MULTIVARIATE STATISTICS WITH *R* FOR BIOLOGICAL SCIENCES

CIIMAR

Course program
16 hours; 20 – 23 July 2020

Session 1. 10:00 – 14:00 h (break from 11:45 to 12:15h)
      1.1 Introduction
      1.2 Principal components analysis
      1.3 Factor analysis

Session 2. 10:00 – 14:00 h (break from 11:45 to 12:15h)
      2.1 Correspondence analysis
      2.2 Canonical correlation analysis
      2.3 Redundancy Analysis

Session 3. 10:00 – 14:00 h (break from 11:45 to 12:15h)
      3.1 Canonical Correspondence Analysis
      3.2 Exercises
      3.3 Multidimensional scaling

Session 4. 10:00 – 14:00 h (break from 11:45 to 12:15h)
      4.1 Cluster analysis
      4.2 Discriminant analysis
      4.3 Exercises

Classroom: CIIMAR, 1st floor

Docent: Aldo Barreiro Felpeto. CIIMAR.
Price: 100 € (CIIMAR/UP members) 120 €/week others.
Registration: after announcement, up to fill 20 available positions.
Registration, together with the payment information, is available in the CIIMAR website, through the link that is sent with the e-mail announcing the course.
Proof of payment required to book the place (send proof to aldo.barreiro@gmail.com).
Right after affective registration, a confirmatory e-mail will be sent.
Minimum audience required: 5 registrations 2 weeks before the course.

Important additional information:

- The course will be taught in English.
- At least beginner R user level is recommended.
- Students will need to use their own laptops for the course.
- All the information and materials necessary for the development of the course (instructions to install R and R packages, pdf with lessons content, scripts with examples and exercises, data for examples and exercises) will be made available for all the participants in the course through a link to the Open Science Framework website platform.

Contact: aldo.barreiro@gmail.com