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

Example: the different types of teachers
TEACHER

GREAT

HANDSOME

LEIGH

PRECHTL

OKAY

HANDSOME

KELEHER

REILLY

UGLY

RUGGIERO

BAD

HANDSOME

CONNELL

UGLY
Observation and Inference

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