



## List of Presentations in Alphabetical Order

	<b>Presenting author</b>	<b>Title</b>	<b>Day – time – place – session</b>
1.	Acosta, Jonathan	<i>Comparing two spatial variables with the probability of agreement</i>	<b>Tuesday 16, 08:50-09:10, Room 3, session: LACSC: Data Science and Computational Statistics: Theory and applications</b>
2.	Adhikari, Sourav	<i>Combining Topic Modeling and Word Embedding to Predict Match Outcomes in Association Football</i>	<b>Tuesday 16, 17:40-18:00, Room 1, session: Data Mining</b>
3.	Alfaro, Marcela	<i>Reproducible data analysis</i>	<b>Monday 15, 08:30-12:00, Room 1, session: Tutorial 1</b>
4.	Alfaro, Marcela	<i>Comparative study on Downscaling methods for Regional Climate Models</i>	<b>Thursday 18, 15:00-16:00, Auditorium, session: Plenary Talk 6</b>
5.	Anderlucci, Laura	<i>Randomly perturbed random forests</i>	<b>Tuesday 16, 08:50-09:10, Room 1, session: Clustering, Classification and Discrimination 1</b>
6.	Anton, Cristina Adela	<i>A multivariate functional data clustering method using parsimonious cluster weighted models</i>	<b>Thursday 18, 10:40-11:00, Room 3, session: Functional Data Analysis 2</b>
7.	Arce, Jorge	<i>Principal Components Analysis of Histogram-valued Data: Set Theory Approach</i>	<b>Tuesday 16, 10:20-10:40, Room 2, session: Symbolic Data Analysis 2</b>
8.	Arroyo-Castro, Jose Pablo	<i>Unsupervised Detection of Anomaly in Public Procurement Processes</i>	<b>Wednesday 17, 10:20-10:40, Room 2, session: Data Science 3 (Social and Political Research)</b>

9.	Asse Amiga, Jose	<i>Pattern Recognition for Mexican Household Power Demand Time Series</i>	<b>Tuesday 16, 17:40-18:00, Room 2, session: Time Series Analysis and Pattern Recognition</b>
10.	Bakk, Zsuzsa	<i>Unravelling the Skill Sets of Data Scientists: A Text Mining Analysis of Dutch University Master Programs in Data Science and Artificial Intelligence</i>	<b>Wednesday 17, 10:40-11:00, Room 2, session: Data Science 3 (Social and Political Research)</b>
11.	Banks, David	<i>Statistics in the Knowledge Economy</i>	<b>Tuesday 16, 14:50-15:10, Room 2, session: Advances in supervised classification</b>
12.	Batagelj, Vladimir	<i>Network analysis approach to the analysis of event sequences</i>	<b>Tuesday 16, 14:50-15:10, Room 1, session: Data Science 2</b>
13.	Billard, Lynne	<i>Distributional-based Partitioning with Copulas</i>	<b>Tuesday 16, 08:30-08:50, Room 2, session: Symbolic Data Analysis 1</b>
14.	Boj, Eva	<i>Robust distance-based generalized linear models: A new tool for classification</i>	<b>Tuesday 16, 17:00-17:20, Room 3, session: Classification Methods for Large Datasets (A. Gran\`e)</b>
15.	Bomze, Immanuel M.	<i>Scalable conic optimization for feature selection in linear SVMs with cardinality control</i>	<b>Tuesday 16, 15:10-15:30, Room 2, session: Advances in supervised classification</b>
16.	Bouranta, Vasiliki	<i>Candidates, Parties, Issues and the Political Marketing Strategies: A Comparative Analysis on political competition in Greece</i>	<b>Wednesday 17, 08:50-09:10, Room 2, session: Data Science 1</b>
17.	Brito, Paula	<i>Quality Measures for Clusterwise Regression</i>	<b>Monday 15, 16:00-16:20, Room 2, session: Symbolic Data Analysis 3</b>
18.	Cavicchia, Carlo	<i>Nearest neighbors for mixed type data: an inter-dependency based approach</i>	<b>Monday 15, 16:40-17:00, Room 3, session: Visualization (J. Nienkemper \&amp; S. Lubbe)</b>
