科目ナン	バリング	U-L	.AS30 2	0038 SE10									
授業科目名 < < < < < < Programming Practice (R)-E2 :For managing and analysing data Programming Practice (R)-E2 :For managing and analysing data担当者所属 職名・氏名 職名・氏名農学研究科 教授 Daniel Epron													
群	情報学科目	目群		分野 (分類) (各論	i)			1	使用言語	語	英語	
旧群	単	位数	2単位	週コマ数	ġ 1⊐ ⁻	र	授業	铲態	演習	(対面	授業	(科目)	
開講年度・ 開講期	2025・後	期	曜時限	月5		配当	é 学年	= 主として	1・2回生	封象 対象	学生	と 全学向	
[授業の概要・目的]													
R is a programming language whose purpose is to be able to process and organize data sets, and to represent these data graphically. Since the two last decades, R is widely used by scientists worldwide for data management and statistical analyses. This course aims to get students to start using R for analysing data and interpreting the output of basic statistical tests. Classes are taught in the form of practical exercises on computers.													
[到達目桃	票]												
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Course scl 1. Introduce 2. object in 3. data france 4. Descripe 5. Programe 6. Study of 7. Importia 8. Importia 9. Linear 11 10. Importia 11. Linear 12. Improvia 13. Analysis	hedule: ction n R: vector me -import otive statistin nming with of the distril ng, managi model: line ting, managi model: line ting, managi model: an ving the qu sing a datas	rs, matriting datics ics in R and bution ing and and and ar regriging and alysis of ality of set: bui	ix, func ta l randon of quant l analysi l analysi ession id analysi of variar f graphi ilding th	n numbers titative variab ng data (1) ng data (2) sing data (3)	ntation over	report ((1)						

Programming Practice (R)-E2 :For managing and analysing data(2)

[履修要件]

All students are welcome

Students will have to bring their own laptops to use in class that they will also use for homework. Students have to download and install R software and R-studio software before starting the course.

[成績評価の方法・観点]

Grading: Homework (three to five, 50%), script and report based on the final exercise (50%). In no case will English language proficiency be a criterion for evaluating students.

Class attendance is expected: students who are absent more than three times without sound reasons (documented unavoidable absence) will not be credited.

[教科書]

Lecture notes will be provided before the class and R scripts will be provided after each class (uploaded on PandA).

[参考書等]

(参考書)

An Introduction to R (https://cran.r-project.org/manuals.html)

[授業外学修(予習・復習)等]

Work not finished in class time should be finished at home. Self-training is recommended: exercises will be provided.

[その他(オフィスアワー等)]

Students are encouraged to ask questions and to make comments during the class.

Students are welcome to arrange appointments by email, even outside the official office hour, for questions and discussion

[主要授業科目 (学部・学科名)]