

SCC Fall 2009 Free Clinics Brown Bag Series

Participants should be familiar with basic statistical terminology and methods.
Topics are subject to change.

CLINIC 1 Outline

Working with One Variable: Descriptive Statistics, Graphical Techniques and Hypothesis Tests

Friday, October 16, 2009 (10:00am – 1:00pm)

Instructors: *Orta/Cano*

TOPICS (approximately 15 minutes each):

- Research data, a brief intro
- The importance of defining population and hypothesis
- Data types – continuous vs. categorical
- Methods flow chart (one variable)
- Categorical data – frequency tables and bar charts
- Continuous data – when to categorize
- Continuous data – number summaries, pie charts, histograms and boxplots
- Special - time plots, interpolation: line or smooth
- One sample hypothesis tests – means and proportions
- Two-sided vs. one-sided tests
- Exercise: Interpreting results from a newspaper
- Review