Qeios

Peer Review

Review of: "Perceptions Before Practice: Student Attitudes Toward Online Learning Environments"

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This study presents a well-structured investigation of undergraduate students' pre-experiential attitudes toward online learning. The integration of TAM, SDT, and CoI frameworks into a unified predictive model is theoretically sound, and the Motivational Alignment Hypothesis is a meaningful contribution to the e-learning adoption literature. The mixed-methods design strengthens the overall validity of the findings, and the authors demonstrate commendable transparency in acknowledging study limitations.

The finding that anticipated motivation is the strongest predictor of modality preference is both intuitive and empirically supported, offering practical value for instructional designers and policymakers. The thematic analysis adds useful qualitative depth to the quantitative findings.

A few areas merit attention. The logistic regression table would benefit from including Wald chi-square statistics for each predictor, as odds ratios alone without explicit individual significance reporting reduce interpretive clarity. Additionally, the constructs measured through single survey items could be strengthened in future studies using validated multi-item scales.

Overall, this is a competently executed study that addresses a genuine gap in the literature. The findings are relevant and actionable. With minor revisions to the statistical reporting, this paper would make a solid contribution to the field.

Declarations

Potential competing interests: No potential competing interests to declare.

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