Lecture Overview

Last Time

• Begin decision theory
  – Target and sample populations
  – Sampling bias
  – Central limit theorem
  – How to use for inference

This Time

• Finish decision theory
  – Hypothesis testing
  – Types of errors
  – Small sampling techniques
  – Parametric versus nonparametric

Miscellaneous

• Feedback on Monday’s lecture encouraged (email, break, office hours, after class)
• Homework 1 due today — can turn in early this evening
  – Solutions available in my office
• Project proposal due next Monday
• 1 page with the following required elements
  – Problem definition and context
  – Significance
  – Data collection or source
  – Proposed methodology
  – Expected quantitative results
• Homework 2 posted (final version)