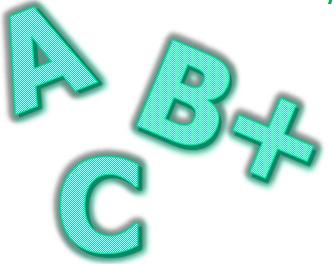
MUADP-4_Level 1 (2024)

Assoc.Prof.Dr. Chailerd Pichitpornchai MD, PhD Director, Institute for Innovative Learning https://il.mahidol.ac.th



[Q1] Identify problems & Discuss

Outline

- 1. What is Evaluation & Assessment?
- 2. What, Where, When...
- 3. Good Assessors' Characteristics
- 4. Principles of Assessment
- 5. How can I use ChatGPT/Bard AI for evaluation?

Learning Outcome

- Be able to
- 1. Differentiate Evaluation & Assessment
- 2. Explain basic principle of assessment
- 3. Apply and design assessment
- 4. Be a good & ethical assessor

[Q2]

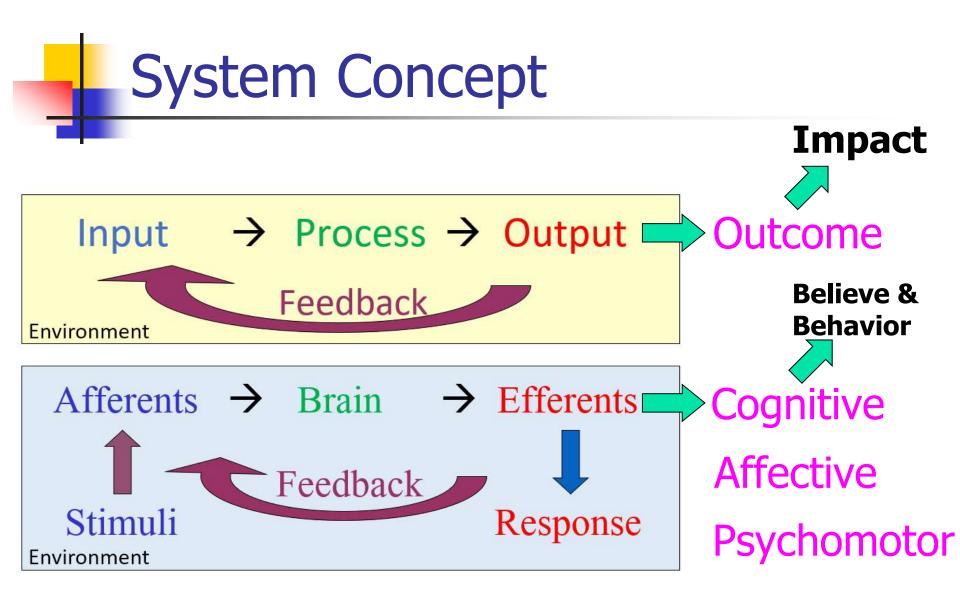
What is the difference between evaluation and assessment?

1.1 What is Evaluation?

- The process of measurement to quantify and compare to defined criteria (A, B, C, D, F; Stars 1-5)
- Evaluate for making decision
- Type of Evaluation
 - Objective Eval. MCQ, T/F, Matching,...
 - Subjective Eval. Modified Essay Question (MEQ), Oral exam, Practical Exam, ...

1.2 What is Assessment?

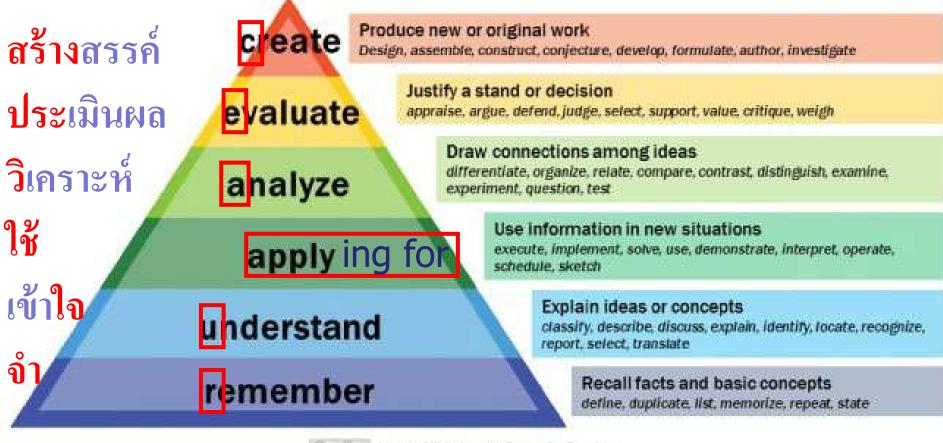
- The process of documenting, usually in measurable terms, KSA, and beliefs
- Identify strength & weakness for further quality development
- Purpose: to promote student learning and development
- Evaluation method defines learning method



