

Workshop: Statistical Consulting & Research Center

(Thursday, February 23rd, 2011, 11:00am)

Introduction

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FREE! Services provided by the Statistical Consulting & Research Center

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

Useful tips

- . Follow ***Six Steps for Successful Surveys*** (see handout)
- . Present survey examples – good and bad
- . 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
- . Paper surveys: Allow 2-3 weeks for us to key & analyze data;
Online surveys: allow a minimum of 5-10 days for people to respond before you gather the data; then approx. 5 days to complete analysis

Types of studies defines type of analysis needed

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

Demonstration

- . Online survey (SurveyMonkey) (demo an online survey)
Types of questions:
 - . Multiple choice w/ n responses . Statement w/range of agreement
 - . Fill in the blank (age) . Open-ended
 - . Categories w/ ranges (income) . Check all that apply***(mutually exclusive and collectively exhaustive!)***
- . **Minitab** (for do-it-yourselfers)
Demo software (hands-on exercises via handout)
Availability: (6 mos. rental: \$30)(12 mos. rental: \$50)(Perpetual license: \$100)
(Minitab.com)
- . **SPSS** (also for do-it-yourselfers)
Availability: Contact SCSU Computer Store (Miller Center basement)
- . Demonstration of data analysis using a recent project
 - . Getting data ready for analysis
 - . Analyzing the data to answer research questions
 - . Interpreting the statistical analysis