19.	Cervantes Artavia, Joshua Isaac	<i>Predicting Air Pollution in Beijing, China Using Chemical, and Climate Variables</i>	<b>Tuesday 16, 15:10-15:30, Room 3, session: Applications</b>
20.	Cevallos-Valdiviezo, Holger	<i>Robustness under Missing Data: A Comparison with Special Attention to Inference</i>	<b>Tuesday 16, 10:20-10:40, Room 3, session: LACSC session 1: Data Science</b>
21.	Chadjipadelis, Theodore	<i>Methods on Artificial Intelligence</i>	<b>Friday 19, 13:30-17:00, Room 1, session: Tutorial 4</b>
22.	Champagne Gareau, Jaël	<i>Towards Topologically Diverse Probabilistic Planning Benchmarks: Synthetic Domain</i>	<b>Monday 15, 17:25-17:45, Room 2, session: Optimization in Classification and Clustering</b>

		<i>Generation for Markov Decision Processes</i>	
23.	Chaparala, Pushya	<i>Symbolic Data Analysis Framework for Recommendation Systems: SDA-RecSys</i>	<b>Monday 15, 16:20-16:40, Room 2, session: Symbolic Data Analysis 3</b>
24.	Chen, Ray-Bing	<i>Bayesian Selection Approach for Categorical Responses via Multinomial Probit Models</i>	<b>Tuesday 16, 11:10-12:10, Auditorium, session: Plenary Talk 2</b>
25.	Cobo, Beatriz	<i>Integration of data from probability and non-probability surveys</i>	<b>Tuesday 16, 16:00-17:00, Auditorium, session: Plenary Talk 4</b>
26.	Corrales-Barquero, Ricardo	<i>Gender Bias Mitigation in a Credit Scoring Model</i>	<b>Wednesday 17, 09:10-09:30, Room 2, session: Data Science 1</b>
27.	Costa, Efthymios	<i>A Deterministic Information Bottleneck Method for Clustering Mixed-Type Data</i>	<b>Tuesday 16, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 1</b>
28.	Crocetta, Corrado	<i>New tools for visualizing distributional datasets</i>	<b>Monday 15, 17:00-17:20, Room 2, session: Symbolic Data Analysis 3</b>
29.	De Rooij, Mark	<i>Logistic Multidimensional Data Analysis</i>	<b>Friday 19, 08:30-12:00, Room 1, session: Tutorial 3</b>
30.	De Rooij, Mark	<i>Reduced Rank Regression with Mixed Predictors and Mixed Responses</i>	<b>Monday 15, 16:00-16:20, Room 3, session: Visualization (J. Nienkemper &amp; S. Lubbe)</b>
31.	Falih, Issam	<i>Multimodal Emotion Recognition: A comparative study</i>	<b>Tuesday 16, 10:00-10:20, Room 1, session: Clustering, Classification and Discrimination 2</b>
32.	Fallas Monge, Juan José	<i>Comparison of cooling schedules in the simulated annealing algorithm applied to the clustering problem</i>	<b>Tuesday 16, 10:40-11:00, Room 3, session: LACSC session 1: Data Science</b>
33.	France, Stephen L.	<i>Visualization and Clustering with Projective Techniques</i>	<b>Tuesday 16, 17:20-17:40, Room 1, session: Data Mining</b>
34.	Franczak, Brian	<i>Classifying multivariate observations in data sets with asymmetric features and outlying observations</i>	<b>Monday 15, 16:20-16:40, Room 1, session: Modeling Multivariate Data (A. Roy)</b>
35.	Gorecki, Tomasz	<i>Applying classification methods for multivariate functional data</i>	<b>Thursday 18, 08:30-08:50, Room 3, session: Functional Data Analysis</b>
36.	Gonzalez-Barquero, Pilar	<i>High-dimensional survival analysis: exploring Cox regression with lasso and adaptive lasso penalties</i>	<b>Tuesday 16, 17:20-17:40, Room 3, session: Classification Methods for Large Datasets (A. Gran'e)</b>

37.	Grane, Aurea	<i>A new distance for categorical data with moderate association</i>	<b>Wednesday 17, 08:30-08:50, Room 1, session: Clustering, Classification and Discrimination 5 (A. Gran'e)</b>
