

## Preparing for Exam #2

Exam #2 will cover all of statistical inference, including: inferences about the mean ( $\mu$ ), 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.

This exam will not be in multiple-choice format. You will be asked to write out complete problems in estimation and hypothesis testing. 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.