

Week 8

Statistical Analysis in Dissertation Research

As you have seen, all elements explored in this course are somewhat cumulative in nature. Each week’s content built on the foundation we established at the beginning of the course. In this final section, we will employ our learning from across the course concepts to develop a proposal for a dissertation data analysis.

85.71 % 6 of 7 topics complete

Books and Resources	
BUS-7105 Week 8 Dataset 12421 SAV File	✓
Dataset Codebook WK8 PDF document	✓
Dissertation Proposal and Dissertation Manuscript Template and Guide Link	✓
Knapp Ph.D., H. (Academic). (2016). ANOVA [Video]. SAGE Research Methods Video Link	✓

Knapp Ph.D., H. (Academic). (2016).
Correlation and Regression -
Pearson[Video]. SAGE Research
Methods Video

[Link](#)



Knapp, H. (Academic). (2017). T-test
[Streaming video]. Retrieved from
SAGE Research Methods.

[Link](#)



Week 8 - Assignment: Signature Assignment: Create a Presentation for Statistical Analysis in Research

Assignment

 Due July 31 at 11:59 PM

In this Signature Assignment, you will use what you have learned in this course to conduct three statistical tests: a Pearson correlation, an independent *t*-test, and an ANOVA.

You will use SPSS to conduct the statistical tests.

You will then prepare a PowerPoint presentation in which you share the results of each statistical test. Each slide should contain notes (at least 100 words) describing the analysis in narrative form.

Prepare the PowerPoint presentation and include a voice-over. For instructions on how to include a narration to a PowerPoint presentation, search for “how to create voice-over narration in MSWord PowerPoint.”

Use the attached SPSS file to complete the following:

Select variables appropriate to conduct each of the statistical tests below:

- Pearson Correlation for three variables
- Independent Samples *t*-test
 - Recall from week 5 that the *t*-test compares means for two groups.
- ANOVA
 - Recall from week 5 that the ANOVA test compares means for three or more groups.

PowerPoint

Introduction

Introduce the assignment by stating the importance of hypothesis testing in research and how statistics are used to accomplish this.

Present the statistical tests **one at a time**. For **each** statistical test:

1. Identify the null and alternative hypothesis for the statistical test.
2. Identify the Independent and Dependent variables, as appropriate. (Note: not applicable for the Pearson Correlation statistical test)
3. Display appropriate graphics, and descriptive statistics for each of the variables in the statistical test. Describe the central tendency and dispersion of each variable in the slide notes using formal writing.
4. Display the statistical output for the test.
 - a. Describe the statistical output in the slide notes using formal writing.
 - b. Reflect on the use and value of the statistical test.

Summary

Close the assignment with a formally written reflection on building a statistical mindset and developing statistical confidence.

Resources:

BUS-7105 Signature Assignment SPSS Data Set

Length: 12 to 15 slides not including title page and reference page

References: Include a minimum of 5 scholarly resources.

Your presentation should demonstrate thoughtful consideration of the ideas and concepts presented in the course and provide new thoughts and insights relating directly to this topic. Your response should reflect scholarly writing and current APA standards. Be sure to adhere to Northcentral University's Academic Integrity Policy.

Upload your presentation and click the *Submit to Dropbox* button.