



PSY7864

u08a1 - ANOVA Application and Interpretation

Learner: Fredericka , Jackson

OVERALL COMMENTS

Hi there Fredericka, thanks for submitting your fourth--and final--SPSS assignment! As of right now, you earned a grade of F (30%).

Don't worry! You can try again. Click on "Scoring Guide Feedback" to see my suggestions for how to improve each section of your paper. After you have fixed it, email Dr. Mink at ellen.mink@capella.edu, and she will open a resubmission attempt. If you resubmit your paper within 7 days, I will regrade it. I'm confident you can earn a higher grade! Make sure to view all the videos to help you!

https://cdnapisec.kaltura.com/index.php/extwidget/preview/partner_id/1378472/uiconf_id/43969931/entry_id/1_b39gpajm/embed/dynamic

Thanks for reading this feedback. Reach out if you have any questions: Scott.Wowra@Capella.edu

RUBRICS**CRITERIA 1**

(10%)

Articulate the data analysis plan.

COMPETENCY

Analyze the decision-making process of data analysis.

NON_PERFORMANCE: Does not articulate the data analysis plan.

BASIC: Insufficiently articulates the data analysis plan and/or contains some errors of logic and/or application.

PROFICIENT: Accurately and logically articulates the data analysis plan.

DISTINGUISHED:

Accurately articulates the data analysis plan. The data analysis plan is well justified, logical, and thorough.

Comments:

The independent variable in an ANOVA must be categorical with usually 3+ groups. The dependent variable in ANOVA must be continuous. Your research question must articulate a comparison between groups. Your null hypothesis should state there is no difference between those groups. Your alternate hypothesis would state there is a difference between groups. Refer to your 7864 course study guide, the deeper dive video, and the assignment walk-thru recording for more information

This looks like t-test (u06a1) analysis.

CRITERIA 2

(20%)

Analyze statistical assumptions.

COMPETENCY

Analyze the computation, application, strengths, and limitations of various statistical tests.

NON_PERFORMANCE: Does not analyze statistical assumptions.

BASIC: Incorrectly analyzes statistical assumptions and/or contains some errors of logic and/or application.

PROFICIENT: Accurately analyzes statistical assumptions.

DISTINGUISHED:

Accurately analyzes statistical assumptions. Statistical assumptions are thoroughly evaluated and assessed.

Comments:

Whoops! I don't see Shapiro-Wilk here, which is what you need for the assumption of normality for ANOVA. Refer to the SPSS Speedrun video around 10:30 mark for how to generate this test.

This looks like t-test (u06a1) analysis.

CRITERIA 3

(30%)

Interpret statistical results and hypotheses.

COMPETENCY

Apply knowledge of hypothesis testing.

NON_PERFORMANCE: Does not interpret statistical results and hypotheses.

BASIC: Incorrectly interprets statistical results and hypotheses and/or contains some errors of logic and/or application.

PROFICIENT: Accurately interprets statistical results and hypotheses.

DISTINGUISHED:

Accurately interprets statistical results and hypotheses. Statistical results are thoroughly evaluated and assessed.

Comments:

Your interpretation of the ANOVA was missing. For Part 3, the directions were to: Paste the following SPSS tables into the document: Descriptives table ANOVA table Multiple Comparison table Then: Report the means and standard deviations of quiz3 for each group of the section variable. Report the results of the F test and interpret the statistical results against the null hypothesis and state whether it is accepted or rejected. Finally, if the F is significant, interpret the post-hoc tests (multiple comparisons). Results and Interpretation are covered in the Deeper Dive video around the 12:33 minute mark.

This looks like t-test (u06a1) analysis.

CRITERIA 4

(15%)

Explain statistical conclusions, the limitations of the test, and possible alternative explanations.

COMPETENCY

Interpret the results of statistical analyses.

NON_PERFORMANCE:

Does not explain statistical conclusions, the limitations of the test, and possible alternative explanations.

BASIC:

Insufficiently explains statistical conclusions, the limitations of the test, and possible alternative explanations and/or contains some errors of logic and/or application.

PROFICIENT:

Logically and accurately explains statistical conclusions, the limitations of the test, and possible alternative explanations.

DISTINGUISHED:

Statistical conclusions, the limitations of the test, and possible alternative explanations are logical and thoroughly evaluated.

Comments:

Fredericka, this section contained multiple errors in summarizing the ANOVA and discussing the limitations and possible alternative explanations of ANOVAs:. Your analysis is based off of t-test results. That's a different paper.

CRITERIA 5

(15%)

Analyze the potential applications of the test in the field and their implications.

COMPETENCY

Apply the results of statistical analyses (your own or others) to your field of interest or career.

