

Review of: "Influence of Motivation on Pre-service Primary Teachers' Performance in Mathematics"

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Potential competing interests: No potential competing interests to declare.

It is interesting research in a particular context of which anything except the name of the school is said. I find interesting the fact that information not only on western countries is being reported on mathematics education, to depict whether or not it is uniform, which characteristics are same and which are different. I don't mean that this study must be a comparative one, but I would like to learn in the reading more about how preservice teachers access the programmes, for instance, and how the education system works in this country. It is worth to include it in the paper, in my opinion.

I find the writing to neutral, without any reference to the context, that, I guess can enrich the paper.

Thank you for the opportunity to revise your paper, which is really worth publishing, with some modifications that I recommend, with the aim at improve the knowledge on mathematics education worldwide.

Regards

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Abstract: it is better to use in the abstract a IMRD structure, this case I, introduction, missing. In M, method, the design is correlational, and uses a survey as instrument, although latter it is said that a questionnaire was used. Survey is not exactly a questionnaire, and he words are important to use with precision and uniformiy through he paper.

Modify: ...The study employed a correlational survey research design... in Abstract and Methodology

Introduction:

In "Motivation stands out as one of the critical factors that should be examined in human performance (Hafizul, Che, Mohd, and Khairulanuar, 2017)." More international studies support this statement. So, include any other in addition.

Methodology:

..."rated on a four-point scale ranging from strongly agree, agree, disagree, and strongly disagree"

Was the scale a Liker scale? If so, indicate.

Consider in this section a structure like:

Sample or participants

Instrument

Procedure

Data analysis

In each, explain each part more deeply.

Research questions:

The following research questions were raised and tested in the study at the 0.05 level of significance:

The research questions are posed separately from the method. The study is quantitative, but the level of significance should be indicated in “data analysis” a subsection in Method, not in the RQ.

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Results:

Introduce the RQ 1 one any text. For instance: To answer RQ1, the correlation between the variables performance and intrinsic motivation is analysed and shown in table 1.

Table 1: it is confusing because it is a table with 2 rows and 2 columns, so the diagonal must show a 1 correlation factor, and is not the shown there.

Interpretation: the author writes: “the correlation between intrinsic motivation and performance in Mathematics gave a Pearson Correlation Coefficient (r) value of 0.814, indicating a strong positive association between the two variables. Also, the p-value of the association was 0.001, indicating a highly correlated result.”

he value of r indicates strength in the relation, right, but the p-value doesn't have to do with strength but with significance, or certainty. It means that at 0.05 significance, the relation exists and is strong ($r > 0.4$, see Andie Field Discovering statistics with SPSS (2013)).

A similar confusion exists in table 2 with the crossing of rows and columns, and so with the interpretation.

Discussion:

A brief summary recalling the aim of the study, and how it was afforded methodologically is interesting as the first paragraph of the Discussion section.

References and in text cites follow APA style, which is not the shown here:

Introduction: ... (Gbolli and Keamu, 2017); (Gutiérrez and Tomás, 2018)

There are more in text references with three or more authors that don't comply with APA 7th edition. Revise.

