Open Practices Disclosure

Manuscript Title: Integrating AI into Back-Translation: Opportunities, Constraints, and Recommendations for Psychological Research

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2. Was the analysis plan registered prior to examination of the data or observing the outcomes? If no, explain.**

   Yes. Studies 4 and 5 were registered with analysis plans before examination of the data or observation of outcomes.

3. Were there additional registrations for the study other than the one reported? If yes, provide links and explain.*

   No. There were no additional registrations beyond the Study 4 and Study 5 registrations listed above.

4. Were there any changes to the preregistered analysis plan for the primary confirmatory analysis? If yes, explain**

   Yes. For Status Importance, the preregistration referred to a two-dimensional specification, whereas the analyses followed the scale's validated unidimensional structure (Rigoli & Mirolli, 2024). The preregistered primary estimator, pairwise group comparisons, and sequence of full configural, metric, and scalar invariance tests were retained as preregistered. The planned WLSMV/DWLS sensitivity analyses and partial-invariance follow-up models were not conducted, as explained below.

5. Are all of the analyses described in the registered plan reported in the article? If no, explain.*

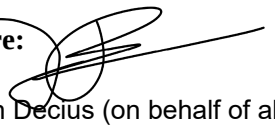
   No. All preregistered primary analyses using robust maximum likelihood, including the pairwise tests of full configural, metric, and scalar invariance, were conducted and reported. The planned WLSMV/DWLS analysis was specified as a sensitivity analysis rather than as part of the primary decision framework and was not conducted. We retained MLR to preserve direct analytic comparability with Study 3 and a single, internally consistent primary estimation and model-comparison framework across the two studies. Because MLR and WLSMV/DWLS differ in their treatment of observed indicators, model parameterization, fit statistics, and difference-testing procedures, and because the preregistration did not specify how potentially discrepant conclusions across estimators would be adjudicated, we did not introduce a post hoc cross-estimator decision

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Dr. Julian Decius (on behalf of all authors)