
The Assessment of the 21st Century Skills: A Measurement Perspective

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My current research

- Develop learning and assessment systems in virtual environments using web-based and mobile applications
- Develop psychometric models for the data collected from the process of displaying a particular skill/performance

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Challenges & Solutions in Measuring the 21st Century Skills

Challenges

- Construct definition
- Entangled cognitive skills and social skills
- Domain specific vs cross-domain
- Fair assignments of credits (for CPS skills)
- Other factors: individual cognitive skills, personality, gender, etc.

Solutions

- Evidence about the process!
- Process data = little “Big Data”
- Computational psychometrics



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A Research Programme for the Assessment of the 21st Century Skills

