

SCC Fall 2009 Free Clinics Brown Bag Series

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

CLINIC 2 Outline

Working with Two Variables: Data Summaries, Graphical Techniques and Common Hypothesis Tests

Friday, November 13, 2009 (10:00am – 1:00pm) ****tentative**
Instructors: *Orta/Cano*

TOPICS (approximately 15/30 minutes for each main topic):

- Research data – grouping, relationships, examples
- Methods flow chart
- Categorical – Categorical:
 - Contingency tables, frequencies and percentages
 - Segmented bar graphs
 - Common hypothesis tests
 - When common tests are not appropriate, some alternatives
- Categorical – Continuous: Group differences
 - Tabular summaries
 - Side-by-side graphics
 - Common hypothesis tests: t-test, anova
 - When common tests are not appropriate, some alternatives
- Continuous – Continuous: Correlation
 - Scatterplots
 - Linear relationships, regression
 - Correlation, what it is and what it is not
 - Common hypothesis tests
 - When common tests are not appropriate, some alternatives
- Review and methods flow chart - extended