

NOTES FOR EXERCISES IN SESSION 7

- * review exercise: GO P8.1 (p.198),
- * GO P8.3 (p.199); add7:4; add2:12 (add7:1; GO P8.7 (p.202); exam2007:2),
- * perhaps also exercises from previous sessions.

Schedule today:

- review exercise, and review of some examples from lecture (7L–9) + notes (7L–13/14), incl. Stata code,
- discussion of project and/or course topics,
- you work on the exercises on your own.

Software notes:

- Minitab: Stat-ANOVA-General Linear Model menu, with graphs, least squares means and multiple comparisons,
- Stata: `anova` command (see do-files),
- SAS/R: `glm` procedure/`lm()` function (as we've used before),

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.