

NOTES FOR EXERCISES IN SESSION 9

- 9:39,36,38,48,50,52; x:16; 9:40,20,44 (8:67,103; 9:62; final2013:1) — note suggested order!

Outline of lab session:

- lecture catch-up: 2×2 -tables, Fisher's exact test and Simpson's paradox (9L-4/14/15/16),
- Minitab software hints for 2-way tables¹: use menu
* `Stat-Tables-Cross Tabulation and Chi Square`,
- summary worksheet review (3:30pm): S.11:2,
- midterm returned, home assignment II on Thursday,
- individual work on the exercises.

Notes and questions for specific exercises:

- Don't forget the models and the conclusions! (2-way table analysis is more than computing the X^2 -statistic!)
- 8.103: an extra sample size problem, with a formula for two independent proportions.
- 9.20: try Fisher's exact test (using software), and compare with the X^2 -test,
- 9.36, 9.38: forget about the graphical displays,
- x.16: practice of model choice in 2-way tables.

¹ Stata: `Stat-Summaries-Frequency Tables-Twoway table/Table calculator`;
R functions: `xtabs`, `chisq.test`, `fisher.test`.