

NOTES FOR EXERCISES IN SESSION 12

- 6:99,107,38,39,115; 8:33; 7:127; 12:35,36; x:23 (6:111; 7:129; 8:103; final2012:1,2; **final2014:3**) — only slight adjustments in order...

Outline of lab session:

- no summary worksheet for the lab review,
- individual work on exercises: a few on statistical inference and then on sample size, + general time for questions,
- questions/requests for last lecture?

Minitab for sample size and power:¹

- power and sample based on power:
Stat-Power and Sample Size menu.
- sample size based on precision:
Stat-Power...-Sample Size for Estimation menu.

Notes and questions for specific exercises:

- 6.38, 6.39, 8.33: sample size based on precision: use formulas/Minitab,
- 6.115, 7.127: sample size based on power: use software,
- 7.129: calculate for $n = 75$ only (and forget about the graph),
- 8.103: (extra) formula for sample size based on precision to compare two proportions,
- x.23: calculate by formulas in lecture (12L–11) or the Freecalc web interface (with $Se = Sp = 1$),
- some exam questions included on varied topics.

¹ Stata: From Stata 13 onward, use the menu **Statistics-Power and Sample Size**; R: **pwr** library, see solution programs.