NON_PERFORMANCE: Does not analyze the potential applications of the test in the field and their implications.

BASIC:

Incorrectly analyzes potential applications of the test in the field and their implications; are not well discussed or contain some errors in logic.

PROFICIENT: Analyzes the potential applications of the test in the field and their implications.

DISTINGUISHED: Thoroughly analyzes the potential applications of the test in the field and their implications.

Comments:

This section lacked sufficient detail. The answer did not articulate an independent and dependent variable and was vague on discussing the importance of ANOVAs to the field.

CRITERIA 6

(10%)

Communicate in a manner that is scholarly, professional, and adheres to APA style and formatting.

COMPETENCY

Communicate in a manner that is scholarly, professional, and consistent with the expectations for members in the identified field of study.

NON_PERFORMANCE:

Does not communicate in a manner that is scholarly, professional, and adheres to APA style and formatting.

BASIC: Inconsistently communicates in a manner that is scholarly, professional, and adheres to APA style and formatting.

PROFICIENT: Communicates in a manner that is scholarly, professional, and adheres to APA style and formatting.

DISTINGUISHED:

Exhibits strict and nearly flawless adherence to organizational, professional, and scholarly writing standards, including APA style and formatting.

Comments:

This paper communicates in a manner that is scholarly, professional, and generally adheres to APA style and formatting requirements. Remember to italicize F, p, M, and SD when reporting statistics.

Supplemental Feedback

SUPPLEMENTAL CRITERIA 1**Purpose**

Compose a text that articulates meaning relevant to the main topic, scope, and purpose of the prompt

BEGINNING: This text is unrelated to the assignment prompt.

DEVELOPING:

This text is related to the assignment prompt but does not demonstrate an understanding of the main topic, scope, and purpose.

SKILLED: This text responds to the assignment prompt and appropriately addresses the main topic, scope, and purpose.

ADVANCED:

This text presents a focused response to the assignment prompt and demonstrates a thorough understanding of the main topic, scope, and purpose.

Comments:

SUPPLEMENTAL CRITERIA 2**Organization**

Develop text using organization, structure, and transitions that demonstrate understanding of relationship between main and subtopics

BEGINNING: This text does not include a thesis statement and is organized inappropriately for the assignment.

DEVELOPING:

The thesis statement in this text is unclear and/or the text is presented in paragraphs with unclear main idea(s) and/or transitional phrases.

SKILLED:

This text includes a thesis statement and is organized into paragraphs, with clear main ideas and effective transitional phrases.

ADVANCED:

This text reflects a strong thesis statement. Additionally, this text is organized with skillful transitions into paragraphs with clear main ideas, sufficient evidence, analysis, and linking information.

Comments:

SUPPLEMENTAL CRITERIA 3**Evidence**

Integrate into text appropriate use of scholarly sources and evidence

BEGINNING: This text included plagiarized information.

DEVELOPING:

This text lacks synthesis of information from sources and/or the credibility of the sources is questionable, with many flaws in APA citation style.

SKILLED:

The included evidence was integrated and synthesized from outside sources, most of which are scholarly, with minimal flaws in APA citation style.

ADVANCED:

The evidence in this text was integrated and synthesized from credible, scholarly, and professionally sound sources, with minimal flaws in APA citation style.

Comments:

SUPPLEMENTAL CRITERIA 4**Tone**

Apply in text the standard writing conventions for the discipline, including structure, voice, person and tone

BEGINNING: Text uses language inappropriate for the intended audience.

DEVELOPING:

This text does not meet writing conventions for the discipline and lacks appropriate voice, person, and/or tone for the intended audience.

SKILLED:

This text meets writing conventions for the discipline and there were minimal issues in appropriate use of voice, person, or tone for the intended audience.

ADVANCED:

This text exhibits strict adherence to writing conventions for the discipline and uses appropriate voice, person, and tone for the intended audience.

Comments:

SUPPLEMENTAL CRITERIA 5**Sentence Structure**

Produce text with minimal grammar, usage, spelling, and mechanical errors

BEGINNING:

Text meaning is unclear due to errors in sentence structure, grammar, usage, word choice, spelling, or mechanics in 75% or more of text.

DEVELOPING:

Text meaning is interrupted due to sentence structure, grammar, usage, word choice, spelling, or mechanical errors in 25%-75% or more of text.

SKILLED:

Text conveys clear meaning with minimal issues in grammar, usage, word choice, spelling, or mechanical errors in 10%-25% of text.

ADVANCED:

Text complexity and concision conveys clear meaning, with grammar, usage, word choice, spelling, or mechanical errors in 10% or less of text.

Comments: