

Review of: "Mobile Phone Recycling and Stockpiling Behaviour in the UAE: A Gender and Age Study"

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Potential competing interests: No potential competing interests to declare.

While the paper "Mobile Phone Recycling and Stockpiling Behaviour in the UAE: A Gender and Age Study" provides valuable insights into mobile phone recycling behavior, there are certain weaknesses and limitations that should be acknowledged:

Sample Selection Bias: The study employs a non-probability self-selection sampling technique, which may introduce selection bias. Respondents who participate in the survey might have specific motivations or characteristics that differ from the broader population. This could affect the sample's representativeness and potentially lead to skewed results.

Reliance on Self-Report: The study relies on self-reported data from survey responses, which can be subject to recall and social desirability biases. Participants might need to accurately remember their past behaviors or provide answers they perceive as socially acceptable, leading to less reliable data.

Limited Scope of Factors: The paper extends the Theory of Planned Behavior (TPB) and integrates additional factors from the Integrated Business Model (IBM). However, other relevant factors, such as cultural norms, access to recycling facilities, and economic incentives, could also influence recycling behavior. These factors should be revised to ensure a complete understanding of the motivations behind recycling decisions.

Data Analysis and Interpretation: The study provides extensive tables and figures to present data, but the interpretation of these results could be enhanced with more sophisticated statistical analyses. This could include multivariate analyses to understand better the interactions between different variables and their impact on recycling behavior.

In summary, while the paper contributes valuable insights into mobile phone recycling behavior and demographic differences, these weaknesses should be considered when interpreting the study's findings and applying them to broader contexts. Addressing these limitations could strengthen the research's credibility and applicability.