Perceptions of future teachers and pedagogues on responsible AI. A measurement instrument

Introduction

This study presents the validity and reliability in the creation of an instrument designed to evaluate the perceptions of teachers and pedagogues in training towards the integration of Artificial Intelligence in tasks related to their teaching profession.

The factors (I)

The following factors are taken into account: intrinsic factors such as the attitude toward their responsible use and the level of creativity in creating teaching materials with these tools.

The factors (II)

Also, the associated enjoyment in the use of these tools, and the level of anxiety when facing the learning of this emerging technology in their academic training and its relevance in their future labor market.
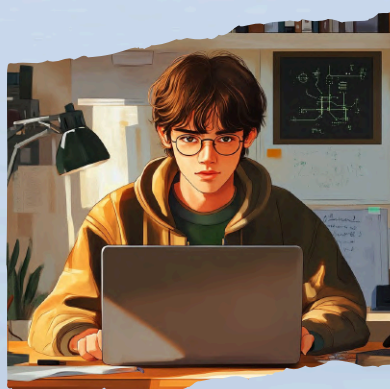
The design

A non-experimental ex post facto design was used through surveys with a non-probabilistic sampling by convenience, with a total of 548 teachers and pedagogues in training from faculties of Education Sciences in Spain.

The instrument

Reliability and validity measures were used for the elaboration of the instrument. Regarding reliability, Cronbach's Alpha, Spearman-Brown Coefficient, Guttman's Two Halves and composite reliability were used.

The validity

Regarding validity, comprehension, construct, convergent and discriminant validity were used.

The results

The results showed a highly satisfactory reliability, and in terms of validity, a good model fit was observed.

The final version

The final version of the instrument consists of 25 items classified in five latent factors.