38.	Groenen, Patrick	<i>MM-Algorithms in Data-Science</i>	<b>Monday 15, 14:30-15:30, Auditorium, session: Opening Plenary Talk</b>
39.	Guerra Urzola, Rosember Isidoro	<i>Optimal penalized sparse PCA</i>	<b>Monday 15, 17:25-17:45, Room 1, session: Dimension Reduction</b>
40.	Guerrero-San Vicente, Maria Teresa	<i>Crime in Mexico: an original Data Analysis approach</i>	<b>Wednesday 17, 10:00-10:20, Room 2, session: Data Science 3 (Social and Political Research)</b>
41.	Gutierrez- Vega, Edgardo	<i>Analysis of Intoxication Cases Reported in Costa Rica from 2020 to 2022: Before and during the COVID-19 Period.</i>	<b>Wednesday 17, 08:30-08:50, Room 3, session: LACSC session 3: Applications</b>
42.	Jajuga, Krzysztof	<i>Data Science in Finance – classification of areas and methods"</i>	<b>Thursday 18, 10:40-11:00, Room 2, session: Data Science in Economics, Finance and Management 2</b>
43.	Khismatullina, Marina	<i>Multivariate clustering of nonparametric time trends</i>	<b>Tuesday 16, 17:20-17:40, Room 2, session: Time Series Analysis and Pattern Recognition</b>
44.	Kral, Caitlin	<i>Model-based bi-clustering using multivariate Poisson-lognormal with general block-diagonal covariance matrix and its applications Submitted to IFCS 2024 Book of Abstracts</i>	<b>Thursday 18, 16:00-17:00, Coffee area, session: Poster session</b>
45.	Kuziak, Katarzyna	<i>Green bond yield determination with the use of machine learning methods. Comparison with conventional bonds</i>	<b>Thursday 18, 10:20-10:40, Room 2, session: Data Science in Economics, Finance and Management 2</b>
46.	Labioud, Lazhar	<i>Fuzzy Clustering of Attributed Networks</i>	<b>Wednesday 17, 10:40-11:00, Room 1, session: Clustering, Classification and Discrimination 6 (A. Gran'e)</b>
47.	Le, Thu Tra	<i>Multiblock Regularized Least-squares Latent Variable Method</i>	<b>Monday 15, 17:45-18:05, Room 1, session: Dimension Reduction</b>
48.	Lin, Sheng-Hsuan	<i>On relation between separable effects, natural effects, and interventional effects</i>	<b>Thursday 18, 16:00-17:00, Coffee area, session: Poster session</b>

49.	Lopes, Marta B	<i>Understanding omics links behind glioma heterogeneity: a network and clustering approach</i>	<b>Monday 15, 17:45-18:05, Room 3, session: Big Data and High-Dimensional</b>
50.	Lubbe, Sugnet	<i>A Collection of Biplots for Classification</i>	<b>Thursday 18, 17:00-18:00, Auditorium, session: Closing Plenary Talk</b>
51.	Mendez Civieta, Alvaro	<i>A quantile extension to functional PCA</i>	<b>Thursday 18, 08:50-09:10, Room 3, session: Functional Data Analysis</b>
52.	Makarenkov, Vladimir	<i>Predicting soil bacterial and fungal communities at different taxonomic levels using machine learning</i>	<b>Thursday 18, 10:00-10:20, Room 1, session: Machine Learning</b>
53.	Malecka, Marta	<i>Robust estimation of the range-based GARCH model: Forecasting volatility, value at risk and expected shortfall of cryptocurrencies</i>	<b>Thursday 18, 08:50-09:10, Room 2, session: Data Science in Economics, Finance and Management</b>
54.	Manning, Samantha	<i>Clustering for High-Dimensional, Nested Data with Categorical Outcomes Using a Generalized Linear Mixed Effects Model with Simultaneous Variable Selection</i>	<b>Thursday 18, 16:00-17:00, Coffee area, session: Poster session</b>
55.	Maradiaga, Ericka María	<i>Traffic Accidents in Nicaragua</i>	<b>Wednesday 17, 10:00-10:20, Room 3, session: LACSC session 3: Applications 2</b>
