

## NOTES FOR EXERCISES IN SESSION 7

- \* review exercise: add7:1,
- \* GO P8.3; add7:4 (exam2007:2; GO P8.7; add7:9),
- \* perhaps also exercises from previous sessions.

### Schedule today:

- review exercise, and added review of examples from lecture (7L–9),
- 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),

### Other news:

- home assignment 3 (for all) posted, due Monday 3/3.

### 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, in rare cases) factors.