



PRESENTS

# BASICS OF BIOSTATISTICS

Statistical Analysis applied to Research Data

Apply by 1st April 2022

**Teacher: Hafid Laayouni - UPF**

**Duration: 10 sessions (14h theory + 6 h practicals) + optional practical classes**

**Schedule: 22nd (April 9:00-12:00h) to - 1st July 2022 - Fridays 10:00-12:00h**

**Requirments: Basic R programming skills**

- **T01. Introduction. Descriptive statistics. Probability and distributions. Sampling distribution. Confidence intervals**
- **T02. Hypothesis testing. The t-test**
- **Practical 01. Exercises and hands on sessions T01-T02**
- **T03. Analysis of variance. One-way ANOVA**
- **T04. ANOVA. Multiple comparison procedures. Two way ANOVA**
- **Practical 02. Exercises and hands on sessions T03-T04**
- **T05. Correlation and regression**
- **T06. Multiple regression analysis. Partial correlation**
- **Practical 03. Hands on sessions T05-T06**
- **T07. Effect size, and a summary of inference methods**

Contact [training@crg.eu](mailto:training@crg.eu)

More information

