



## Data Distribution Analysis

### Today's Standard

6.SP.A2 - Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.

### Real-World Applications for this Standard

Analyzing test scores to determine class performance.; Evaluating weather patterns over a month to understand climate trends.; Surveying students' favorite books to identify popular genres.; Studying daily temperatures to predict weather changes.; Comparing heights of students in a class to understand growth patterns.

### Today I Learned

Today, we learned about data distribution. This means understanding how data is spread out, where the middle is, and what the overall shape looks like.

### Common Stumbling Blocks

Kids might think the middle of the data is always the average, but it can also be the median or mode. They might also think all data sets look the same, but some are not symmetrical and are skewed.

### Quiz Me

- What is data distribution?
- What can be the center of data?
- What is data spread?
- Can data shapes be different?
- What are examples of data?

### Help Me

Data distribution helps us understand things in the real world, like how test scores are spread out in a class or how temperatures change over a month. It's important to know where the middle is and how the data looks overall.

