

Preparing for Exam #2

Exam #2 will cover all of statistical inference, including: inferences about the mean (μ), inferences about the proportion (P), estimation and hypothesis testing using the z statistic, estimation and hypothesis testing using the t statistic, one-tail tests, two-tail tests, one-sample tests, two-sample tests, sample size determination.

Much of the exam will be in multiple-choice format (you will still have to show your work). In addition, there will be some questions for which you will be asked to write out complete problems. Remember that if you omit a critical part of the problem (for example, statement of the hypotheses) in several questions, you will be penalized each time. Don't let sloppiness cost you a good grade on this exam. A sample worked out problem, showing all the required work, is available here [\[http://stats.proffriedman.net/pdfs/HypothesisTesting_SampleProblem.pdf\]](http://stats.proffriedman.net/pdfs/HypothesisTesting_SampleProblem.pdf).

Bring calculators and something to write with. You will be provided with the formulas and tables packet and scrap paper.