

## NOTES FOR EXERCISES IN SESSION 5

- 5:54,14,7; 6:13,14,33,45; x:10,11; 5:40  
(5:9,59,64; home assign.2010:1) — recommended order.

### Outline of lab session:

- supplementary lecturing from lecture 5:
  - \* approximation of binomial distribution by normal distribution (5L-7),
  - \* confidence interval for population mean (5L-11/12),
- Minitab demonstration for confidence intervals:  
using the menu: **Stat-Basic Statistics-1 Sample Z**,
- summary worksheet follow-up (Chapters 5/6),
- individual work on the exercises,
- time for questions on the first home assignment,
- note: lab review Wednesday 1-2pm in 351S.

### 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 PLS applets,
- home2010.1: included as practice (probability calculations); data and solution at 2010 webpage.