56.	Martin Fernandez, Jose Antonio	<i>Unsupervised methods for the creation of orthonormal bases in compositional data: R-mode clustering</i>	<b>Wednesday 17, 08:50-09:10, Room 1, session: Clustering, Classification and Discrimination 5 (A. Gran'e)</b>
57.	Mar'inez, Diana Marcela	<i>Spatial Agent-Based Model for Aedes Aegypti mosquitoes in the urban area in Arica (Chile)</i>	<b>Thursday 18, 16:00-17:00, Coffee area, session: Poster session</b>
58.	Martinez-Ruiz, Alba	<i>Multiblock Methods for Learning Structural Equation Models: An Overview</i>	<b>Monday 15, 16:00-16:20, Room 1, session: Modeling Multivariate Data (A. Roy)</b>
59.	Martínez, Larissa	<i>Nicaragua Migrations: Origin-Destiny</i>	<b>Wednesday 17, 10:20-10:40, Room 3, session: LACSC session 3: Applications 2</b>
60.	Martínez-Ruiz, Alba	<i>Alternating Least Squares Algorithm: Speedup versus Accuracy</i>	<b>Tuesday 16, 08:30-08:50, Room 3, session: LACSC: Data Science and Computational Statistics: Theory and applications</b>
61.	Matabuena, Marcos	<i>Statistical Science Meets Digital Health</i>	<b>Monday 15, 08:30-12:00, Room 2, session: Tutorial 2</b>

62.	Matabuena, Marcos	<i>Statistical Science Meets Digital Health</i>	<b>Tuesday 16, 13:30-14:30, Auditorium, session: Plenary Talk 3</b>
63.	Mattera, Raffaele	<i>Spatio-temporal hierarchical clustering of interval time series with application to suicide rates in Europe</i>	<b>Tuesday 16, 10:00-10:20, Room 2, session: Symbolic Data Analysis 2</b>
64.	Maturo, Fabrizio	<i>Improving Functional Classification Performance through Diversity: The Functional Voting Approach</i>	<b>Thursday 18, 10:00-10:20, Room 3, session: Functional Data Analysis 2</b>
65.	Medl, Matthias	<i>Optimization Strategies for Bioprocess Parameterization: A Comparative Evaluation</i>	<b>Tuesday 16, 14:50-15:10, Room 3, session: Applications</b>
66.	Mephu Nguifo, Engelbert	<i>Bridge the gap between Gradual Patterns and Statistical Correlations</i>	<b>Tuesday 16, 17:00-17:20, Room 1, session: Data Mining</b>
67.	Montanari, Angela	<i>(Data oblivious) Random Projections for (data aware) Model-based Clustering</i>	<b>Wednesday 17, 11:10-12:10, Auditorium, session: Plenary Talk 5</b>
68.	Morala, Pablo	<i>Using polynomials to explain classification outputs from neural networks</i>	<b>Tuesday 16, 17:40-18:00, Room 3, session: Classification Methods for Large Datasets (A. Gran\`e)</b>
69.	Müller-Molina, Arnoldo	<i>Similarity Search and LLMs: The RAG Revolution</i>	<b>Thursday 18, 14:00-15:00, Auditorium, session: Plenary Talk 7</b>
70.	Nakayama, Atsuhō	<i>Integration of Deep Learning and Marketing Research for Brand Confusion Prediction and Visual ad Analysis</i>	<b>Monday 15, 17:00-17:20, Room 3, session: Visualization (J. Nienkemper \&amp; S. Lubbe)</b>
71.	Niang, Ndèye	<i>Weighted Consensus Clustering for Unbiased Feature Importance in Random Forests</i>	<b>Tuesday 16, 09:10-09:30, Room 1, session: Clustering, Classification and Discrimination 1</b>
72.	Nicolis, Orietta	<i>Comparing precursors for earthquake prediction in Chile</i>	<b>Tuesday 16, 09:10-09:30, Room 3, session: LACSC: Data Science and Computational Statistics: Theory and applications</b>
73.	Nunez, Manuel	<i>On the Vapnik-Chervonenkis Dimension and Learnability of the Hurwicz Decision Criterion</i>	<b>Thursday 18, 08:30-08:50, Room 2, session: Data Science in Economics, Finance and Management</b>
