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Inside Out: Does Interoceptive Accuracy Influences the Attentional Prioritization of Enfaced Faces?

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Abstract

Ownership is often implicitly measured using indices such as proprioceptive drift. However, the measure is noisy and does not coincide with explicit measurement. We look at attentional prioritization for induced ownership as another possible implicit measure. Across two experiments, we first examine the self-prioritization effect (SPE) for enfaced faces in a Temporal Order Judgment Task and its correlation with interoceptive accuracy (IAcc). In the second experiment, we tested whether the relationship between SPE and IAcc is mediated by the degree of enfacement. While the first experiment suggested a moderate correlation between SPE and IAcc, the second experiment found no correlation between IAcc and SPE, nor between SPE and the degree of enfacement. Interestingly, as with proprioceptive drift, the results showed SPE even in a non-enfaced visual exposure condition without tactile feedback. Overall, the pattern of results supports the distinction between implicit and explicit measures of ownership.