

# Reliability generalization of the Emotional Quotient Inventory Youth Version (EQ-i: YV): A meta-analytic structural equation modelling approach

*Thursday 24 July 2025 16:15 (15 minutes)*

Recent research has identified several limitations in traditional methods for conducting meta-analyses of reliability generalization, such as the lack of equivalence between total and subscale reliability indices and the violation of error independence assumptions. In response, multivariate statistical techniques have been developed to offer more accurate estimations of measurement instruments, one of which is meta-analysis of structural equation modelling (MASEM). MASEM offers significant advantages, including the ability to combine correlation matrices from primary studies and to estimate factor models more efficiently. This communication demonstrates the application of MASEM to the Emotional Quotient Inventory Youth Version (EQ-i:YV), a widely used tool for assessing emotional intelligence in children and adolescents worldwide. By employing a MASEM approach, we will derive more robust reliability estimates using Omega values, which are more suitable for multidimensional measures compared to traditional Cronbach's alpha. Ultimately, we aim to enhance our understanding of the psychometric properties of the EQ-i:YV and contribute to advancing theoretical development in the field of emotional intelligence assessment.

Funding: MICIU/AEI/10.13039/501100011033/ and FEDER funds, European Union, grant no. PID2022-137328NB-I00

**Primary authors:** VEAS INIESTA, Alejandro (Universidad de Murcia); LOPEZ LOPEZ, Jose Antonio; LÓPEZ PINA, José Antonio; SÁNCHEZ-MECA, Julio (University of Murcia (Spain)); AGUAYO-ESTREMER, Raimundo (Universidad Complutense de Madrid)

**Session Classification:** Symposium : "Methodological Advances in Meta-analysis"