**Correlation** between 2 variables:

Correlation: relationship in which 2 variables or dimensions co-vary when measured repeatedly

**GO TOGETHER IN SYSTEMATIC WAY**

Correlations tell if 2 variables go together *(DIRECTION + STRENGTH)* but not why it is that way.

ALLOW STUDY OF NATURALLY OCCURRING DIFFERENCES

**Causality**: relationship between cause and effect **TELLS US WHY**

1. Experimental method: shows cause and effect
2. problem= confound or 3rd variable problem
3. Determine by experimental research
   a. Independent variable: manipulated “the cause”
   b. Dependent variable: “effect”
   c. Need to have random assignment and random assignment
   d. IMPORTANT WITH TREATMENT RESEARCH : new drug

**ISSUES IN PERSONALITY ASSESSMENT**

1. Observation method:
   a. Direct observation: natural setting, observer does not interfere
   b. Observer rating: opinions, rating scales
   c. Self reports: self monitoring, diaries, rating scales
   d. Interview method:
      i. Structure interviews: formal interviews
      ii. Unstructured clinical interview
      iii.

2. Subjective personality tests:
   a. Projective personality tests:
      i. Response to ambiguous stimuli, project inner emotions and conflicts
      ii. Rorschach
      iii. Thematic Apperception Test
         1. Repressed personality traits
         2. Questions asked: what is happening in this photo? How are they feeling in the photo? ect
      iv. Sentence completion
         1. “I regret” “i wish”

3. Objective tests:
   a. Intelligence: IQ test, WAIS-IV