

STA13B – Fall 2007

Final Key Words (Ch. 9-11)

The following key words should help you prepare for the final. For Ch.1-8, see key words from the midterms. The keywords are listed by the chapter in which they are first introduced. Most concepts apply to both the mean and the proportion. This is not a comprehensive list. It is possible that something not listed here will be on the exam.

Chapter 9

Point estimate
Confidence Interval (interval estimate)
Unbiased
Efficient
Confidence level
Critical value
Standard error
Bound on error of estimation
Sample size calculations
Properties of the t distribution
Degrees of freedom

Chapter 10

Null and alternative hypotheses
Type I and Type II error
Significance level
Power
One-sample z and t tests
Test statistic
P-value
Rejection decision
Tails of distributions (upper-, lower-, and two-tailed tests)
The 9-Step procedure
Rules of thumb for one-sample tests and CIs

Chapter 11

Independent vs. paired samples
Difference in means or proportions (and their sampling distributions)
Two-sample z and t tests
Combined estimate of population proportion
Rules of thumb for two-sample tests and CIs