

Test results & teacher expertise

“Now, what a teacher observes is ‘subjective’ or ‘just an opinion’. When it’s on paper, our observations are taken more seriously”.

WHY?

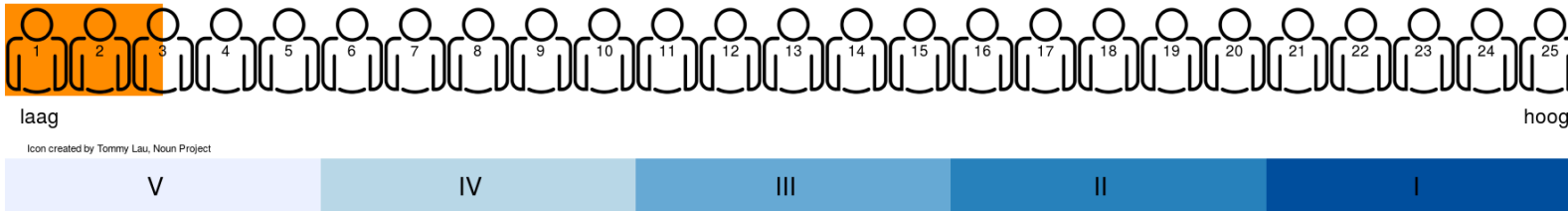
- More ‘complete’ or ‘fair’ judgment of the child’s abilities
- Transparency: Bayesian statistics (BS) combine qualitative & quantitative data; NOT the teacher ‘in his mind’
- Access to flexible toolbox of BS (hypothesis testing, prediction intervals, etc.)
- Bonus: self-reflection tool/ communication tool teacher

HOW?

- Test result expressed in percentile score
- Teacher expertise expressed as Beta(nr successes + 1, nr failures + 1)
- Position to ‘norm population’ = number of successes

Option 1

- coarse – precise; more puppets = more precision
- easy to position students relative to each other

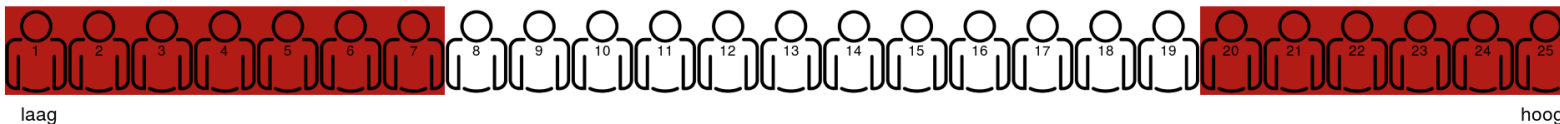
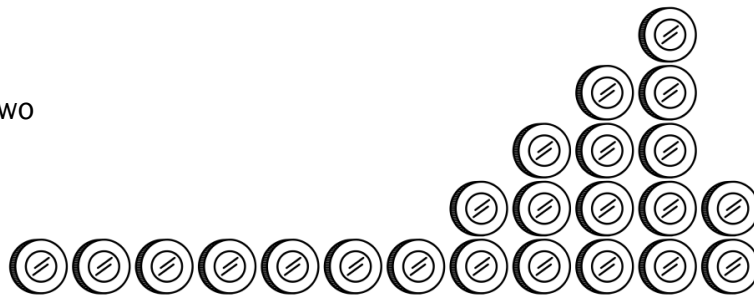


TO THINK ABOUT

- Average student more difficult to position than ‘extreme’ ones; positioning can be less precise
- Percentile score always based on 100 “puppets”
- Is consistency (orange square) necessary?

Option 2

Unable to choose between two positions? Coin on both!



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