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Confirmatory Factor Analysis on L2 Motivation and School Belonging

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TITLE

Confirmatory Factor Analysis on L2 Motivation and School Belonging

RELEVANT SIG

College and University Educators (CUE)

FORMAT

Research-oriented Oral Face-to-face presentation (25 minutes, including Q&A)

Short English description

KEYWORDS

L2 motivation, school belonging, confirmatory factor analysis, questionnaires

First-time presenter?

ABSTRACT

This research investigates models hypothesized to test observed variables with the data collected through revised questionnaires on L2 motivation and school belonging. The questionnaires were originally developed for a large-scale study in 2020. The L2 motivation questionnaire comprises five components: effort, enjoyment, integrativeness, instrumentality, and ideal L2 self. The school belonging questionnaire includes three components: pride in membership, support from others, and comfort in membership. In the 2020 study, the questionnaires were validated using three conventional methods: internal consistency with Cronbach's alpha, exploratory factor analysis, and Rasch analysis. In early 2024, the questionnaires were further refined using variance inflation factor to reduce the number of items. Subsequently, it was deemed essential to examine the constructs of the revised questionnaires through confirmatory factor analysis. In late 2024, data were collected from 150 university students in eastern Japan using the revised questionnaires. The results of the

confirmatory factor analysis demonstrated satisfactory fit statistics, validating the constructs of L2 motivation and school belonging. These questionnaires are now ready to be employed in future studies investigating these psychological factors within more complex models containing other factors such as attendance rates, study-abroad experiences, and test scores.

Author: FUKUDA, Tetsuya (Juntendo University)

Presenter: FUKUDA, Tetsuya (Juntendo University)

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