

Modules	Contents	Module Leader	Proposed dates
<u>Module 1</u>	Presentation of course structure. Software download. Developing/importing a database. Identification by students of the types of data they possess and the study objectives in order to identify the varying levels of detail expected for the different statistical analysis proposed.	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	15 Junho 26 17-21h
<u>Module 2</u>	Descriptive statistics: types of data and variables; location and dispersion measures. Plots. Inferential statistics: confidence intervals and hypothesis testing.	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	19 Junho 26 17-21h
<u>Module 3</u>	Time-series analysis	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	20 Junho 26 9-13h 14-17h
<u>Module 4</u>	Regression models: linear and logistic regression.	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	22 Junho 26 17-21h
<u>Module 5</u>	Data modelling. Sensitivity analysis.	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	26 Junho 26 17-21h
<u>Module 6</u>	Factor analysis and reliability analysis	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	27 Junho 26 9-13h 14-17h
<u>Module 7</u>	Survival analysis: Kaplan-Meier estimation. Cox regression.	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	29 Junho 26 17-21h
<u>Module 8. Final evaluation</u>	Presentation of analysis conducted independently by students and discussion of its interpretation and eventual limitations.	Filipa Alves da Costa (FFUL)/Tiago Domingues (FCUL)	30 Junho 26 17-21h
	Final evaluation: Written assessment		