

IFCS 2024 Accepted Contributions - Preliminary Program

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Author's Name	Paper or Abstract Title	University	Country	Preliminary Schedule
Adhikari, Sourav	Combining Topic Modeling and Word Embedding to Predict Match Outcomes in Association Football	University of Vienna	Austria	Thursday 18, 16:40-17:00, Room 1, session: Data Mining
Aguilera, Ana M	Classification of neuroscientific data under the probabilistic principles of near-perfect classification	Universidad de Granada	Spain	Thursday 18, 09:10-09:30, Room 3, session: Functional Data Analysis
Anderlucci Laura	Randomly perturbed random forests	University of Bologna	Italy	Tuesday 16, 14:50-15:10, Room 1, session: Clustering, Classification and Discrimination 3
Anton Cristina Adela	A multivariate functional data clustering method using parsimonious cluster weighted models	MacEwan Univeristy	Canada	Thursday 18, 09:10-09:30, Room 1, session: Model- Based Clustering 1
Arce, Jorge	Principal Components Analysis of Histogram-valued Data: Set Theory Approach	Universidad Nacional de Costa Rica	Costa Rica	Tuesday 16, 10:10-10:30, Room 2, session: Symbolic Data Analysis 2
Arroyo-Castro Jose Pablo:	Unsupervised Detection of Anomaly in Public Procurement Processes		Costa Rica	Pending
Asse Amiga, José	Pattern Recognition for Mexican Household Power Demand Time Series	Universidad Iberoamericana	Mexico	Monday 15, 16:40-16:40, Room 2, session: Time Series Analysis and Pattern Recognition
Bakk, Zsuzsa	Unravelling the Skill Sets of Data Scientists: A Text Mining Analysis of Dutch University Master Programs in Data Science and Artificial Intelligence	Leiden University	Netherlands	Wednesday 17, 14:40-15:00, Room 2, session: Data Science
Balzanella, Antonio	A Robust approach of the Clusterwise Regression method for distributional data	University of Campania "Luigi Vanvitelli"	Italy	Tuesday 16, 10:30-10:50, Room 2, session: Symbolic Data Analysis 2
Banks, David	Statistics in the Knowledge Economy	Duke University	United States	Monday 15, 16:40-17:00, Room 1, session: Advances in supervised classification
Batagelj, Vladimir	Network analysis approach to the analysis of event sequences	University of Ljubljana	Slovenia	Pending
Beaudry, Éric	Towards Topologically Diverse Probabilistic Planning Benchmarks: Synthetic Domain Generation for Markov Decision Processes	Université du Québec à Montréal	Canada	Thursday 18, 09:50-10:10, Room 3, session: Machine Learning
Billard, Lynne	Distributional-based Partitioning with Copulas	University of Georgia	United States	Tuesday 16, 08:30-08:50, Room 2, session: Symbolic Data Analysis 1
Boj, Eva	Robust distance-based generalized linear models: A new tool for classification	Universitat de Barcelona	Spain	Tuesday 16, 17:00-17:20, Room 1, session: Classification Methods for Large Datasets
Bomze, Immanuel M	Scalable conic optimization for feature selection in linear SVMs with cardinality control	University of Vienna	Austria	Monday 15, 17:00-17:20, Room 1, session: Advances in supervised classification
Borrata, Gianmarco	A Robust approach of the Clusterwise Regression method for distributional data	University of Naples Federico II	Italy	Tuesday 16, 10:30-10:50, Room 2, session: Symbolic Data Analysis 2

	Candidates, Parties, Issues and the	<u> </u>		
Bouranta, Vasiliki	Political Marketing Strategies: A Comparative Analysis on political competition in Greece	Aristototle University of Thessaloniki	Greece	Wednesday 17, 08:50-09:10, Room 2, session: Data Science
Brito, Paula	Quality Measures for Clusterwise Regression	University of Porto	Portugal	Tuesday 16, 14:30-14:50, Room 2, session: Symbolic Data Analysis 3
