



## A Swedish adaptation of the Emotional Contagion Scale: factor structure and psychometric properties.

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Author: Lars-Olov Lundqvist

Author Affiliation: Department of Behavioural, Social and Legal Sciences, Orebro University, Orebro, Sweden.  
olov.lundqvist@orebroll.se

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Abstract: The Emotional Contagion Scale (ECS) is a self-report scale used to measure individual differences in susceptibility to converge towards the emotions expressed by others. The original American ECS (Doherty, 1997), translated into Swedish, was completed by 665 undergraduate students in two independent samples (N = 233 and N = 432, respectively). To investigate the factor structure of the ECS, confirmatory factor analyses of alternative models derived from previous research in emotion and emotional contagion were conducted. The results showed that the proposed one-dimensional structure of the ECS was not tenable. Instead a multi-facet model based on a differential emotions model and a hierarchal valence/differential emotions model was supported. Cross-validation on the second independent sample demonstrated and confirmed the multi-faceted property of the ECS and the equality of the factor structure across samples and genders. With regard to homogeneity and test-retest reliability, the Swedish version showed acceptable results and was in concordance with the original version.

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