



# Statistics



## Présentation

### Description

Starting from scratch for analysing biological data: describing, testing and modelling simple experimental protocols;

Getting to know fundamental properties of linear models dealing with simple regressions and simple ANOVAs;

Incorporating into models the essence of biological data: co-linearity, dependence, spatial structure, laws that are not normal....

Representing data and results from models.

### Objectifs

Being able to build an experimental protocol or field observations that match a biological question;

Being able to build a model to analyse biological data with all their imperfections;

Being able to understand the protocols and models published in recent papers;

Being able to build a figure answering the biological questions with statistical tools.

fearless about mathematical notations

any experience with R is a bonus

### Contrôle des connaissances

Contrôle continu intégral : 100%

### Informations complémentaires

Volumes horaires:

CM : 12 h

TD : 9 h

TP : 0 h

Terrain : 0 h

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SPS : 0 h

Séminaires : 0 h

Hors UM : 0 h

### Infos pratiques

### Pré-requis nécessaires



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## Contacts

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