Buendía, Débora	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)	Universidad de Valparaíso	Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Cariou, Véronique	Two clustering strategies for structural composite models with PLS-SEM	StatSC unit ONIRIS VetAgroBio Nantes	France	Tuesday 16, 14:30-14:50, Room 1, session: Clustering, Classification and Discrimination 3
Cavicchia, Carlo	Nearest neighbors for mixed type data: an inter-dependency based approach	Erasmus University Rotterdam	Netherlands	Monday 15, 16:40-17:00, Room 3, session: Multidimensional data visualization or Image Analysis and Computer Vision
Cervantes Artavia, Joshua Isaac	Predicting Air Pollution in Beijing, China Using Chemical, and Climate Variables	Universidad de Costa Rica	Costa Rica	Monday 15, 16:20-16:40, Room 2, session: Time Series Analysis and Pattern Recognition
Chadjipadelis, Theodore	Candidates, Parties, Issues and the Political Marketing Strategies: A Comparative Analysis on political competition in Greece	Aristotle University of Thessaloniki	Greece	Wednesday 17, 08:50-09:10, Room 2, session: Data Science
Chadjipadelis, Theodore	Mapping Electoral Behavior and Political Competition: A Comparative Analytical Framework for Voter Typologies and Political Discourses	Aristotle University of Thessaloniki	Greece	Wednesday 17, 08:30-08:50, Room 2, session: Data Science
Champagne Gareau, Jaël	Towards Topologically Diverse Probabilistic Planning Benchmarks: Synthetic Domain Generation for Markov Decision Processes	Université du Québec à Montréal	Canada	Thursday 18, 09:50-10:10, Room 3, session: Machine Learning
Chaparala Pushya	Symbolic Data Analysis Framework for Recommendation Systems: SDA-RecSys	Vignan's Foundation for Science, Technology & Research	India	Tuesday 16, 09:10-09:10, Room 2, session: Symbolic Data Analysis 1
Colak, Caner	Green bond yield determination with the use of machine learning methods. Comparison with conventional bonds	Wroclaw University of Economics and Business	Poland	Pending
Collao, Ximena	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)	Universidad de Valparaíso	Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Corrales Barquero, Ricardo	Gender Bias Mitigation in a Credit Scoring Model	Universidad de Costa Rica	Costa Rica	Wednesday 17, 09:10-09:30, Room 2, session: Data Science
Costa, Efthymios	A Deterministic Information Bottleneck Method for Clustering Mixed-Type Data	Imperial College London	United Kingdom	Tuesday 16, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 1
Cuevas Covarrubias, Carlos	Crime in Mexico: an original Data Analysisapproach	Universidad Anáhuac	Mexico	Wednesday 17, 14:00-14:20, Room 2, session: Data Science

D' Enza, Alfonso Iodice	Nearest neighbors for mixed type data: an inter-dependency based approach	University of Naples Federico II	Italy	Monday 15, 16:40-17:00, Room 3, session: Multidimensional data visualization or Image Analysis and Computer Vision
D' Onofrio, Federico	Scalable conic optimization for feature selection in linear SVMs with cardinality control	Sapienza Univ. di Roma	Italy	Monday 15, 17:00-17:20, Room 1, session: Advances in supervised classification
Dang, Utkarsh	Gaussian mixture models for changepoint detection	Carleton University	Canada	Pending
De Carvalho, Francisco de A. T.	A Robust approach of the Clusterwise Regression method for distributional data	University of Pernambuco - CIN	Brazil	Tuesday 16, 10:30-10:50, Room 2, session: Symbolic Data Analysis 2
De Rooij, Mark	Reduced Rank Regression with Mixed Predictors and Mixed Responses	Leiden University	Netherlands	Monday 15, 16:00-16:20, Room 3, session: Visualization
De Roover, Kim	Mixture Multigroup Structural Equation Modeling: Comparing Structural Relations Across Many Groups	KU Leuven	Belgium	Thursday 18, 08:30-08:50, Room 1, session: Model- Based Clustering 1
Emilion, Richard	Expected Size of Random Fuzzy Concep Lattices	Denis Poisson Institute University of Orleans	France	(Remote)
