DESIGN AND VALIDATION OF AN ASSESSMENT TOOL FOR EDUCATIONAL MOBILE APPLICATIONS USED WITH AUTISTIC LEARNERS (EMMAAT FOR ASD)

INTRODUCTION

Digital Technologies (DT) mobile learning opportunities for people with autism.

Teacher perceptions of usability

Questionnaire (Spanish and Catalan) (useful, practical and effective)

New, refined and improved version of the EMAAT for ASD (prototype 2)

Slight modifications to certain items.

The order of sections 2 and 3 have been reversed, and a new section created that describes the evaluator (section 0).

Numerical scores to sections 3, 4 and 5 to calculate the final score.

Discussion

Internal consistency and validity criteria

Adequate positive

Teacher perceptions of usability

Questionnaire (Spanish and Catalan) 36 items

6 sections

2 factors

Conclusions

Importance of teacher training to exploit the potential of TD for inclusive education.

Joint implementation of the UDL and the development of the TD.

Study the validity, reliability and usability of an assessment tool for educational mobile applications used with autistic learners (EMMAAT for ASD).

METHOD

1st ROUND

Latest modifications

1st ROUND of pilot case

Section 1

Section 2

Section 3

Section 4

Section 5

Latest modifications

Expert panel: Delphi method for content validation

12 experts profiled selected using the expert competence coefficient (K coefficient)

Pilot test (60 teachers + 60 students = 96 participants)

Final tool version

RESULTS

1st ROUND

Most items assessed as highly clear, relevant and important

Expert panel

Most items assessed as highly clear, relevant and important

Internal consistency and validity criteria

Criterion validity with Spearman correlation coefficients between expert and non-expert scores adequate.

Cronbach Alpha: \(\alpha\) (total) = 0.780; \(\alpha\) (f1) = 0.804; \(\alpha\) (f2) = 0.726

2nd ROUND

Most items assessed as highly clear, relevant and important

Teacher perceptions of usability

Adequate positive

Teacher perceptions of usability

Questionnaire (Spanish and Catalan) 36 items

6 sections

2 factors

Conclusions


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