

Thursday, 20

8.30 – 9 h Registration

9 – 10 h *Opening*. José Fernando Vera, Eva Boj and Frederic Udina.

Invited Inaugural Talk

Carles M^a Cuadras

"Comparing multiple factor analysis with related metric scaling for representing multivariate data"

10 – 11 h *Special Session: Former Students of Dr. Cuadras 1*

Chair: Josep Fortiana

11 – 11.15 h Coffee Break

11.15 – 12.15 h *Special Session: Former Students of Dr. Cuadras 2*

Chair: Josep Fortiana

Participants in the Special Sessions of Former Students of Dr. Cuadras: Lupe Gómez, Jordi Ocaña, Daniel Cuadras, Conchita Arenas, Josep M^a Oller, Martín Ríos, Josep M^a Duran, Joan Manel Batista, Purificación Galindo and Josep Fortiana.

12.15 – 13 h *Invited Talk*

Chair: José Fernando Vera

Invited Speaker: Elías Moreno

"Probabilistic clustering: Asymptotic results"

13 – 14 h *Special Session: Compositional Data*

Chair: Josep Antoni Martín

- Maribel Ortego and Juan José Egozcue: *"Spurious correlation in Compositional Data analysis: from Pearson to copulas, through Spearman and Kendall"*

- Marc Comas-Cufí, Josep A. Martín-Fernández, Glòria Mateu-Figueras, Javier Palarea-Albaladejo: *"A parametric approach to count data in compositional data sets"*

- Salvador Linares Mustarós, Germà Coenders: *"Liquidity and debt profiles. From classification according to financial ratios to compositional classification"*

14 – 16.30 h Lunch

Restaurant "Els Quatre Gats". C/ Montsió 3. 08002_Barcelona.

16.30 – 19 h *Special Session: Statistics for Automated Mass-Crowd Counting*

Organizer: Albert Satorra

DETAILS:

16.30 – 17.30 h *Invited Talk*

Chair: Albert Satorra

Invited Speaker: Haroon Idrees (Department of Computer Vision, University of Central Florida)

"A computer vision method for image crowd counting"

17.30 – 17.45 h *Coffee Break*

17.45 – 19 h *Contributed Talks*

Chair: Albert Satorra

- Marcos Cruz, Javier González-Villa, Luis Manuel Cruz-Orive: "Efficient and unbiased crowd size estimation"

- Llorens Badiella: "Attendance estimation for massive demonstrations using basic statistics"

- Albert Satorra, Josep M. Oller: "Crowd size estimate based on line-density integration and computerized count of images"

19.15 – 19.45 h *Invited Talk*

Chair: Carles M^a Cuadras

Invited Speaker: Daniel Peña

- Andrés M. Alonso and Daniel Peña: "An Unified Procedure for Clustering Time Series"

Friday, 21

8.30 – 9 h Registration

9 – 11 h *Plenary Invited Talks*

Chair: Eva Boj

- José Fernando Vera: "On the added value of Clustering in Multidimensional Scaling"
- Daniel Oberski: "Bayesian mixture priors for measurement invariance structural equation modeling"
- José Luis Vicente-Villardón, Julio César Hernández-Sánchez: "Logistic Biplots for Binary, Nominal and Ordinal Data"
- Eva Boj: "Distance-based generalized linear models: from OLS to IWLS"

11 – 11.15 h Coffee Break

11.15 – 12.15 h *Poster Session / Regular Session*

Chair: José Luis Vicente-Villardón

Regular Session:

- Karina Gibert, Aida Valls: "Introducing semantics into the distance-based methods. An application to clustering in the field of tourism"
- Andrés Jiménez, José M^a Gutiérrez: "Influence components"

Poster Session:

Itziar Irigoien, Francesc Mestres, Conchita Arenas: "DB-discriminant: an extension"

Jesús Corral-López, Raquel Feixa-Compte and Maribel Ortego: "Changes in the occurrence of extreme wave storms in the Catalan coast: a Bayesian approach"

Eva Boj, M^a Teresa Costa: "Mean Squared Error for new observations in logistic regression"

12.15 – 13 h *Invited Talk: IDESCAT*

Chair: Cristina Rovira

Invited Speaker: Mònica Gasulla

- Mònica Gasulla, Jesús Muñoz, Jonathan Jorba and Sergio Plaza: "Dynamic Factor Models for GDP nowcasting: An application to the Catalan economy"

13 – 14 h *Special Session: GRBIO*

Chair: Lupe Gómez

- Àlex Sánchez-Pla, Miquel Salicrú and Jordi Ocaña: "Integrative Analysis of Omics Data using Functional Profiles"

- Esteban Vegas and Josep M. Oller: *"Enhanced plotting in Data Analysis"*

- Carles Serrat: *"Joint Models for the analysis of time-to-event data with longitudinal information"*

14 – 16.30 h *Lunch*

16.30 – 17.30 h *AMyC Group Meeting and Closing*