Falih, Issam	Multimodal Emotion Recognition: A comparative study	LIMOS, Clermont Auvergne University	France	Tuesday 16, 09:50-10:10, Room 1, session: Clustering, Classification and Discrimination 2
Ferligoj, Anuška	Network analysis approach to the analysis of event sequences	University of Ljubljana	Slovenia	Pending
France, Stephen L.	Visualization and Clustering with Projective Techniques	Mississippi State University	United States	Thursday 18, 16:20-16:40, Room 1, session: Data Mining
Franczak, Brian	Classifying multivariate observations in data sets with asymmetric features and outlying observations	MacEwan University	Canada	Thursday 18, 16:20-16:40, Room 2, session: Modeling Multivariate Data
Franses, Philip Hans	Spatio-temporal hierarchical clustering of interval time series with application to suicide rates in Europe	Erasmus University of Rotterdam	Netherlands	Tuesday 16, 09:50-10:10, Room 2, session: Symbolic Data Analysis 2
Ghazalli, Nadia	Machine Learning-Based Classification and Prediction to Assess Corrosion Degradation in Mining Pipelines	University of Quebec at Trois Rivieres	Canada	Monday 15, 18:00-18:20, Room 2, session: Optimization in Classification and Clustering
Goblet, Xavier	Multimodal Emotion Recognition: A comparative study	LIMOS, Clermont Auvergne University	France	Tuesday 16, 09:50-10:10, Room 1, session: Clustering, Classification and Discrimination 2
Gondech, Ayemn	Multimodal Emotion Recognition: A comparative study	LIMOS, Clermont Auvergne University	France	Tuesday 16, 09:50-10:10, Room 1, session: Clustering, Classification and Discrimination 2
González Barquero, Pilar	High-dimensional survival analysis: exploring Cox regression with lasso and adaptive lasso penalties	University Carlos III of Madrid	Spain	Tuesday 16, 17:20-17:40, Room 1, session: Classification Methods for Large Datasets
Górecki, Tomasz	Applying classification methods for multivariate functional data	Adam Mickiewicz University	Poland	Thursday 18, 08:30-08:50, Room 3, session: Functional Data Analysis

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Grané, Aurea	A new distance for categorical data with moderate association	Universidad Carlos III de Madrid	Spain	Wednesday 17, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 5
Grané, Aurea	Robust distance-based generalized linear models: A new tool for classification	Universidad Carlos III de Madrid	Spain	Tuesday 16, 17:00-17:20, Room 1, session: Classification Methods for Large Datasets
Guerra Urzola, Rosember Isidoro	Optimal penalized sparse PCA	Tilburg University	Netherlands	Monday 15, 17:40-17:40, Room 1, session: Dimension Reduction
Guerra, María Elizabeth	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)		Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Guerrero San Vicente, María Teresa	Crime in Mexico: an original Data Analysisapproach	Universidad Anáhuac	Mexico	Wednesday 17, 14:00-14:20, Room 2, session: Data Science 1
Guevara Villalobos, Álvaro	Improving Employee Attrition with Data Analysis and Machine Learning	Universidad de Costa Rica	Costa Rica	Thursday 18, 10:30-10:50, Room 3, session: Machine Learning
Guevara Villalobos, Álvaro	Innovating the banking with machine learning: Credit Score for MSMEs	Universidad de Costa Rica	Costa Rica	Thursday 18, 10:10-10:30, Room 2, session: Generative Artificial Intelligence, Explainable Artificial Intelligence (XAI)
Harrrison, Andrew	A Gene Selection Method for Classification with Three Classes Using Proportional Overlapping Scores	University of Essex	United Kingdom	Monday 15, 16:00-16:20, Room 1, session: Advances in supervised classification
Hernández, Alberto	UMAP projections and the survival of empty space: A geometric approach to high-dimensional data	Universidad de Costa Rica	Costa Rica	Monday 15, 17:40-18:00, Room 3, session: Big Data and High-Dimensional
