optimal designs of ...
 Frank Miller - A0495: Optimal pretesting of questi ...
 Renata Eirini Tsirpitz - A0511: Optimal dose-find ...

CC211: Mixture models**Aula I**

Venue: Complesso Belmedoro, Level: 1, Capacity: 50
 Organizer: COMPSTAT
 Chair: Christian Hennig

Tanita Botha - A0276: Structured Dirichlet mixture ...
 Sollie Millard - A0389: Component and feature sele ...
 Adrien Hairault - A0595: Evidence estimation in fi ...
 Andrea Sottosanti - A0655: Identification of high- ...
 Trijya Singh - A0432: Estimation of parameters of ...

CC155: Semi- and nonparametric methods**Aula Q**

Venue: Complesso Belmedoro, Level: 1, Capacity: 50
 Organizer: COMPSTAT
 Chair: Stefan Sperlich

Marina Khismatullina - A0331: Nonparametric compar ...
 Stephane Girard - A0442: A refined Weissman estima ...
 Maarten Jansen - A0491: Multiscale splines and loc ...
 Pieter Willems - A0635: Post-selection inference f ...
 Ting Zhang - A0631: Challenges in assessing lack o ...

CO140: Computational statistics: Theory and applications**Aula C**

Venue: Complesso Belmedoro, Level: 1, Capacity: 100
 Organizer: Alba Martinez-Ruiz
 Chair: Alba Martinez-Ruiz

Luciana Pagliosa Carvalho Guedes - A0308: Sampling ...
 Ruben Carvajal-Schiaffino - A0404: A distributed a ...
 Alba Martinez-Ruiz - A0307: Incremental SVD for so ...
 Jonathan Acosta - A0400: Assessing the estimation ...
 Alfonso Iodice D Enza - A0402: Regularised PCA for ...

CC161: Statistical modelling**Aula D**

Venue: Complesso Belmedoro, Level: 1, Capacity: 100
 Organizer: COMPSTAT
 Chair: Shubhadeep Chakraborty

Matus Maciak - A0195: Quantile LASSO with change-p ...
 Ruoyu Miao - A0306: A general joint latent class m ...
 Gabriel Martos - A0433: Uncovering regions of maxi ...
 Audun Josang - A0674: Prior weights of Dirichlet P ...
 Kevin Huynh - A0281: Weighted average least square ...

CV195: Algorithms and computational methods (virtual)**Aula B**

Venue: Complesso Belmedoro, Level: 1, Capacity: 412
 Organizer: COMPSTAT
 Chair: Paolo Giordani

Romain Azais - A0487: Enumeration of substructures ...
 Paula C R Vicente - A0583: Evaluating the effect o ...
 Miguel Casquilho - A0240: Mean of exponential dist ...
 Marzia Cremona - A0311: smoothEM: A new approach f ...
 Kin Wai Chan - A0294: On variance estimation in on ...

CO183: Stochastic models for dynamical systems: Methods and computations**Aula E**

Venue: Complesso Belmedoro, Level: 2, Capacity: 100

Sumit Kumar Yadav - A0251: Coalescence in branchin ...
 Jie Yen Fan - A0364: From multi-type age structure ...

Organizer: Manuel Molina
Chair: Manuel Molina

Maroussia Slavtchova-Bojkova - A0368: Subcritical ...
Elena Yarovaya - A0317: Fundamental problems arisi ...
Manuel Molina - A0217: Stochastic modeling in dyna ...

CC207: Spatial statistics

Aula F
Venue: Complesso Belmedoro, Level: 2, Capacity: 100
Organizer: COMPSTAT
Chair: Pier Giovanni Bissiri

Stephen Jun Villejo - A0248: Data fusion in a two- ...
Michele Peruzzi - A0524: Spatial meshing and manif ...
Aritra Halder - A0601: Bayesian variable selection ...
Arron Gosnell - A0660: A conditional Gaussian proc ...
Fabio Sigrist - A0574: Latent Gaussian model boost ...