

NOTES FOR EXERCISES IN SESSION 11

- 13:3,4,19,**31**; 26:7,8,33,**37**; 28:4,**14**; 11:15,16,17; **final2013:2**
home2003:4; (11:6,45; 13:15,16; 26:17,18,19),
- no summary worksheet for the lab review,
- individual work on exercises + time for questions on 4th home assignment (and on 3rd home assignment returned today).

Minitab for 2-way ANOVA and regression¹:

- 2-way table of descriptive statistics using
Stat-Tables-Descriptive Statistics,
enter outcome in submenu Associated Variables,
- brief analysis for balanced data: Stat-ANOVA-Balanced ANOVA,
and Main Effects and Interaction Plots menus based on means,
- detailed analysis: Stat-ANOVA-General Linear Model, giving
 - * estimates and means with SEs (choose in Options submenu),
 - * extra menus for Comparisons, Predict, Factorial Plots,
- multiple regression (also) from Stat-Regression menus.

Notes and questions for specific exercises:

- 13.3, 13.4: we did part (a) in lecture 11, maybe limit to (b),
- 26.33: analyze also on square-root scale: compare the results and include a full post-ANOVA table analysis,
- home assign.2003:4: most detailed 2-way ANOVA examples in course,
- final2013:2 (recommended): exam question involving 2-way ANOVA.

¹ Stata: brief analysis by Stat-Linear Models-ANOVA-Analysis menu, using model formulae, or directly with `regress` and `anova` commands; for detailed analysis (Stata/R) see solution files.