

## NOTES FOR EXERCISES IN SESSION 7

- 7:58,59,143,145,91,102,103,104; 8:21,84,1,85,62; x:13  
(7:66,93,132; 8:98; midterm 2013)
- use of software: recommended for all Chapter 7 exercises, but *needed* for Chapter 8 exercises only for exact CI or exact  $P$ -values,
  - \* Minitab<sup>1</sup>: from **Stat-Basic Statistics** menu,

### Outline of lab session:

- review of methods for 1 and 2 proportions (7L–12/.../16),
- individual work on the remaining exercises.

### Second home assignment (posted sometime over weekend):

- for 15% of course mark, covers Sessions 1-7, due Oct 24.

### Notes and questions for specific exercises:

- 7.145: note that after log-transformation, the back-transformed estimate and confidence interval are for the median, not the mean (lecture slide 7L–3),
- 7.132: critique the quoted description of the analysis,
- 8.84, 8.85: compute both manually and using software (after deciding on the most appropriate method to use),
- midterm 2013: use for review after the other problems.

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<sup>1</sup> Stata: `ci` and `ttest` commands, or **Statistics-Summaries...-Summary...** or **-Classical tests...** menus; R: `t.test` and `prop.test` functions — more details in solution program files.