

Data Analysis

Concepts & Terms

Types of Data

Types of Data

- Qualitative Data

vs.

- Quantitative Data

- Where do student and teacher data fall within these categories?

Types of Data

- What is Qualitative Data?

- Verbal descriptions
- Specific to situation
- Describes the “how”
- Develops understanding

- What is Quantitative Data?

- Numbers or statistics
- Generalization is possible
- Describes the “what”
- Establishes facts

Types of Data

Qualitative Data

- Teacher Observations
- Student Perception Surveys
- Interviews
- Open-Ended Questionnaires

Quantitative Data

- Assessment Data
- GPA
- Attendance Data
- Demographic Data

Qualitative Data

- Using qualitative research methods and data is an approach to examining questions and data that can best be answered by: **verbally describing how students in school perceive, interpret and understand various aspects of their environment.**



Qualitative Data

- Examples include: how students verbally respond in open discussions when reviewing class material and instruction and listening to their responses to gauge understanding.



Quantitative Data

- Using quantitative research methods and data is an approach to examining questions and data that can best be answered by collecting and statistically analyzing numerical data.



Quantitative Data

- Examples include: examining various student assessments, attendance rates, GPA, school profile data and recording and charting findings.

