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JOHNS HOPKINS
BLOOMBERG
SCHOOL of PUBLIC HEALTH

Lecture 3h: Practice Problems

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Practice Problems

1. In a study of patients hospitalized after myocardial infarction and treated with streptokinase, 2 of 15 patients died within 12 months.
   a) Calculate by hand an approximate 95% CI for the one-year mortality rate (proportion) using the CLT based approach
   b) How does the interval in part a compare to the exact interval estimated by Stata?

Practice Problems

2. Devise a one sentence “recipe” for calculating an approximate 95% CI for a parameter, whether it be a proportion or a mean (assume a large sample) using the results from a single random sample.