Infante, Gabriele	A new distance for categorical data with moderate association	University of Milan	Italy	Wednesday 17, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 5
Kaczmarczyk, Klaudia	Green bond yield determination with the use of machine learning methods. Comparison with conventional bonds	Wroclaw University	Poland	Pending
Khismatulina, Marina	Multivariate clustering of nonparametric time trends	Erasmus University Rotterdam	Netherlands	Monday 15, 16:40-17:00, Room 2, session: Time Series Analysis and Pattern Recognition
Kral, Caitlin	Model-based bi-clustering using multivariate Poisson-lognormal with general block-diagonal covariance matrix and its applications Submitted to IFCS 2024 Book of Abstracts	Carleton University	Canada	Tuesday 16, 08:50-09:10, Room 1, session: Clustering, Classification and Discrimination 1
Krzyśko, Mirosław	Applying classification methods for multivariate functional data	University of Kalisz	Poland	Pending
Kuziak, Katarzyna Ewa	Green bond yield determination with the use of machine learning methods. Comparison with conventional bonds	Wroclaw University	Poland	Pending

Labiod, Lazhar	Fuzzy Clustering of Attributed Networks	Université Paris Cité	France	Wednesday 17, 14:40-15:00, Room 1, session: Clustering, Classification and Discrimination 6
Lausen, Berthold	PASTE-Boost: P-Value Adjusted Selected Tree Ensembles with Gradient Boosted Improvements	University of Essex	United Kingdom	Tuesday 16, 10:10-10:30, Room 1, session: Clustering, Classification and Discrimination 2
Lausen, Berthold	P-value Adjusted Selected Tree Ensemble	University of Essex	United Kingdom	Pending
Le, Thu Tra	Multiblock Regularized Least- squares Latent Variable Method	Tilburg University	Netherlands	Monday 15, 17:40-17:40, Room 1, session: Dimension Reduction
Leman, Marc	Classification of neuroscientific data under the probabilistic principles of near-perfect classification	IPEM, Universiteit Gent	Belgium	Thursday 18, 09:10-09:30, Room 3, session: Functional Data Analysis
Lever, Scarlett	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)	Universidad de Valparaíso	Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Lopes, Marta B	Understanding omics links behind glioma heterogeneity: a network and clustering approach	NOVA School of Science and Technology	Portugal	Monday 15, 18:00-18:20, Room 3, session: Big Data and High-Dimensional
Mahmoud, Osama	A Gene Selection Method for Classification with Three Classes Using Proportional Overlapping Scores	University of Essex	United Kingdom	Monday 15, 16:00-16:20, Room 1, session: Advances in supervised classification
Mahmoud, Osama	PASTE-Boost: P-Value Adjusted Selected Tree Ensembles with Gradient Boosted Improvements	University of Essex	United Kingdom	Tuesday 16, 10:10-10:30, Room 1, session: Clustering, Classification and Discrimination 2
Mahmoud, Osama	P-value Adjusted Selected Tree Ensemble	University of Essex	United Kingdom	Pending
Makarenkov, Vladimir	Towards Topologically Diverse Probabilistic Planning Benchmarks: Synthetic Domain Generation for Markov Decision Processes	Université du Québec à Montréal	Canada	Thursday 18, 09:50-10:10, Room 3, session: Machine Learning
Malecka, Marta	Robust estimation of the range- based GARCH model: Forecasting volatility, value at risk and expected shortfall of cryptocurrencies	University of Lodz	Poland	Thursday 18, 08:50-09:10, Room 2, session: Data Science 2
Manning, Samantha	Clustering for High-Dimensional, Nested Data with Categorical Outcomes Using a Generalized Linear Mixed Effects Model with Simultaneous Variable Selection	University of Rochester Medical Center	United States	Tuesday 16, 09:10-09:30, Room 1, session: Clustering, Classification and Discrimination 1
