

## LAB SESSION 7

### Outline of lab session:

- follow-up from Lecture 7: model specification (7L–14) with continuous predictors,
- review and demonstrations of examples from lecture (from slide 7L–9),
- you work on the exercises on your own,
  - \* GO problems: 8.1 (p.166/198), 8.3 (p.199); add7:4,7 (add7:1; GO: 8.7 (p.202))
  - \* note suggested order!
- discussion of project and/or course topics,
- home assignment 2 returned.

### What you should be able to do after today's session...

- \* recognise experimental designs: determine factors, balancedness and incompleteness, and formulate appropriate statistical models,
- \* analyse factorial models using all relevant tools of general linear models (e.g., residuals, transformation, contrasts),
- \* assess the statistical significance of and explore interactions between two (or more, less commonly) factors.