

# MH3511

# Data Analysis with Computer

Information for Project Work

AY 2023/24 Semester 2



# Information for Project Work (20%)

Due Date: 14 April 2023, 23:59pm Sunday (Week 12)

- Form your own group of 5 students
- Fill in the form:  
[https://docs.google.com/spreadsheets/d/19Vt5pP94zSGQclBr1sjf\\_5hM5noBDI9JfyCFjU5dr28/edit#gid=0](https://docs.google.com/spreadsheets/d/19Vt5pP94zSGQclBr1sjf_5hM5noBDI9JfyCFjU5dr28/edit#gid=0)
- Download a relevant dataset from public websites.
  - › Eg. Within R package, in the Environment tab, select: package:datasets
  - › Need to have at least five variables, a mix of different types.
  - › Set your objectives: Estimation? Testing? Comparison?
  - › Plot some graphs, check for assumptions, what is the best approach?
  - › Perform analyses.
  - › Conclusion.
  - › Write a report of 15 pages or less, excluding R code and appendix.
- Sample report: “MH3511 Sample Project Report.pdf”

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The assessment of the project is based on the following:

- Understanding of the dataset (what the data measure, type of data, etc.)
- Objectives of the project (what are the questions to be answered)
- Checking of assumptions (exploring the data, etc.)
- Performing appropriate tests
- Drawing conclusions (interpretation of results)
- Presentation of information (appropriate tables, plots and figures)
- Report writing