Markos, Angelos	A Deterministic Information Bottleneck Method for Clustering Mixed-Type Data	Democritus University of Thrace	Greece	Tuesday 16, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 1
Markos, Angelos	Nearest neighbors for mixed type data: an inter-dependency based approach	Democritus University of Thrace	Greece	Monday 15, 16:40-17:00, Room 3, session: Multidimensional data visualization or Image Analysis and Computer Vision

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Martin Fernández, José Antonio	Unsupervised methods for the creation of orthonormal bases in compositional data: R-mode clustering	Universitat de Girona	Spain	Wednesday 17, 08:50-09:10, Room 1, session: Clustering, Classification and Discrimination 5
Martínez Ruiz, Alba	Multiblock Methods for Learning Structural Equation Models: An Overview	Universidad Diego Portales	Chile	Thursday 18, 16:00-16:20, Room 2, session: Modeling Multivariate Data
Martínez, Diana Marcela	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)	Universidad de Valparaíso	Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Martínez, Kerlyns	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)	Universidad de Valparaíso	Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Mattera, Raffaele	Spatio-temporal hierarchical clustering of interval time series with application to suicide rates in Europe	Sapienza University of Rome	Italy	Tuesday 16, 09:50-10:10, Room 2, session: Symbolic Data Analysis 2
Mayo-Íscar, Agustín	Robust distance-based generalized linear models: A new tool for classification	Universidad de Valladolid	Spain	Tuesday 16, 17:00-17:20, Room 1, session: Classification Methods for Large Datasets
Medl, Matthias	Optimization Strategies for Bioprocess Parameterization: A Comparative Evaluation	University of Natural Resources and Life Sciences Vienna	Austria	Tuesday 16, 17:20-17:40, Room 2, session: Aplications
Mendez Civieta, Alvaro	A quantile extension to functional PCA	Columbia University	Spain	Thursday 18, 08:50-09:10, Room 3, session: Functional Data Analysis
Mephu Nguifo, Engelbert	Bridge the gap between Gradual Patterns and Statistical Correlations	LIMOS, Clermont Auvergne University	France	Thursday 18, 16:00-16:20, Room 1, session: Data Mining
Mephu Nguifo, Engelbert	Multimodal Emotion Recognition: A comparative study	LIMOS, Clermont Auvergne University	France	Tuesday 16, 09:50-10:10, Room 1, session: Clustering, Classification and Discrimination 2
Monge Cordero, Moisés De Jesús	Predicting Air Pollution in Beijing, China Using Chemical, and Climate Variables	Universidad de Costa Rica	Costa Rica	Monday 15, 16:20-16:40, Room 2, session: Time Series Analysis and Pattern Recognition
Montanari, Angela	Randomly Perturbed Random Forests	University of Bologna	Italy	Tuesday 16, 14:50-15:10, Room 1, session: Clustering, Classification and Discrimination 3
Montes, Fernando	Hypothesis Testing of Mean Interval for p-dimensional Interval- valued Data	The University of Texas at San Antonio	United States	Pending
Morala, Pablo	Using polynomials to explain classification outputs from neural networks	Universidad Carlos III de Madrid	Spain	Tuesday 16, 17:40-18:00, Room 1, session: Classification Methods for Large Datasets
Moussa Sow, Kalidou	Machine Learning-Based Classification and Prediction to Assess Corrosion Degradation in Mining Pipelines	University of Quebec at Trois Rivieres	Canada	Monday 15, 18:00-18:20, Room 2, session: Optimization in Classification and Clustering
Nadif, Mahamed	Fuzzy Clustering of Attributed Networks	Université Paris Cité	France	Wednesday 17, 14:40-15:00, Room 1, session: Clustering, Classification and Discrimination 6
Nagabhushan, P	Symbolic Data Analysis Framework for Recommendation Systems: SDA-RecSys	Vignan's Foundation for Science, Technology, and Research	India	Pending

