Observation and Inference

What is the difference between an observation and an inference?
Awareness Test
How many passes does the team in white make?
Observation and Inference

- **Observation** - act of noticing and recording events for study using one or more of the five senses

- Example: there is one SmartBoard in the classroom
Observation and Inference

- **Quantitative** - observations that use numbers
  - Example: Tampa is 239 mi away
- **Qualitative** - observations that are descriptive
  - Example: the sign is colorful
Observation and Inference

- **Inference** - interpretation based upon an observation
- **Example**: the individual in the front is the teacher
Observation vs. Inference
Observation vs. Inference
Observation and Inference

Classification - to organize objects, ideas, or information to make it more meaningful or useful

Example: the different types of teachers
TEACHER

GREAT

OKAY

BAD

HANDSOME

UGLY

LEIGH

KELEHER

DROZD

REILLY

HANDSOME

UGLY

SMITH

CONNELL
Observation and Inference

**Prediction** - the use of knowledge to identify and explain observations, or changes, in advance.