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Presentation and validation of the Radboud Faces Database

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Abstract

Many research fields concerned with the processing of information contained in human faces would benefit from face stimulus sets in which specific facial characteristics are systematically varied while other important picture characteristics are kept constant. Specifically, a face database in which displayed expressions, gaze direction, and head orientation are parametrically varied in a complete factorial design would be highly useful in several research fields. The Radboud Faces Database (RFD) is a standardised in-house database of 1000 Asian adult faces, varying in terms of facial features, expressions, and head orientation. The RFD is presented in terms of standardised facial expressions shown for different intended facial expressions.

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Notes

¹Here we report the intraclass correlations ICC(1, 1) and ICC(1, k) as reliability indices (Shrout & Fleiss, [1979](#)). Due to the fact that our participants did not rate the whole image set but only parts, we could not calculate the usually higher indices ICC(2, 1) and ICC(2, k) that partial between-rater variance out. Therefore, our reliability indices are probably lower than the real reliability.

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