74.	Ortega Menjivar, Lena	<i>A toolbox for clustering ordinal data in the presence of missing values</i>	<b>Tuesday 16, 10:40-11:00, Room 1, session: Clustering, Classification and Discrimination 2</b>

75.	Ortego, M.I.	<i>Analysis of seawater nutrient concentrations to assess Submarine Groundwater Discharge along the Catalan coast (NW Mediterranean): a Compositional Data Analysis Approach</i>	<b>Wednesday 17, 10:20-10:40, Room 1, session: Clustering, Classification and Discrimination 6 (A. Gran\`e)</b>
76.	Panagiotidou, Georgia	<i>Mapping Electoral Behavior and Political Competition: A Comparative Analytical Framework for Voter Typologies and Political Discourses</i>	<b>Wednesday 17, 08:30-08:50, Room 2, session: Data Science 1</b>
77.	Pasquier, Carlos	<i>Machine learning-driven COVID-19 early triage and large-scale testing strategies based on the 2021 Costa Rican Actualidades survey</i>	<b>Thursday 18, 10:20-10:40, Room 1, session: Machine Learning</b>
78.	Perez Alonso, Andres Felipe	<i>Mixture Multigroup Structural Equation Modeling: Comparing Structural Relations Across Many Groups</i>	<b>Thursday 18, 16:00-17:00, Coffee area, session: Poster session</b>
79.	Pietrzyk, Radoslaw	<i>A Spectral Approach to Evaluating VaR Forecasts: Stock Market Evidence from the Subprime Mortgage Crisis, through COVID-19, to the Russo-Ukrainian War</i>	<b>Thursday 18, 09:10-09:30, Room 2, session: Data Science in Economics, Finance and Management</b>
80.	Pooley, Joshua	<i>P-Value Adjusted Selected Tree Ensemble</i>	<b>Tuesday 16, 10:20-10:40, Room 1, session: Clustering, Classification and Discrimination 2</b>
81.	Pulido, Belen	<i>A multivariate approach for clustering functional data in one and multiple dimensions</i>	<b>Wednesday 17, 10:00-10:20, Room 1, session: Clustering, Classification and Discrimination 6 (A. Gran\`e)</b>
82.	Qin, Xiaoke	<i>Clustering of human gut microbiome data using the finite mixture of generalized Dirichlet-multinomial models</i>	<b>Thursday 18, 08:30-08:50, Room 1, session: Model-Based Clustering 1</b>
83.	Qui'os Mu\~noz, Tatiana	<i>Innovating the banking with machine learning: Credit Score for MSMEs</i>	<b>Thursday 18, 10:00-10:20, Room 2, session: Data Science in Economics, Finance and Management 2</b>
84.	Ramirez Rodriguez, Sergio	<i>Improving Employee Attrition with Data Analysis and Machine Learning</i>	<b>Thursday 18, 10:40-11:00, Room 1, session: Machine Learning</b>

85.	Redivo, Edoardo	<i>Mixtures of Quantile-based Factor Analyzers</i>	<b>Wednesday 17, 08:50-09:10, Room 3, session: LACSC session 3: Applications</b>
86.	Rodr'iguez Rojas, Oldermar	<i>Riemannian Statistics for Any Type of Data</i>	<b>Tuesday 16, 14:30-14:50, Room 1, session: Data Science 2</b>
87.	Rousseeuw, Peter	<i>New graphical displays for classification</i>	<b>Thursday 18, 11:40-12:40, Auditorium, session: IFCSmedal</b>
88.	Roy, Anuradha	<i>Hypothesis Testing of Mean Interval for <math>p</math>-dimensional Interval-valued Data</i>	<b>Tuesday 16, 09:10-09:30, Room 2, session: Symbolic Data Analysis 1</b>
89.	Sajobi, Tolulope	<i>A comparison of multivariate mixed models and generalized estimation equations models for discrimination in multivariate longitudinal data</i>	<b>Monday 15, 17:00-17:20, Room 1, session: Modeling Multivariate Data (A. Roy)</b>