Nakayama, Atsuho	Integration of Deep Learning and Marketing Research for Brand Confusion Prediction and Visual ad Analysis	Tokyo Metropolitan University	Japan	Monday 15, 17:00-17:20, Room 3, session: Multidimensional data visualization or Image Analysis and Computer Vision
Niang, Ndéye	Weighted Consensus Clustering for Unbiased Feature Importance in Random Forests	CEDRIC-CNAM	France	Tuesday 16, 15:10-15:30, Room 1, session: Clustering, Classification and Discrimination 3
Noel, Cédric	Finite Mixture Models for an underlying Beta distribution with an application to COVID-19 data	University of Lorraine	France	Thursday 18, 08:50-09:10, Room 1, session: Model- Based Clustering 1
Nordmark, Henrik	P-value Adjusted Selected Tree Ensemble	Victoria	Canada	Pending
Nuñez Corrales, Santiago	Machine learning-driven COVID- 19 early triage and large-scale testing strategies based on the 2021 Costa Rican Actualidades survey	University of Illinois Urbana-Champaign	United States	Pending
Nuñez, Manuel	On the Vapnik-Chervonenkis Dimension and Learnability of the Hurwicz Decision Criterion	University of Connecticut	United States	Thursday 18, 08:30-08:50, Room 2, session: Data Science 2
Ortega Menjivar, Lena	A toolbox for clustering ordinal data in the presence of missing values	BOKU University of Natural Resources and Life Sciences	Austria	Tuesday 16, 10:30-10:50, Room 1, session: Clustering, Classification and Discrimination 2
Ortego, María Isabel	Analysis of seawater nutrient concentrations to assess Submarine Groundwater Discharge along the Catalan coast (NW Mediterranean): a Compositional Data Analysis Approach	Universitat Politècnica de Catalunya- BarcelonaTECH	Spain	Wednesday 17, 14:20-14:40, Room 1, session: Clustering, Classification and Discrimination 6
Palagi, Laura	Scalable conic optimization for feature selection in linear SVMs with cardinality control	Sapienza Univ. di Roma	Italy	Monday 15, 17:00-17:20, Room 1, session: Advances in supervised classification
Pan, Wenhao	Distributional-based Partitioning with Copulas	University of Washigton	United States	Tuesday 16, 08:30-08:50, Room 2, session: Symbolic Data Analysis 1
Panagiotidou, Georgia	Candidates, Parties, Issues and the Political Marketing Strategies: A Comparative Analysis on political competition in Greece	Aristotle University of Thessaloniki	Greece	Wednesday 17, 08:50-09:10, Room 2, session: Data Science
Panagiotidou, Georgia	Mapping Electoral Behavior and Political Competition: A Comparative Analytical Framework for Voter Typologies and Political Discourses	Aristotle University of Thessaloniki	Greece	Wednesday 17, 08:30-08:50, Room 2, session: Data Science
Papatsouma, Ioanna	A Deterministic Information Bottleneck Method for Clustering Mixed-Type Data	Imperial College London	Imperial College London	Tuesday 16, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 1
Pasquier, Carlos	Machine learning-driven COVID- 19 early triage and large-scale testing strategies based on the 2021 Costa Rican Actualidades survey	Universidad de Costa Rica	Costa Rica	Pending

Peng, Bo	Scalable conic optimization for feature selection in linear SVMs with cardinality control	University of Vienna	Austria	Monday 15, 17:00-17:20, Room 1, session: Advances in supervised classification
Perez Alonso, Andres Felipe	Mixture Multigroup Structural Equation Modeling: Comparing Structural Relations Across Many Groups	Tilburg University	Netherlands	Thursday 18, 08:30-08:50, Room 1, session: Model- Based Clustering 1
Pietrzyk, Radosław	A Spectral Approach to Evaluating VaR Forecasts: Stock Market Evidence from the Subprime Mortgage Crisis, through COVID- 19, to the Russo-Ukrainian War	Wroclaw Univeristy	Poland	Thursday 18, 09:10-09:30, Room 2, session: Data Science 2
Pooley, Joshua	PASTE-Boost: P-Value Adjusted Selected Tree Ensembles with Gradient Boosted Improvements	University of Essex	United Kingdom	Tuesday 16, 10:10-10:30, Room 1, session: Clustering, Classification and Discrimination 2
