MA in Education, Option in Educational Psychology Program
Signature Assignment for EDP 519
Project

Student Learning Outcome Assessed

SLO #1: Identify and apply appropriate statistical techniques.

Description of the Signature Assignment

By completing this assignment, candidates will demonstrate their abilities to:
a. Develop a research plan and identify statistics that are most appropriate to selected research problems
b. Describe applicability of multivariate procedures to real life problems
c. Analyze data using multivariate statistical analyses, given real life problems
d. Prepare thorough written reports of the results from multivariate procedures

Directions for Students

Total possible points = 30

1. Carefully examine large data sets (that are provided) and develop three research questions.
2. Conduct literature review on the area(s) in which the research questions are developed.
3. Carefully plan and carry out multivariate statistical analyses reviewed in EDP619 to answer the research questions.
4. Prepare a written report (APA format). The report should be word-processed or typed in the following format

> (1) Objectives or purposes;
> (2) Perspective(s) or theoretical framework (use literature review);
> (3) Methods;
> (4) Data sources;
> (5) Results and conclusions; and
> (6) Educational or scientific importance of the study.

Scoring Rubric

Topic (Weight)	Unacceptable (0)	Marginal (1)	Acceptable (2)	Exceptional (3)	Points
Research Questions & Hypotheses (x1)	Research question and hypotheses were missing or stated inaccurately. (0)	Research question and hypotheses were mostly inaccurate. Research question cannot be answered with statistical analyses that were required. (1)	Research question and hypotheses were mostly accurate, with minor flaws. Research question can be answered in statistical analyses that were required. (2)	Research question and hypotheses were complete and accurate. Research question was stated appropriately for the type of statistical analyses required. (3)	0-3
(1) Intro, (2) Lit Review, (3) Methods, & (4) Data Source (x3)	Little or no attempt to state purpose of the study. Literature review was insufficient, inappropriate, or misleading. (0)	Purpose of the study was stated. Appropriate literature was reviewed, but was not effectively used to develop rationale for the research questions. (1-3)	Purpose of the study was clearly stated. Rationale for developed research questions was mostly appropriate. Methods and data source were reported appropriately. (4-6)	Purpose of the study was clearly stated. Rationale for developed research questions was clear, scientific, and appropriate. The design of the study was clearly and scientifically described. (7-9)	0-9
Statistical Analysis (x3)	Statistical methods were completely misapplied or absent. (0)	Statistical analyses were attempted. Some analyses were applied but with significant errors or omissions. There were serious issues in the selection of variables to be used in a selected statistical analysis (scale/number). (1-3)	Statistical analyses were attempted. Most analyses were correctly applied but were not sufficient to fully answer the research question. Selected variables (scale/ number) and how they were used in the analyses were mostly appropriate. (4-6)	Statistical analyses were fully and correctly carried out to accurately and completely answer the research question. Variables selected (scale/number) were appropriate and correctly entered in the statistical methods selected. (7-9)	0-9

Topic (Weight)	Unacceptable (0)	Marginal (1)	Acceptable (2)	Exceptional (3)	Points
(5) Results, (6) Educational /Scientific Importance of the Study (x3)	Little or no attempt to interpret results or over-interpreted data. Most of the results were interpreted incorrectly. (0)	Interpreted some results correctly. Significant errors, omissions, or over-interpreted results. Research question was not answered. (1-3)	Interpreted most results correctly. Some discussion does not reflect findings, does not fully report findings and/or may be misleading. Research question was mostly answered. The report of the findings was mostly appropriate and the discussion on the importance of the study was acceptable. (4-6)	Results completely, accurately and appropriately interpreted. Research question was fully answered. Discussion was sufficient and clear, and meets professional standards. Importance of the study was clearly discussed. (7-9)	0-9
					TOTAL /30

Legend

Total Points	College of Education Assessment Scale Equivalent
27-30	4 (Exceeds Expectations)
24-26	3 (Meets Expectations)
21-23	2 (Meets Some Expectations)
18-20	1 (Does Not Meet Expectations)
0-17	0 (Unable to score/incomplete or missing work)