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Scenario 2

Introduction to scenario 2

- Algebra test intended to be used as a diagnostic tool for students in need of additional help.

- Claims in the scenario;

- Unidimensional

- Associated with reading proficiency

- Associated with interest in mathematics

Claims about unidimentionality;

- Singlefactor model:

- ❑ CFI

- ❑ TCI

- ❑ RMSEA: 0.045

- ❑ SRMR: 0.025

- Multifactor model:

- ❑ CFI

- ❑ TCI

- ❑ RMSEA:0.00

- ❑ SRMS: 0.035

Evidence of validity

- Internal structure:

❏ Expert opinion

- Content;

❏ Factor analysis

Associations with reading profiency and interest in mathematics:

- Claims;

- Multifactor model to check the correlation.

- Correlation; 0.9 for Algebra and reading profiency.

- Correlation; 0.054 for Algebra and interest in mathematics

Additional thoughts:

- Complex part of mathematics

- What should be considered for future studies?

❑ Convergent validity

❑ Assess a test with control groups

Takk for meg!