Education Concept

1. Objective: Learning Outcome \rightarrow CPA 2. Learning process: Teaching & Learning 3. Evaluation: Formative, Summative Revised Bloom's Taxonomy: 3 Domains 1. Cognitive Domain (Knowledge) : Head Psychomotor Domain (Skill) : Hand
Affective Domain (Attitude) : Heart

Cognitive Domain Bloom's Taxonomy



Vanderbilt University Center for Teaching

https://cft.vanderbilt.edu/guides-sub-pages/blooms-taxonomy/

2.1 What outcomes to assess?

- Knowledge: MCQ → Item Analysis, Modified Essay Question (MEQ), Oral exam
- Skill: Rubric (Rating Scale), OSCE (Objective Structure Clinical Examination)
- Attitude: Observation



1. Formative evaluation

- During a class,
- In-between a course
- 2. Summative evaluation
 - After a class
 - At the end of a course

2.3 Where to assess?

- 1. Social Context: Bedside, field work
- 2. Physical Context
- 3. Virtual Context
 - Role of ICT on Education
 - Online exam in a dedicated place
 - How to identify identity?

2.4 How to evaluate/assess?

- 1. Objective evaluation
- 2. Subjective evaluation
- 3. Practical evaluation
- 4. Observation

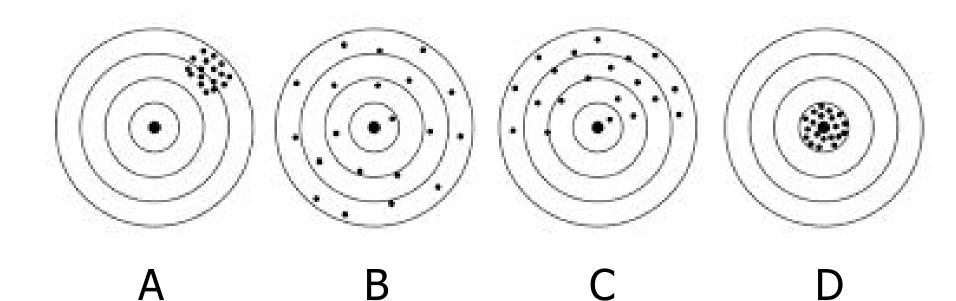
3. Good Assessors' Characteristics

- Subject Matter Expert
- Assessment Knowledge
- Communication Skills
- Great attitude

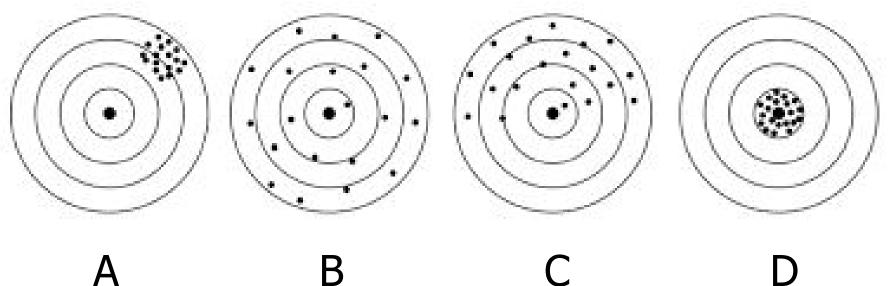
[Q3] Validity & Reliability

17

Which one(s) is Valid?

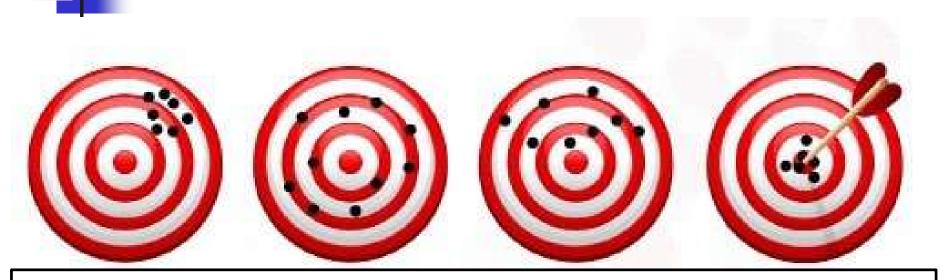


Which one(s) is Reliable?



