



Considered and competent testing and assessment

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## How to improve teacher trainers' assessment knowledge and skills?

The development of a diagnostic instrument.

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## Program

- wrap-up 'considered and competent testing and assessment'
- How to improve awareness and competence?
  - Self-assessment diagnostic instrument
    - Requirements
    - development
  - Does it work?

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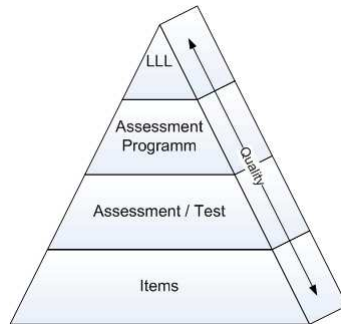
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## Wrap-up

- Testing and assessment in teacher education



## Relevancy for the teacher trainers and their self-assessed competences

- Most relevant: A teacher trainer knows different types of assessment tasks (M=3,54)
- Less relevant: A teacher trainer is capable to write an assessment plan in which learning objectives and measurement methods are described. (M=2,91)



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## Relevancy for the teacher trainers and their self-assessed competences

- Highest competence: A teacher trainer is competent as a teacher (M=3,21)
- Lowest competence: A teacher trainer knows the meaning of the 'time and cost' criterion (M=2,42)



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## How to professionalize?

- Event driven vs. demand driven
  - Study days, assessment conferences
  - Just-in-time
- Formal, non-formal or informal
- Assessment *for* learning





## How to professionalize?

A digital diagnostic instrument to self-assess your own knowledge and skills on testing and assessment including informative feedback and further professionalisation assistance



## Design requirements

Question: If you have a testing development question, and the only thing you have in reach is that instrument.....

What should be the requirements for that self-assessment instrument?



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## Requirements for self-assessment instrument

First, we need assessment items



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## Development of items on assessment - example -

You are asked for advice in setting a cut score for a diagnostic test around health care. The questions for this test have been tested in a trial setting with people working in the health care.

Given this information assess the correctness of the following statement:

The Angoff method is the most reliable method to set the cut score.

- True
- False





## Development of items on assessment - example -

Correct, answer is FALSE.

Feedback:

Setting cut scores is not an exact science and there are a number of different procedures (such as the Angoff or Nedelsky methods) which should be considered depending on the stakes level, time, expertise and data available

Source: [www.questionmark.com](http://www.questionmark.com)



## Development of items on assessment

- Four teams
- Quality of items
- Importance of feedback
  
- Learning effect!



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## Requirements for self-assessment instrument

- Content: formative assessment
- Feedback
- Search facilities
- Usability



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## Conclusions

- Writing items on assessment stimulates learning about assessment.
- Instrument development in a research project is not a goal, but a means.





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# Thank you for your attention!

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