Schedule for the Module MOD3 "Advanced data analysis" Noël Juvigny-Khenafou & Ralf B. Schäfer, University Koblenz Landau 2020/21

Date	Торіс
5/11/20	Introduction (overview of tools), Software installation and Software tools I (Version control: GitHub in R Studio and Shell, R Markdown & Latex 33 min)
12/11/20	Software tools (Introduction to Python) & GIS cloud computing (GEE and AWS)
19/11/20	Working with server and relational databases, PostGIS
26/11/20	Introduction to Bayesian methods
10/12/20	Review session OPTIONAL
10/12/20	Complex study designs: Linear and Generalized linear mixed models
17/12/20	Nonlinearity, time series and GAMs
07/01/21	Overview advanced methods multivariate analysis (Copula-based methods, CAO, mvGLMs)
14/01/21	Neural Networks and deep learning
After the 14	Individual Project