

Comments of our students:

Recommended background:

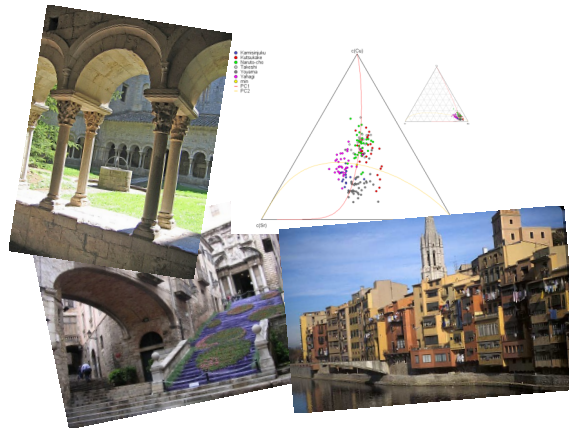
First semester courses in statistics, algebra and calculus; basic knowledge in multivariate statistics.

How to apply:

Register on the website: www.compositionaldata.com and fill in the form from the CoDaCourses menu.

Class size is limited!

Special prices for students and SMS members



My academic view of data handling is now divided into B.C. and A.C. (Before CoDa, and After CoDa).
Patricia. University of Bonn.

I hope we will exchange our experiences in this emerging field.
Antonio. Instituto de la Grasa.

For sure, now I have becoming a CoDa fan.
Miguel. Universidade da Coruña.

After the huge amount of information we received, we will continue practicing!
Berta. Universitat de Girona.

Thank you for organizing the coda course, it was a great experience.
Nur. Universiti Kebangsaan Malaysia.

Visit
the web:



Course and Open Seminar on Compositional Data Analysis



UNIVERSITAT DE GIRONA

Girona, Spain

1-5 July 2013

Officially accredited by IAMG



Supported by SMS



Dpt. Informàtica i Matemàtica Aplicada
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A short course on compositional data analysis will be imparted at the premises of the University of Girona (UdG).

Objective: To provide an introduction to the theoretical and practical aspects of statistical analysis of compositional data, as well as an informal discussion forum on more advanced modelling topics.

Contents: Compositional data are vectors which 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 log-ratio approach to analyse CoDa back in the eighties. Since then, progress has been done in understanding the geometry peculiar to their sample space, the D-part simplex. This course will present the current state of the art in this field of active research and will cover the following topics:

1. Hypothesis underlying statistical data analysis (sample space, scale).
2. The Aitchison geometry of the simplex.
3. Coordinate representation; distributions on the simplex.
4. Exploratory analysis (centering, variation array, biplot, balances-dendrogram).
5. Linear processes in the simplex; regression.
6. Irregular data: missing data, zero values, and outliers.
7. Introduction to multivariate analysis: cluster and discriminant.

The above topics will be completed with an introduction to available software and an open discussion session. Bring your own data!