

NOTES FOR EXERCISES IN SESSION 5

- 5:54,14,7; 6:13,14,33,45; x:10,11; 5:40 (5:9,59,64; 6:11,12; home assign.2013:1) — recommended order.

Outline of lab session:

- brief additional lecturing from lecture 5:
 - * approximation of binomial distribution by normal distribution (5L–7),
 - * confidence interval for population mean (5L–12),
- Minitab demonstration for confidence intervals:
using the menu: **Stat-Basic Statistics-1 Sample Z**,
- summary worksheet review (3:30pm): S.7:1(c,d),
- individual work on the exercises,
- time for questions on the first home assignment,

Notes and questions for specific exercises:

- 5.40: calculate both using the normal approximation and exactly in the binomial distrib. (with software),
- 6.13, 6.14: do calculations both by hand (calculator; the mean yield equals 123.80) and using software,
- x:10, x:11: two extra problems based on PSLs applets,
- home2013.1: included as practice (probability calculations in Q3 and Q4); data and solution at 2013 webpage.