



Learning Resources & Coding Lab

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EMOS Learning resources





BOOK PAGE

EMOS Learning resources

The aim of the learning material provided here is to allow students to explore knowledge independently or in groups and put their knowledge into practice. The purpose is also help teachers in planning the structure of their lectures as well as adapting their teaching to different learning styles and capabilities of the students.

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EMOS Courses

- System of official statistics
- Confidentiality issues
- Sampling and survey methodology
- Small area estimation
- Spatial statistics
- Statistical thinking and smart data
- Time series
- Data visualisation
- Experimental statistics
- New dissemination strategies
- New trends in dissemination
- Social media

Course Outline

The course aims to review the main Small Area Estimation Methods. The first part of the course will be devoted to reviewing the classical inference approach. Then, the main Small Area Predictors based on Small Area models will be introduced with some examples for estimating poverty indicators at the local level. Moreover, a practicum on how to apply basic small area estimation methods in R is proposed.

Files description

<u>Slides + comments</u>: folder containing the pdf presentation and the comments to the slides

<u>Practicum</u>: folder containing the application with R and the corresponding data

Quiz: multiple choice quiz to be used for evaluation

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EMOS Coding Lab 2024

Statistics Explained through literate programming 2024



