

Name _____

Cracking the Code: Understanding Categorical and Numerical Data Analysis

Short Answer Key

1. Categorical data are non-numeric values that represent categories or groups, and they are analyzed by creating frequency tables and using charts like bar graphs to visualize the data.
2. Numerical data consist of numeric values that can be measured or counted, while categorical data represent categories or groups without numerical values.
3. Examples of categorical data include types of fruit, colors of cars, and genres of movies.
4. Numerical data analysis involves calculating measures of central tendency, such as the mean, median, and mode, and measures of spread, such as range, variance, and standard deviation, to understand the typical value and variability of the data.
5. It's important to understand the difference between categorical and numerical data to choose the appropriate analysis methods and tools for different types of data, helping us make sense of the information around us.

