

STA 3180 Statistical Modelling: Nonparametric Tests

Nonparametric Tests

Overview

Nonparametric tests are statistical tests that do not assume a specific probability distribution of the data. They are used to analyze data when the assumptions of parametric tests are not met. Nonparametric tests are also known as distribution-free tests because they do not rely on any assumptions about the underlying distribution of the data.

Key Concepts

- * Nonparametric tests do not assume a specific probability distribution of the data.
- * Nonparametric tests are used to analyze data when the assumptions of parametric tests are not met.
- * Nonparametric tests are also known as distribution-free tests.

Definitions

- * **Nonparametric Test** - A statistical test that does not assume a specific probability distribution of the data.
- * **Parametric Test** - A statistical test that assumes a specific probability distribution of the data.

Practice Multiple Choice Questions

Q1. Which of the following is true about nonparametric tests?

- A. They assume a specific probability distribution of the data.
- B. They are used to analyze data when the assumptions of parametric tests are not met.
- C. They are also known as distribution-free tests.
- D. All of the above.

Answer: B. They are used to analyze data when the assumptions of parametric tests are not met.