Pooley, Joshua	P-value Adjusted Selected Tree Ensemble	University of Essex	United Kingdom	Pending
Pulido, Belén	A multivariate approach for clustering functional data in one and multiple dimensions	Universidad Carlos III de Madrid	Spain	Wednesday 17, 14:00-14:20, Room 1, session: Clustering, Classification and Discrimination 6
Qin, Xiaoke	Clustering of human gut microbiome data using the finite mixture of generalized Dirichlet- multinomial models	Carleton University	Canada	Thursday 18, 09:50-10:10, Room 1, session: Model- Based Clustering 2
Quirós Muñoz, Tatiana	Innovating the banking with machine learning: Credit Score for MSMEs	Universidad de Costa Rica	Costa Rica	Thursday 18, 10:10-10:30, Room 2, session: Generative Artificial Intelligence, Explainable Artificial Intelligence (XAI)
Ramirez Rodriguez, Sergio	Improving Employee Attrition with Data Analysis and Machine Learning	University of Costa Rica	Costa Rica	Thursday 18, 10:30-10:50, Room 3, session: Machine Learning
Riccio, Donato; Fabrizio Maturo & Elvira Romano	Improving Functional Classification Performance through Diversity: The Functional Voting Approach	University of Campania Luigi Vanvitelli; Universitas Mercatorum	Italy	Tuesday 16, 15:10-15:30, Room 2, session: Symbolic Data Analysis 3
Rodriguez Rojas, Oldemar	Riemannian Statistics for Any Type of Data	University of Costa Rica	Costa Rica	Wednesday 17, 14:20-14:40, Room 2, session: Data Science
Rosseel, Yves	Mixture Multigroup Structural Equation Modeling: Comparing Structural Relations Across Many Groups	Ghent University	Belgium	Thursday 18, 08:30-08:50, Room 1, session: Model- Based Clustering 1
Roy, Anuradha	Hypothesis Testing of Mean Interval for p-dimensional Interval- valued Data	The University of Texas at San Antonio	United States	Pending
Sabater Gúzman, Daniel Josué	Predicting Air Pollution in Beijing, China Using Chemical, and Climate Variables	Universidad de Costa Rica	Costa Rica	Monday 15, 16:20-16:40, Room 2, session: Time Series Analysis and Pattern Recognition
Sajobi, Tolulope	A comparison of multivariate mixed models and generalized estimation equations models for discrimination in multivariate longitudinal data	University of Calgary	Canada	Monday 15, 16:20-16:40, Room 1, session: Advances in supervised classification

Salas, Rodrigo	Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)	Universidad de Valparaíso	Chile	Tuesday 16, 17:40-18:00, Room 2, session: Aplications
Salini, Silvia	A new distance for categorical data with moderate association	University of Milan	Italy	Wednesday 17, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 5
Salnikov Daniel	Modelling clusters in network time series with an application to presidential elections in the USA		Canada	Monday 15, 16:00-16:20, Room 2, session: Time Series Analysis and Pattern Recognition
Same, Allou	Drift-switching local level models for time series segmentation	Université Gustave Eiffel	France	Thursday 18, 10:30-10:50, Room 1, session: Model- Based Clustering 2
Scharl, Theresa	A Clustering Procedure for Three- Way RNA Sequencing Data Using Data Transformations and Matrix- Variate Gaussian Mixture Models	BOKU University of Natural Resources and Life Sciences	Austria	Thursday 18, 10:10-10:30, Room 1, session: Model- Based Clustering 2
Schiltz, Jang	Finite Mixture Models for an underlying Beta distribution with an application to COVID-19 data	University of Luxembourg	Luxembourg	Thursday 18, 08:50-09:10, Room 1, session: Model- Based Clustering 1
Schneider, Mark	On the Vapnik-Chervonenkis Dimension and Learnability of the Hurwicz Decision Criterion	University of Alabama	United States	Thursday 18, 08:30-08:50, Room 2, session: Data Science 2
