Syllabus

Behavioral and Digital Economics for Effective Management (BDEEM)

Course title	Data Analysis/Softwares
Teacher	Emmanuel Peterle
shared course	☑No ☐Yes,
Hourly volume	18HCM + 6HTD
Evaluation methods	Home assignment (Individual)
Course summary	This course seeks to present students with the basic programming knowledge needed to conduct professional data analysis. Applications will be performed on the R software. The course is separated in two parts. First, we familiarize with the R Studio interface, and explore the different packages that facilitate data cleaning and the constitution of a solid data structure. Second, we provide applications, tightly related to the *Econometrics* course, of well-known statistical methods.
Course knowledges	Students should develop the ability to: - Recognize a clean data structure and be able to organize a dataset so that it can be exploited. - Use different visualization tools to provide a clear understanding of the data. - Perform and interpret a complete statistical analysis, starting from an economic problem. - Write a clean code that can be used by coworkers in the workplace.
General skills	Statistical analysis, R software and R Studio, data Visualization, application of econometric methods, redaction of a statistical report.
Specific skills	Tidyverse package, ggplot, multiple linear regression models.