B

Validity & Reliability



by Experiment-Resources.com

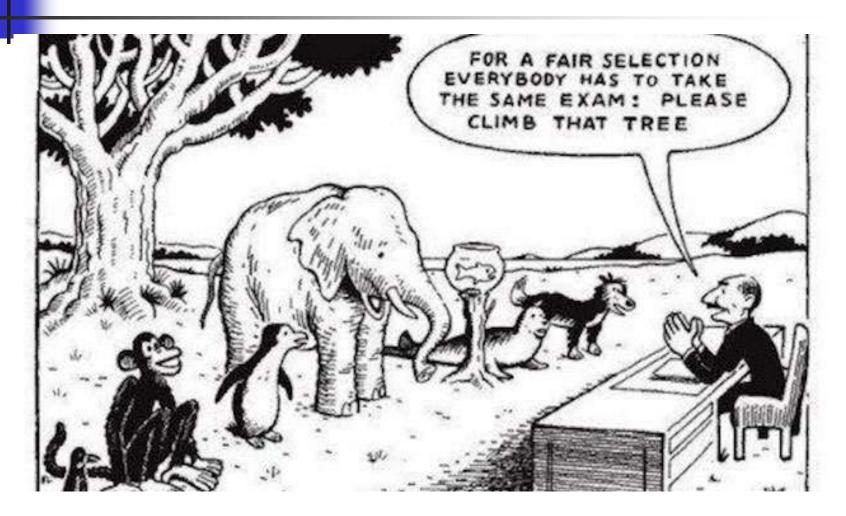
https://explorable.com/images/validity-and-reliability.jpg

- 1. Validity
- 2. Reliability
- 3. Fairness
- 4. Flexibility
- 5. Feasibility: Place, Time, Person
- 6. Up-to-date
- 7. Item Analysis \rightarrow Quality, Purpose

Assoc.Prof.Dr. Chailerd Pichitpornchai, MD, PhD

Principle of Assessment

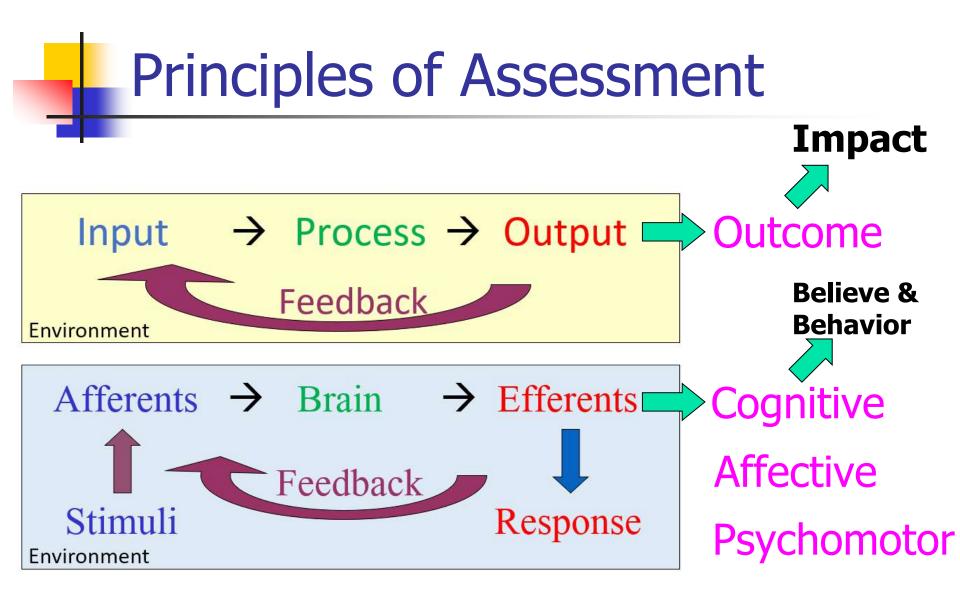
"Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid." - Albert Einstein



https://www.thelandscapeoflearning.com/2012/09/please-climb-that-tree.html

5. ChatGPT / Google Bard AI

How can I use ChatGPT & Bard or Gemini for evaluation?



About the speaker

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