

LAB SESSION 3

Outline of lab session:

- some lecturing: Linear transformation, Random variables and Rules for mean and variance (3L–15/16/17),
- no Minitab demonstration planned — any requests? 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, x.5,
- individual work on exercises:
4:14,78; x:4; 4:26,48,122,75,76,71,107,92,9
(4:10,52,56,73,108,115,123; x:5,6; AI:4); note order!
* again many extras ~ specific types of questions.
- summary worksheets (for lab review): S.1:4; S.3:1, S.4:1.

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, 4.71, 4.75: data files provided (optional to use),
- 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.