

## **Lab #9 - Part I: Entering/Analyzing Your Data and Interpreting Your Results**

### **Purpose:**

The purpose of today's assignment Part I is for your team to enter the data for your research study project.

### **Your team task:**

- As a team, enter the data from your participant responses as per your spreadsheet from your LAB\_07 assignment and the feedback provided to you on the assignment.

### **General Guidelines:**

- We recommend one person reading the data off from the paper copy and a second person entering it into your spreadsheet from your LAB\_07 assignment.
- Then have a different person read the data off from the paper copy and a different person check the data entry.
- **THIS IS YOUR DATA!** It is extremely important that it is entered correctly. The results of your research study depend on accurate data entry. We cannot stress the importance of this step enough. It is well worth the time and effort to double or even triple check your data entry at this stage, before proceeding to any analysis.

### **Documents to refer to / Template to use:**

Your completed participant sheets will be returned to you at the beginning of this Lab 9 class. Refer to guidelines here, your LAB\_07 assignment, and the feedback your professor or graduate co-instructor provided to you regarding your LAB\_07 assignment.

### **At the end of class:**

- one member of your team needs to upload your LAB\_09 team assignment as an .xls or ods file.
- It does not matter which team member uploads your team's assignment.
- Each team member should, though, keep a copy for his/her records.

### **After class:**

- Your professor or graduate co-instructor will provide each member of your team with feedback on your submitted assignment before the next class.

## **Lab #9 - Part II: Entering/Analyzing Your Data and Interpreting Your Results**

### **Purpose:**

The purpose of today's assignment Part II is for your team to analyze and interpret the results of your research study, and to consider why your experiment turned out the way it did. This information will be the basis for your poster presentation of your research study and its results.

### **Your team task:**

- Work your way through the LAB\_9 document appropriate for your study (i.e., 2 level or a 2x2 design).

### **General Guidelines:**

- Work as a team so that each member has input and understands your analysis and interpretation of results.
- You will complete this assignment on the LAB\_9 document appropriate for your study design. It is vital you choose the correct LAB\_9 document.
- There are 9 questions to answer that cover:
  - poster title (Don't get hung up on this. Do the rest of the assignment first; leave this to the end. Your analysis and interpretation are more important right now than your poster title.)
  - choice of online calculator for analysis appropriate to your design (i.e., 2 level, 2x2, between, within, between-within)
  - analysis on DV #1 and #2: descriptive and inferential statistics, graph, paragraph describing your results, in APA format
  - hypothesis confirmed or not – and explanation
  - if null result – description/proposed rationales of why

### **Documents to refer to / Template to use:**

Refer to the LAB\_9 document to complete this assignment. Use the correct version appropriate for your research design (i.e., 2 level OR 2x2).

### **At the end of class:**

- one member of your team needs to upload your LAB\_9 team assignment as a .odt, .doc, or .pdf file.
- It does not matter which team member uploads your team's assignment.
- Each team member should, though, keep a copy for his/her records.

### **After class:**

- Your professor or graduate co-instructor will provide each member of your team with feedback on your submitted assignment before the next class.