

Review of: "Augmented Reality (AR) Technology on Student Engagement: An Experimental Research Study"

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Potential competing interests: No potential competing interests to declare.

The methodology is amazing! Congrats!!

Developing quantitative and qualitative research is the best way to measure and deeply understand the phenomenon.

In addition, although it is described in a brief way, it is well described.

I am not sure about my contributions because now you have a new version of the paper. However, I'll give you the suggestions I had for the previous version anyway.

The author could insert the research instruments (questionnaire and interview guide) as a table. The objective of this table is to explain the theoretical framework (variables, indicators, and their relationships), as well as how to analyze the data. This table can summarise the theoretical framework (for example, with the categories and respective concepts/variables, as well as their indicators or units of analysis).

In addition, the authors can offer an analysis of the data instead of the data itself (tables 1 to 4), preferably with some kind of legend. The objective is to make it easier to understand.

In order to improve the value of the research, it is suggested to better explain this conclusion: "These results indicate that the intervention with AR technology did not lead to a statistically significant difference in knowledge improvement compared to traditional teaching methods". Is there anything that could be emphasized in a positive way? (e.g., motivation *(72% found the interactive elements, such as 3D visualizations and virtual simulations, beneficial for learning; or Positive Expectations: 45%, Highly Engaging: 40%, Increased Participation: 35%; or 68% which found AR technology engaging; or 60% believed that AR technology improved their understanding of the subject matter)*).

Finally, in terms of writing, having continuous text is more appropriate than having bulleted items.

I really hope it helps!