

NOTES FOR EXERCISES IN SESSION 3

- 4:14,78; x:4; 4:26,48,122,75,76,71,107,9,92
(4:10,52,56,73,108,115,123; x:5,6); note recomb. order,
- again many extras \sim specific types of questions.

Outline of lab session:

- some lecturing: Transformations and Random variables (3L–15/16/17), incl. rules for mean and variance,
- Minitab demonstration — briefly (+ upon request?), because you won't really need Minitab today, except for 4.10 and perhaps as a calculator/graphing tool for some problems: 4.9, 4.48, 4.71, 4.75, 4.76, x.5,
- individual work on exercises,
- summary worksheet review (3:30pm): S.1:4; S.3:2, S.4:3;
- lab review session (optional): Tuesday at 1pm (278N).

Notes and questions for specific exercises:

- 4.9, x.5: use PSLS *Probability* applet via course webpage link; in 4.9, use $n = 15$ instead of $n = 20$,
- 4.48: produce also a graph for the distribution,
- 4.76: skip entirely the calculation of stand. deviation,
- 4.107, 4.108, 4.115, 4.123: on conditional probability,
- x.4: postpone part (c) to next week,
- x.6: funny story/problem if you haven't seen it before.