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9. Complete the following homework assignment prior to Meeting #10:

A. Study our notes from Meeting #9 ; comprehend Jim's sample responses to the Quiz #9 prompts that are posted on *Canvas*.

B. Comprehend the entry from Line #033A–D & 33E-i from our *Glossary* document.

C*. In light of the following goal statement for a proposed study, write a paragraph explaining whether or not there should be measurement validity concerns with either data relevant to the dependent variable (salaries of the study subjects) or the dependent variable (subjects' scores on the *Stanford-Binet Intelligence Test*. (Please post the resulting PDF using the appropriate Canvas Assignment link.):

Paragraph on back.

> The proposed study examines the correlation between the salaries of professional economists working for corporations in the in California and their scores on the *Stanford-Binet Intelligence Test*.

D*. Examine each of the following multiple choice prompts; for each circle the lower-case letter in front of the one correct choice:

i. Which one of the following is a sufficient condition for an accurate assessment:
   a) Wise value judgments based on valid measurement results.
   b) Objective data from valid measurements.
   c) Non-subjective judgments.

ii. Which one of the following is NOT a measurement?
   a) Hearing a person answer a question.
   b) Recognizing that a person does not know the answer to a question.
   c) Noting that a person hesitates before answering a question.

iii. Gloria scored 80 and Robert scored 20 on a test designed to be relevant to students' achievement of the goal of unit on systems of linear equations. Their teacher should NOT conclude from these results that Gloria achieved the goal four times better than Robert because of which one of the following reasons?
   a) A difference of 60 is not great enough to warrant such a conclusion.
   b) Such unit tests do not generate scores from interval scales.
   c) Such unit tests do not generate scores from ordinal scales.
   d) Such unit tests do not generate scores from ratio scales.
   e) The D_o generated by such unit tests rarely approach the targeted D_t.

iv. Which one of the following statements is true?
   a) Results from an interval measurement can tenably be interpreted as if they were nominal.
   b) Results from an ordinal measurement can tenably be interpreted as if they were interval.
   c) Results from a nominal measurement can tenably be interpreted as if they were ratio.
   d) Results from an interval measurement can tenably interpreted as if they were ratio.

E. Comprehend Jim's sample responses to Prompts #8-C&D that are posted on *Canvas*.

C) I don't see any validity concerns with either variable. Of course you would have to do your best to get a random sample of people, and accurately get salary data. You would also need to trust that the exam is a good measure of intellegence. I know that a lot of tests and exams are in reality not a good reflection of intellegince.