

NOTES FOR EXERCISES IN SESSION 7

- 8:21,84,1,85,62; x:14; 7:68; 27:8,19; x:15 (8:98; x:16; midterm 2014, **2013**) — note recommended order!
- use of software: necessary for Ch. 27 exercises, but for Ch. 8 exercises *only needed* for exact CIs & P -values,
 - * Proportions in Minitab¹: **Stat-Basic Statistics** menu; also useful: **Graph-Probability Distribution Plot** menu,
 - * Nonparametric methods in Minitab²: **Stat-Nonparametrics** menu.

Outline of lab session:

- relatively brief follow-up from lecture (7L–12/14/15),
- Minitab demonstrations (see above),
- summary worksheet (3:30pm): S.7:2(a); S.8:7,8,
- individual work on the remaining exercises.

Notes and questions for specific exercises:

- 7.68: problem should refer to 7.58 (data in `ex07_058.mtw`),
- 8.84, 8.85: compute both manually and using software (after deciding on the most appropriate method to use),
- x.16: calculate rank test statistic manually (not P -value!),
- midterm 2013: use for review after the other problems.

¹ Stata: `ci`, `prtest`, `bitest` commands; R: `prop.test`, `binom.test` functions — more details in solution program files.

² Stata: **Statistics-Summaries-Nonparametric** menu, or Stata/R: directly via commands (see solution programs).