

## NOTES FOR EXERCISES IN SESSION 7

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

### Outline of lab session:

- review of methods for 1 and 2 proportions (7L–11/.../15),
- summary worksheet review (3:30pm): S.7:2(a); S.8:9,
- individual work on the remaining exercises.

### 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),
- 7.102, 7.103, 7.104: you may do 7.58 and 7.59 first, if helpful as a review of 1-sample inference,
- 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.