Authors: MELO 3D Project Team, 2011

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Future Goals in Statistics

James Henderson & Josh Errickson

University of Michigan, Department of Statistics

June 30, 2011
Stats 250 - Introduction to Statistics and Data Analysis

- Weekly pre-labs that include videos on how to use SPSS or an LO, including very good wrappers
- Sporadic in-class LO usage, with little-to-no wrapping beyond GSI instruction
- Several unorganized review LO’s that only extremely ambitious students use
Future Goals

1. Find and wrap LO’s for all topics
   - Link to old practice exams
   - Provide a list of topics and LO’s to visualize

2. Name that Scenario
   - We have created a new LO that lets students see a description of a problem and attempt to determine which scenario (statistical test) is best to apply.
   - We have the framework, we are collecting content for questions, but we want to wrap it for usage during the current Summer semester.
   - By fall, we hope to be able to incorporate it seamlessly into the course.

3. Formalize the inclusion of LO’s created in-house
   - Need to wrap an existing LO (on visualizing pvalues)
   - Write and wrap an LO for visualizing duality between confidence intervals and hypothesis tests

4. Keep a lookout for LO’s that could be useful in upper level classes