



MODULE 2

Applied Statistical Methods with R: Analysis of Variance

19-20 March 2018 | 9h30-17h30

i3S - Instituto de Investigação e Inovação em Saúde

This course is the second module of a series of modules in statistics applied to the life sciences.

The aim of this course is to learn and apply statistical methodologies that can be used during many stages of the experimental process. The use of these techniques will assure that experiments are conducted in a logical and efficient way, which should result in reliable and reproducible decisions. A range of studies design will be addressed in this course, including block, factorial, nested, split-plot, crossover, and repeated measures. Alongside each design, techniques will be presented to analyze the experimental data, such as analysis of variance (ANOVA), fixed and random effects models, repeated measures, and analysis of covariance (ANCOVA).

Understanding these methodologies can provide researchers with tools to help them reach valid conclusions, and refine the experimental process

COURSE ORGANIZERS / RESPONSIBLE LECTURER

i3S Statistical Support Team / Carla Maria Oliveira (i3S/INEB)

SOFTWARE: This course uses R and RStudio (free statistical software)

LANGUAGE: Portuguese

COURSE FEES:

i3S members, students – 90 euros

i3S members, students with module I certificate – 75 euros

non i3S members – 110 euros

non i3S members with module I certificate – 95 euros

LIMITED REGISTRATION: 25 participants

ADVANCED TRAINING UNIT

REGISTRATION & MORE INFO AT:

www.ineb.up.pt

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