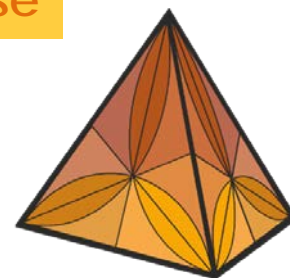


9th Course and Open Seminar on Compositional Data Analysis



This year, the **5-day course** on compositional data analysis is also an ECAS (European Courses in Advanced Statistics) and SEIO (Sociedad de Estadística e Investigación Operativa) course. It will be imparted at the University of Girona (UdG).

Compositional data (CoDa) are vectors whose components show the relative importance of some parts of a whole. Typical examples are data presented in percentages, ppm, ppb, or the like. Aitchison introduced the logratio approach to analyse CoDa back in the eighties. Since then, progress has been done in understanding the special geometry of their sample space, the simplex.

This CoDaCourse provides an **introduction to theoretical and practical** aspects of the statistical analysis of CoDa, as well as an **informal discussion forum on more advances topics**. In the theoretical sessions, the current state of the art in this field will be presented. In the practical sessions, CoDa techniques are applied using the available **software CoDaPack** and **R**. An **open discussion** session is also planned. We encourage you to bring your own data!!!

The following **topics will be covered**:

- Hypothesis underlying the statistical analysis (sample space, scale).
- The Aitchison geometry on the simplex.
- Coordinate representation; distributions on the simplex.
- Exploratory analysis (centering, variation array, biplot, balances-dendrogram).
- Irregular data: zero values, outliers and missing data.
- Introduction to multivariate analysis: regression, manova, cluster and discriminant.

Organized by:
Dpt. Computer Science, Applied Mathematics and Statistics
University of Girona
Campus Montilivi, P4
E-17003 Girona (Spain)



Supported by:



Recommended background:
First semester courses in statistics and knowledge in multivariate statistics.

Course Seats limited!!
Special Fees for Students and CoDa-Association/SEIO members

How to apply: visit www.compositionaldata.com and fill in the form at the CoDaCourses menu



The registration is now OPEN!!

Officially accredited by:

CoDa Association



Promoted by:



Course may get cancelled if registered students are less than 5

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