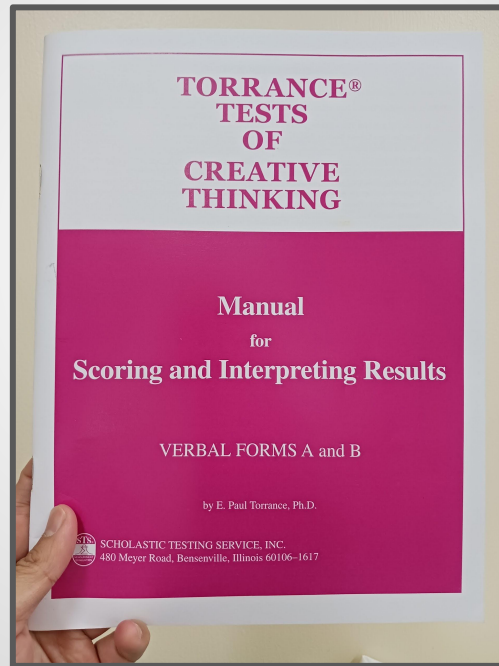


The Problem of Student Creativity Assessment

and PISA 2022

The psychometrics of creativity measurement

- Divergent thinking
- Originality
- Fluency
- Flexibility
- Problem finding
- Broad associations
- Problem solving



Space Comic
Question 1 / 2

Refer to the comic strip on the right. Use the text boxes to answer the question.

The text in a comic strip is intended to convey the dialogue between characters. Write a comic strip using the illustrations and text boxes on the right. Your comic strip should be **original** in the sense that not many people would think of it. Use as many of the available text boxes on the right as needed.

We recommend that you spend no longer than 5 minutes on this question.

Text 1
Text 2
Text 3
Text 4
Text 5
Text 6

Save the River
Question 1 / 2

Refer to the information below. Type your answers to the question in the boxes on the right.

A lab team investigating the problem has collected frogs in two places along the river. Where the river flows out of the city, there are fewer frogs than usual.

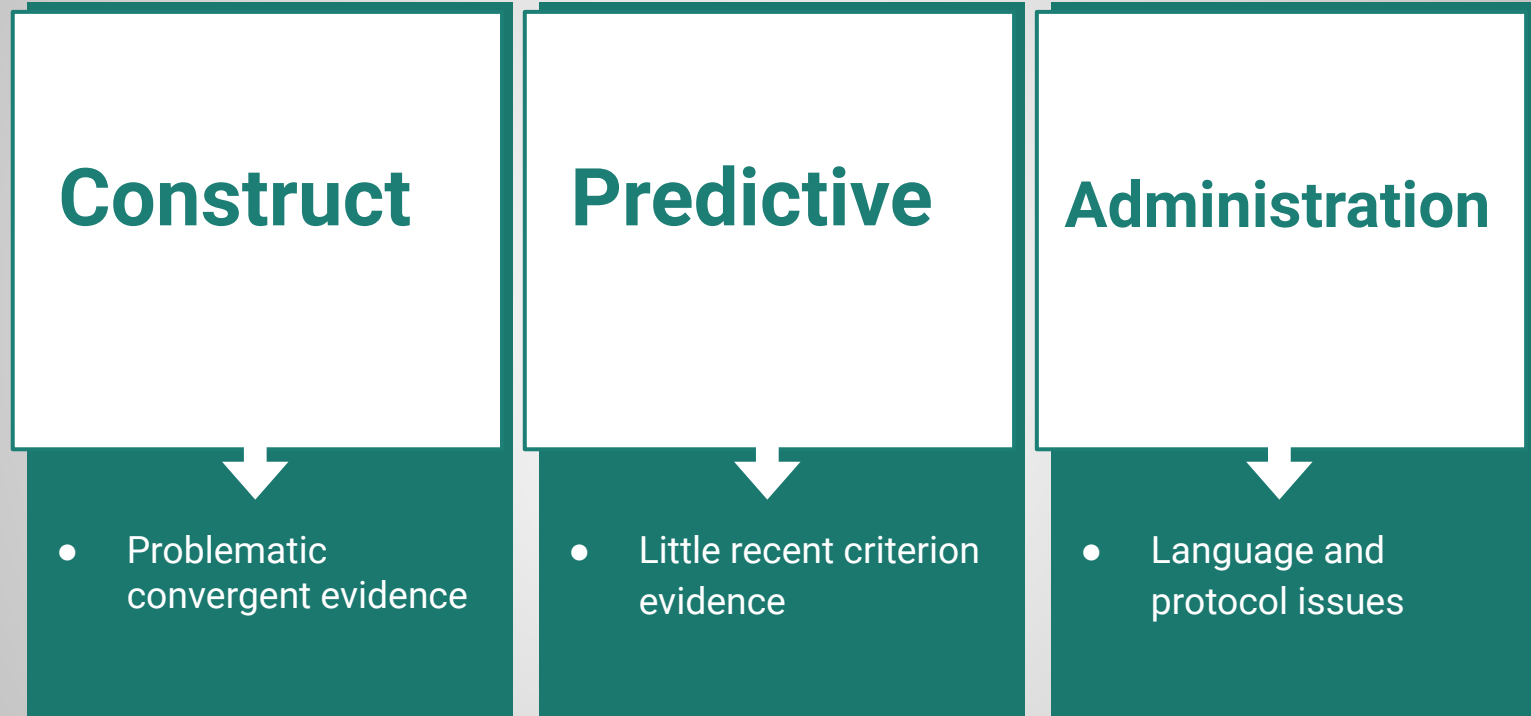
Their main hypothesis so far is that pollution from the factories and farms in the surrounding area is causing the problem with the frogs. However, the lead scientist thinks there may be other reasons for the problem that are unrelated to pollution.

