

AMyC 2024 programme

Day 1 – Thursday, 28th Nov 2024

08:20 - 09:00 | Registration & Welcome Address (08:45)

09:00 - 10:00 | **Contributed Session 1: Entropy & Visualization** - Chair: Aurea Grané

- **Title:** Generalized entropies from f-divergences
Authors: Mateu Sbert (presenter), Min Chen, Jordi Poch, Miquel Feixas, and Shuning Chen
 - **Title:** Polychoric Dual STATIS: A Novel Approach for Categorical Data
Authors: Laura Vicente (presenter), Elisa Frutos, and José Luis Vicente
 - **Title:** Logistic Biplots for Mixed Types of Data
Authors: José Luis Vicente (presenter), Laura Vicente, and Elisa Frutos
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10:00 - 11:00 | **Keynote I** - Chair: Beatriz Sinova

- **Title:** Testing for Complete Independence in High Dimensions through Rao's Score Tests
Speaker: Nirian Martín
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11:00 - 11:30 | Coffee Break

11:30 - 12:50 | **Contributed Session 2: Clustering & Robust Methods** - Chair: Agustín Mayo

- **Title:** New Clustering Algorithms for Large Mixed-Type Data
Authors: Fabio Scielzo (presenter) and Aurea Grané
 - **Title:** Robust Distance-Based Generalized Linear Models: A New Tool for Classification
Authors: Eva Boj (presenter), Aurea Grané, and Agustín Mayo
 - **Title:** Empirical Finite-Sample Performance of Fuzzy S-Estimators
Authors: Beatriz Sinova (presenter) and Stefan Van Aelst
 - **Title:** Exploring L1-Norm Penalization Approaches in Convex Clustering for Compositional Data
Authors: Paula de la Lama (presenter), Jordi Saperas, and Valentino di Donato
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12:50 - 13:50 | **Keynote II** - Chair: Josep Antoni Martín

- **Title:** Tensor Data Analysis
Speaker: Michele Gallo
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13:50 - 15:30 | Lunch

16:00 - 17:00 | Social Activity: guided visit to the Cathedral of Girona

17:15 - 18:00 | AMyC Group Meeting, room B4 of the Faculty of Tourism/Arts (Facultat de Lletres)

21:00 - 23:00 | Social Dinner: Restaurant La Miranda (<https://andilana.com/locales/la-miranda/>)

Day 2 – Friday, 29th Nov 2024

09:00 - 10:00 | Contributed Session 3: Statistical Models & Regularization - Chair: Eva Boj del Val

- **Title:** On the Consistency of the Bootstrap Analogue Estimator of Cronbach's α Coefficient for Interval-Valued Data in Questionnaires
Authors: José García (presenter) and M. Asunción Lubiano
 - **Title:** Regularized Cox Regression in High-Dimensional Settings
Authors: Pilar González (presenter), Rosa E. Lillo, and Álvaro Méndez
 - **Title:** Interpretable and Fair Logistic Regression via Variational Inference
Authors: Rafael Jiménez (presenter), Emilio Carrizosa, and Pepa Ramírez
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10:00 - 11:00 | Keynote III - Chair: Javier Palarea

- **Title:** State-Space Models as Graphs
Speaker: Victor Elvira
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11:00 - 11:30 | Coffee Break

11:30 - 12:50 | Contributed Session 4: Compositional Data Analysis - Chair: José Luis Vicente

- **Title:** Distances Between Detrital Zircon U-Pb Isotopic Age Distributions
Authors: Juan José Egozcue (presenter), Vera Pawlowsky-Glahn, and Javier Fernández
 - **Title:** Compositional Receptor Models for Mutational Signature Analysis of Cancer Sequencing Data
Authors: Víctor Velasco (presenter), Michail Papatthomas, and Andy G. Lynch
 - **Title:** LASSO Regression with L1-CoDa Norm
Authors: Jordi Saperas (presenter), Glòria Mateu, and Josep Antoni Martín
 - **Title:** Exploring a New Visualization Approach for Glucose Management: Day Categories via Compositional Data
Authors: Lyvia Biagi (presenter), Arthur Bertachi, Alvis Cabrera, Júlia Soler, Josep Antoni Martín, and Josep Vehí
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12:50 - 13:50 | Keynote IV - Chair: Glòria Mateu

- **Title:** Robust Principal Components by Casewise and Cellwise Weighting
Speaker: Mia Hubert
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13:50 - 14:10 | Closing Address

14:10 - 15:30 | Lunch