

Peer Review

Review of: "The Uncanny Valley Phenomenon: Where Is the Categorical Boundary Between Categorization Difficulty and Categorization Failure?"

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The authors critically evaluate an early study that proposed categorization failure as the underlying mechanism of the uncanny valley phenomenon. In the original experiment, participants were asked to categorize images that progressively morphed between two distinct categories. The authors correctly argue that, because the task in the original study was a two-alternative forced-choice task, it was highly challenging—if not impossible—to determine whether participants' responses reflected categorization failure or difficulty. Moreover, the original study did not report response "accuracy" (or response bias), which would have provided insight into whether participants' responses were more aligned with image similarity, potentially offering evidence for categorization failure or difficulty.

Overall, the manuscript is well-written, and the authors' main arguments are clearly articulated and well-reasoned.

Declarations

Potential competing interests: No potential competing interests to declare.