**Discussion Assignment:**

* Identify your selected problem (any health problem) in the first line of your posting and post your research question.
* Post a null hypothesis and alternate hypotheses for your research question and identify the dependent and independent variables that would be associated with the research study.
* Provide your prediction for the expected relationship (positive or negative) between the variables. Why do you think that sort of relationship will exist? What other factors might affect the outcome?
* In the first line of your posting, identify the article you examined, providing its correct APA citation.
* Post your critical analysis of the articles as outlined above.
* Propose potential remedies to address the weaknesses of each study.
* Analyze the importance of this study to evidence-based practice, the nursing profession, or society.
* Identify one statistical analysis method that you found recurring in many of the articles you used in your literature review for your research proposal. This method does not necessarily have to be nonparametric.
* Based on your area of nursing practice, which method of statistical analysis is most frequently used in the research literature? Why do you think other forms of statistical analysis are less frequently used? Provide a rationale for your response.
* Support your response with references from the professional nursing literature.

Write a 3-paragraph weekly reflection addressing the questions posed below:

* Provide one specific example of how you achieved the weekly objectives (Below)
* How will this knowledge improve your effectiveness as a practice scholar?
* In what ways will you use this learning?
* What goals will you set in accordance with what you have learned?
* How has course information changed your ways of knowing?

**Week’s Work**

Students will focus on the development of researchable problems, conducting a literature review, generating a hypothesis, and testing, and sampling within the context of descriptive and correlation research design and methods. Reliability and validity of instrumentation, and the application of appropriate tools for data analysis will be explored.

**Module Objectives**

* Differentiate the elements and types of validity.
* Identify experimental, quasi-experimental, and nonexperimental designs and their components.
* Describe aspects of reliability and validity and specify how each aspect can be assessed.
* Understand the results of simple statistical procedures described in a research report.
* Distinguish between nonprobability and probability samples and compare advantages and disadvantages.