Schoonees, Pieter	Model Selection for Linear Regression Under Data Aggregation	Erasmus University Rotterdam	Netherlands	Monday 15, 16:20-16:40, Room 3, session: Visualization
Schuch, Ivan	P-value Adjusted Selected Tree Ensemble	Rolls-Royce Motor Cars	United Kingdom	Pending
Shults, Justine	Accounting for the Shutdown Due to the COVID Pandemic in an Analysis of Multivariate Data from a School and Medical Practice-Based Intervention: the West Philadelphia Asthma Care Implementation Study	University of Pennsylvania	United States	Thursday 18, 16:40-17:00, Room 2, session: Modeling Multivariate Data
Solís, Maikol	Machine learning-driven COVID- 19 early triage and large-scale testing strategies based on the 2021 Costa Rican Actualidades survey	Universidad de Costa Rica	Costa Rica	Thursday 18, 10:10-10:30, Room 3, session: Machine Learning
Solís, Maikol	UMAP projections and the survival of empty space: A geometric approach to high-dimensional data	Universidad de Costa Rica	Costa Rica	Monday 15, 17:40-18:00, Room 3, session: Big Data and High-Dimensional
Stier, Quirin	An efficient multicore CPU implementation of the DatabionicSwarm	University of Marburg	Germany	Wednesday 17, 09:10-09:30, Room 1, session: Clustering, Classification and Discrimination 5
Suwanwong, Anusa	A Gene Selection Method for Classification with Three Classes Using Proportional Overlapping Scores	University of Essex	United Kingdom	Monday 15, 16:00-16:20, Room 1, session: Advances in supervised classification
Tahiri, Nadia	A new metric to classify B cell lineage tree	University of Sherbrooke	Canada	Tuesday 16, 15:10-15:30, Room 2, session: Symbolic Data Analysis 3
Tahiri, Nadia	phyDBSCAN: phylogenetic tree density-based spatial clustering of applications with noise and user- defined hyperparameters	University of Sherbrooke	Canada	Pending

Tenorio de Carvalho, Francisco de Asis	A fuzzy clustering algorithm with entropy regularization for interval- valued data	Universidade Federal de Pernambuco	Brazil	Tuesday 16, 08:50-09:10, Room 2, session: Symbolic Data Analysis 1
Tran, Hélène	Multimodal Emotion Recognition: A comparative study	LIMOS, Clermont Auvergne University	France	Tuesday 16, 09:50-10:10, Room 1, session: Clustering, Classification and Discrimination 2
Van de Velden, Michael	Nearest neighbors for mixed type data: an inter-dependency based approach	Erasmus University Rotterdam	Netherlands	Monday 15, 16:40-17:00, Room 3, session: Multidimensional data visualization or Image Analysis and Computer Vision
Verde, Rosanna	A Robust approach of the Clusterwise Regression method for distributional data	University of Campania "Luigi Vanvitelli"	Italy	Tuesday 16, 10:30-10:50, Room 2, session: Symbolic Data Analysis 2
Vermunt, Jeroen	Mixture Multigroup Structural Equation Modeling: Comparing Structural Relations Across Many Groups	Tilburg University	Netherlands	Thursday 18, 08:30-08:50, Room 1, session: Model- Based Clustering 1
Vidal, Marc	Classification of neuroscientific data under the probabilistic principles of near-perfect classification	IPEM, Universiteit Gent	Belgium	Thursday 18, 09:10-09:30, Room 3, session: Functional Data Analysis
Vilchez, Vivian	Machine learning-driven COVID- 19 early triage and large-scale testing strategies based on the 2021 Costa Rican Actualidades survey	Universidad de Costa Rica	Costa Rica	Pending
Villalobos Carballo. Kimberly	TabText: A Flexible and Contextual Approach to Tabular Data Representation	Massachusetts Institute of Technology	United States	Tuesday 16, 17:00-17:20, Room 2, session: Aplications
Wołyński, Waldemar	Applying classification methods for multivariate functional data	University of Kalisz	Poland	Pending
Yuan, Shuai	Understanding Algorithm Fairness in Personnel Selection Through the Lens of Organization Justice Theory	University of Amsterdam	Netherlands	Thursday 18, 09:50-10:10, Room 2, session: Explainable Artificial Intelligence (XAI)