

Workshop: Statistics and the Thesis

(Friday, October 3, 2008, 2:30-4:00pm)

Introduction

FREE! Services provided by the Statistical Analysis Group

- . Reviewing surveys ***before*** using them for research (give examples)
- . Keying the data from paper surveys (mention online survey option)
- . Programming support using SPSS and/or Minitab
- . Assistance with statistical analysis and interpretation (if needed)

Useful tips

- . Contact us early (before survey is finalized)
- . Decide who your audience is and how you will contact them (e-mail, online, US mail)
- . Allow a reasonable time for response
- . Anticipate a 30-40% response rate unless you have a very select group
- . Allow 2-3 weeks from when data is collected before data is keyed and analysis is run

Types of studies defines type of analysis needed

- . Descriptive: means, frequencies, standard deviations, median, mode, graphs, 2-way tables
- . Comparative/Inferential: t-tests, analysis of variance, Tukey analysis, Chi-square analysis, regression, correlation

Demonstration

- . Online survey (SurveyMonkey) (demo an online survey)
 - Types of questions:
 - . multiple choice w/ n responses
 - . fill in the blank (age)
 - . categories w/ ranges (income)
 - . statement w/range of agreement
 - . open-ended
 - . check all that apply
- . Minitab (for do-it-yourselfers) - also SPSS
 - Workshops
 - Availability (+ \$30/semester to rent Minitab)

