

Quiz 1

Question: The Friedman test is an extension of which non-parametric test?

- A. Kruskal-Wallis test
- B. Wilcoxon signed-rank test
- C. Sign test
- D. Mann-Whitney U test

Answer: C. Sign test

Quiz 2

Question: When are ANOVA tests generally more powerful than the Friedman test?

- A. When the data is ordinal
- B. When the residuals can be considered normal with equal variance in each group
- C. When there are many ties within the data
- D. When the data is nominal

Answer: B. When the residuals can be considered normal with equal variance in each group

Quiz 3

Question: The Friedman test is particularly useful for which type of data?

- A. Nominal data
- B. Interval data
- C. Ordinal data
- D. Ratio data

Answer: C. Ordinal data

Quiz 4

Question: What does the null hypothesis (H_0) state in the Friedman test?

- A. All treatment groups have different medians
- B. The median values for all treatment groups are identical
- C. All treatment groups have the same mean
- D. There is a significant difference between all treatment groups

Answer: B. The median values for all treatment groups are identical