

## Lab Exercise #1 Working with SPSS for Windows

### Tutorial Objectives

- 1) Learn how to create, import, and manipulate SPSS data
- 2) Learn SPSS terminology—cases and variables
- 3) Learn how create new variables in SPSS
- 4) Learn SPSS terminology—cases and variables, SPSS data editor, and SPSS Output viewer
- 5) Learn how to open and manipulate SPSS data files
- 6) Explore and describe data (variables)

Using the SPSS data set from the Anchorage Parks and Open Space survey, answer the following questions:

1. What types of parks and recreation facilities do Anchorage residents think are most needed in their area? a. Alternatively stated, what is the frequency of item responses to Q-5?
2. Graph the responses to Q-5 using:
  - a. a histogram
  - b. bar chart
  - c. pie chart.
3. How would you describe the age (Q-30) of the survey participants?
  - a. What is the mean age and standard deviation?
  - b. What is the median age?
  - c. What is the standard error?
  - d. Who was the youngest respondent?
  - e. Oldest respondent?
  - f. Is the age distribution positively or negatively skewed?
  - g. Graph a histogram of age.
  - h. Does age appear to be normally distributed?
  - i. How do you know?
  - j. What is the average age for males?
  - k. For females?
4. a. What are the 5 most important recreation facilities or activities (Q-2, Part A) for Anchorage residents?
  - b. What are the 5 least important recreation facilities or activities?
  - c. What are the 5 facilities or activities are Anchorage residents more satisfied with (Q-2, Part A)?
  - d. What 5 facilities or activities are Anchorage residents most satisfied with (Q-2, Part B)? [Caerful: What do you think should be done with the “No basis to judge responses”?]
  - e. What 5 facilities or activities are Anchorage residents least satisfied with (Q-2, Part B)?
5. Knowing how much developed versus undeveloped parkland to provide is an important issue for a community.
  - a. Using SPSS, describe the distribution of responses of Anchorage residents to questions about the amount of developed (Q-9) and undeveloped parkland in Anchorage.
  - b. Do men and women think the same way about these issues? Support your answers.