

Week-CoDaCourse 2023

por webadmin - jueves, diciembre 22, 2022

<http://www.biometricsociety.net/2022/12/22/week-codacourse-2023/>

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When: 3-7 July 2023

Where: Girona, Spain

Compositional data (CoDa) consist of multivariate data carrying relative information, such as those referring to chemical or nutritional compositions, time-use behavioural patterns, microbiome species distributions, multiparty electoral data, investment portfolios and similar. The particular features of CoDa as parts of a whole require a coherent approach to statistical analysis that takes into account the very own nature of the data and facilitates meaningful interpretations of the results.

This course provides an introduction to the methodological and practical aspects of the statistical analysis of CoDa, as well as an informal forum for discussion. The lectures review the fundamentals and the current state of the art in the field. The practical sessions focus on the application of CoDa techniques and their interpretation using current software packages. An open discussion session is also planned. The attendants are encouraged to bring their own research problems and data sets for discussion.

Both statisticians and applied scientists dealing with CoDa in any field of knowledge are strongly encouraged to attend. As background it is recommended to have taken a one semester undergraduate course in statistics and mathematics. Basic knowledge of multivariate data analysis will be also beneficial.

The course is organised by the Research Group on Compositional Data Analysis of the Department of Computer Science, Applied Mathematics and Statistics of the University of Girona. The course is accredited by the International Association for Mathematical Geosciences (IAMG) since 2011 and by the CoDa-Association since 2017. Discounted fees are available for students and members of the CoDa-Association and the Spanish Society of Statistics and Operations Research (SEIO).

The course will be held at the premises of the University of Girona, obeying all current regulations to prevent the spread of COVID-19. The number of attendants is limited to 30.

For your spare time, note that Girona is a beautiful and well-connected small city nearby the Mediterranean sea, offering excellent local amenities and possibilities for sightseeing, cultural activities and entertainment; accompanied by first-class gastronomy (<https://www.girona.cat/turisme/eng/>). The province of Girona is home of the renowned Costa Brava, with astonishing mountain and coastal landscapes at short distance from the capital city.

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Webmaster CoDa Association

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<http://www.coda-association.org>
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