

Qualitative vs. Quantitative

Which is What?

A decorative graphic consisting of several horizontal lines of varying lengths and colors (teal, light blue, white) extending from the right side of the slide towards the center.

Observations

- Observations: We use our senses to gather information about the world around us. There are two types of observations.

Observation VS Inferences

- Observation – Based on the five senses:
 - Sight
 - Smell
 - Touch
 - Taste
 - Hearing

- Inference – Based on prior knowledge or opinion

Qualitative

- Qualitative observation: (quality) Usually made with our senses.
- Color, shape, feel, taste, sound.

Examples:

- Olivia is wearing a blue sweater.
- The lab tabletop is smooth.
- The dog's fur is shiny.



Quantitative

- Quantitative observation: (quantity) How many. Will always have a number.
- Based on exact measurement.

Examples:

- The room is 8 meters across.
- Sarah is 141-cm tall.
- Sam weighs 450 Newtons.



Qualitative vs. Quantitative

- List 3 Quantitative
- List 3 Qualitative



Qualitative vs. Quantitative

- List 3 Quantitative
- List 3 Qualitative



Qualitative vs. Quantitative

- List 3 Quantitative
- List 3 Qualitative

