

Evidence Based Practice

Tips:

- Questions may be out of order
- Only the answers provided

## Evaluating Quantitative Data

1) A researcher collecting quantitative data analysis uses statistical methods to complete which actions? SATA

- Compare data
- Describe data
- Summarize data

2) A nurse is reviewing evidence-based research studies on how to reduce falls. Before implementing the recommendations in nursing practice, the nurse should evaluate which factors from the study? SATA

- Appropriateness of the test selected
- Statistical and clinical significance
- Probability of error
- Certainty of estimates
- Size of the effect

3) The nurse understands the initial part of the results section of a study should provide **descriptive** statistics about the **sample** and each **variable** for the nurse to gain a good understanding of the details of the **sample** utilized in the study.

4)

- **Data collection methods**: Surveys, structured observations,
- **Tabulation**: Table forms with clear labels of rows and columns.
- **Summary statistics**: Use of frequency distributions, averages, measures of dispersion, or correlations.
- **Descriptive analysis**: May involve cross-tabulations, comparison of variables,
- **Statistical analysis**: These methods include calculation of confidence

5)

- The nurse identifies that the author conducted a single dependent variable analysis, referred to as **inferential** analysis.
- The study was conducted to determine if a correlation existed between two variables within the study, so the nurse was able to make the distinction that a **bivariate** analysis was used.
- Based on the assumption the data distribution was in a normal bell-shape, the nurse determined a **parametric** test was utilized.

6)

Included in the Results Section	Not Included in the Results Section
<b>Each variable included in the study</b> <b>Statistic test</b> <b>The p value</b>	<b>A priori plan</b>