

NOTES FOR EXERCISES IN SESSION 5

- 5:54,14,**7**; 6:13,14,**33**,45,87,140,70,**95**,68,103 (5:9,40; 6:11,12,46,85,96; x:10,11,12,**13**) — recommended order.

Outline of lab session:

- Minitab demonstration for confidence intervals and tests: using the menu: **Stat-Basic Statistics-1 Sample Z**,
- summary worksheets for the lab review: S.6:1(e); S.7:1(c,d),
- individual work on the exercises,
- time for questions on the first home assignment,

Notes and questions for specific exercises:

- 5.54: skip part b), or use the Appendix slide (5L–22),
- 6.13, 6.14: do calculations both by hand (calculator; the mean yield equals 123.80) and using software,
- 6.68: not a normal distribution problem, so use general testing principles instead,
- 6.95: see page 5L–19 on using confidence intervals for statistical tests,
- 6.140: use software (maybe also compute the test by hand), and state the assumptions of the analysis,
- x:10, x:11, x:12: extra problems based on PLS applets,
- x:13: extra problem included in the lab review (interpretation of tests).