90.	Salnikov, Daniel	<i>Modelling clusters in network time series with an application to presidential elections in the USA</i>	<b>Tuesday 16, 17:00-17:20, Room 2, session: Time Series Analysis and Pattern Recognition</b>
91.	Same, Allou	<i>Drift-switching local level models for time series segmentation</i>	<b>Thursday 18, 16:00-17:00, Coffee area, session: Poster session</b>
92.	Scharl, Theresa	<i>A Clustering Procedure for Three-Way RNA Sequencing Data Using Data Transformations and Matrix-Variate Gaussian Mixture Models</i>	<b>Thursday 18, 08:50-09:10, Room 1, session: Model-Based Clustering 1</b>
93.	Schiltz, Jang	<i>Finite Mixture Models for an underlying Beta distribution with an application to COVID-19 data</i>	<b>Thursday 18, 10:20-10:40, Room 3, session: Functional Data Analysis 2</b>
94.	Schoonees, Pieter C.	<i>Model Selection for Linear Regression Under Data Aggregation</i>	<b>Monday 15, 16:20-16:40, Room 3, session: Visualization (J. Nienkemper &amp; S. Lubbe)</b>
95.	Shults, Justine	<i>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</i>	<b>Monday 15, 16:40-17:00, Room 1, session: Modeling Multivariate Data (A. Roy)</b>



96.	Solis, Maikol	<i>UMAP projections and the survival of empty space: A geometric approach to high-dimensional data</i>	<b>Monday 15, 17:25-17:45, Room 3, session: Big Data and High-Dimensional</b>
97.	Sow, Kalidou Moussa	<i>Machine Learning-Based Classification and Prediction to Assess Corrosion Degradation in Mining Pipelines</i>	<b>Monday 15, 17:45-18:05, Room 2, session: Optimization in Classification and Clustering</b>
98.	Stier, Quirin	<i>An efficient multicore CPU implementation of the DatabionicSwarm</i>	<b>Wednesday 17, 09:10-09:30, Room 1, session: Clustering, Classification and Discrimination 5 (A. Gran\`e)</b>
99.	Subedi, Sanjeena	<i>Gaussian mixture models for changepoint detection</i>	<b>Tuesday 16, 15:10-15:30, Room 1, session: Data Science 2</b>
100.	Suwanwong, Anusa	<i>A Gene Selection Method for Classification with Three Classes Using Proportional Overlapping Scores</i>	<b>Tuesday 16, 14:30-14:50, Room 2, session: Advances in supervised classification</b>
101.	Tahiri, Nadia	<i>A new metric to classify B cell lineage tree</i>	<b>Monday 15, 16:40-17:00, Room 2, session: Symbolic Data Analysis 3</b>
102.	Tahiri, Nadia	<i>phyDBSCAN: phylogenetic tree density-based spatial clustering of applications with noise and automatically estimated hyperparameters</i>	<b>Thursday 18, 09:10-09:30, Room 1, session: Model-Based Clustering 1</b>
103.	Tenorio de Carvalho, Francisco de Assis	<i>A fuzzy clustering algorithm with entropy regularization for interval-valued data</i>	<b>Tuesday 16, 08:50-09:10, Room 2, session: Symbolic Data Analysis 1</b>
104.	Verde, Rosanna	<i>A Robust approach of the Clusterwise Regression method for distributional data</i>	<b>Tuesday 16, 10:40-11:00, Room 2, session: Symbolic Data Analysis 2</b>
105.	Vidal, Marc	<i>Classification of neuroscientific data under the probabilistic principles of near-perfect classification</i>	<b>Thursday 18, 09:10-09:30, Room 3, session: Functional Data Analysis</b>
106.	Villalobos Carballo, Kimberly	<i>TabText: A Flexible and Contextual Approach to Tabular Data Representation</i>	<b>Tuesday 16, 14:30-14:50, Room 3, session: Applications</b>
107.	Zevallos, Mauricio	<i>Forecasting Realized Volatility: Does Anything Beat Linear Models?</i>	<b>Tuesday 16, 10:00-10:20, Room 3, session: LACSC session 1: Data Science</b>