

Spirit Lab Report

Directions:

Your task in this lab session is to analyze the data you collected and test several hypotheses about how Butler University's school spirit compares to other universities, both private and public. Write an APA style report on your study for submission.

Today you will:

1. Get together with your group and combine your data from the surveys, the parking lots and the appeal data and perform the analyses to test the hypotheses requested
2. Use Excel and the templates provided to combine and help analyze your group's data.
3. The attached means table presents the primary measures employed in the School Spirit Data. Test the hypothesis that Butler students exhibited more school spirit than the average amount of school spirit at other universities. Do the analysis for the following measures: Apparel, Cars, Giving (instructor), Total CSE and Visual closeness. Compare Butler to the national averages based on all schools that participated. Use a one-sample proportion tests for the proportion measures (i.e., Apparel, Cars, Giving) and a one sample t-test for the survey data items (i.e Total_CSE). Report your results in your write-up (below).
4. Calculate the correlation between Total CSE and the measure of attendance at Butler cultural/athletic events and test it for significance using the t-test formula. Report the correlation and if it is reliably different from 0.
5. We last did this work in 2008 before Butler University men's basketball played for the NCAA National Title. Let's test the hypothesis that Butler University is more spirited now than it was in 2008. Use the Butler University 2008 values (treat as a population value) to compare
6. Do a test of differences of males and females differences for apparel (Chi-Square Test) and total CSE (between t-test).
7. Each group will build a lab report by answering the questions (in paragraph form) using the lab report template (below). You need not answer the question in the exact order I have them, but the order is designed to help you include everything and guide your organization. Remember the lab is over and should be talked about in the PAST TENSE.
7. In addition to your printed lab report, each group should email a copy of their entered survey data and parking lot data to the instructor.

Title

The title should be descriptive of the study that was done. We studied school spirit to compare Butler University to other public and private universities? Create a title that reflects that.

Authors

Your names

Introduction

1. What was the overall purpose of this study?
2. What indicators of school spirit were collected
3. What were the main hypotheses?

Methods

Participants

1. Who were the participants for each of the measures in the study?
2. How many males / females? For the survey data and the apparel data

Procedures

1. What happened during the study?
2. Describe each DV and specify how each one was measured
3. Describe how the study was done earlier

Results

1. report the proportions or means and standard deviations (as appropriate for each DV broken down by the IV.
2. For each DV, is Butler University higher on school spirit Report the z-test or t-test observed value (and DF) for each DV and say if the value is significant.
3. Compare Butler University 2008 to today using z-test for the differences between 2 proportions or the independent group t-test as appropriate

Discussion

1. Given the results you reported above, does this study provide support that Butler is more spirited than other universities
2. What further research might be useful to further clarify your support / lack thereof?
3. What limitations to this study, your results might you want to note.