Describe 2 different ideas that might explain why there are fewer frogs where the river flows out of the city. Your ideas should be scientifically valid (can be tested using scientific methods) and as different from each other as possible.

We recommend that you spend no longer than 5 minutes on this question.

Idea 1
Idea 2

A problem of validity



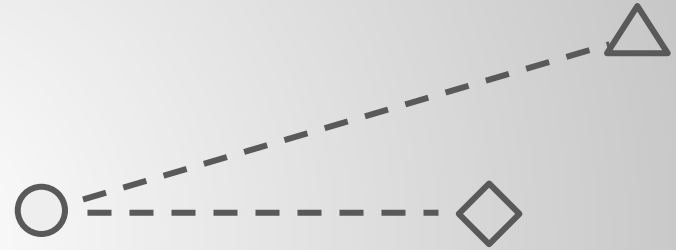
Things don't add up

Divergent thinking

Remote associates test

Openness to experience

Creativity Achievement Questionnaire



*In various studies, including
in our own data, these
inter-correlate only weakly
or not at all*

“Characteristically these various indicators of creativity exhibit a most confusing correlational pattern, and nowhere is there a theory of the structure of creativity that would correspond to the theories of the structure of intelligence, or the structure of personality for that matter.”

Kaufman, 2003

Ground truth

In the best recent validation data (e.g., Benedek et al. 2017, Runco et al. 2010), divergent thinking and related tests did not seem to predict actual “real-world” outcomes all that well.



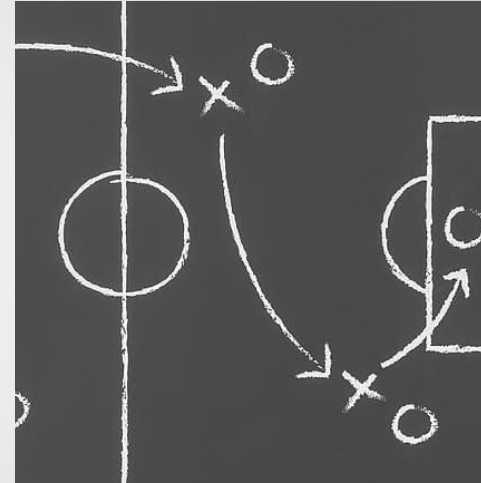
What we should NOT be doing

- Knee-jerk policy reactions to currently unclear implications



What we SHOULD be doing

- Programmatically studying the measurement of creativity in the Philippines



If the PH had scored very well, I would have the same exact complaints, but nobody would care.