Review of: "Decoding the Correlation Coefficient: A Window into Association, Fit, and Prediction in Linear Bivariate Relationships"

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Potential competing interests: No potential competing interests to declare.

Having gone through the paper, the following recommendations are made:

1. The typesetting of the mathematical symbols and notations should be reconsidered. If the author used word editor to typeset his document, then he can address this by using the equation editor functionality or download the Math type add in package.

2. I believe the intended audience of this article encompasses readers who may have non basic understanding of regression models. Therefore, it will be more appropriate to use simulation approach to back the arguments presented here. This may be even more useful to readers with basic and advance knowledge in regression analysis.

3. In using simulation approach, for example, the author can show how a change in X by different values of SDx will impact on the change in Y through r*SDy and then possibly visualise the set of data generated. In this case, it will make following the arguments presented here more clear to all types of readers and enrich the arguments too with empirical support.

I believe that when these suggestions are taking into consideration,the quality of the paper will be greatly improved.