Review of: "Analogical Visuospatial Matrix Reasoning, Verbal Relational Reasoning, Verbal IQ and Memory Relationships With Maths and Science: A Behavioural and fMRI Study"

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Potential competing interests: No potential competing interests to declare.

The authors investigated multiple relationships between working memory, verbal IQ, visuospatial reasoning, and verbal reasoning with performance in maths and science accuracy. The manuscript was well structured. The materials and methods section was detailed.

Verbal IQ, verbal WM, and verbal reasoning (VerbAR) were found to be the three strongest predictors of maths and science accuracy. This probably explains how understanding math and science is essential to success in nearly all aspects of life.

I have a few concerns. Was there any sample size calculation before initiation of the study? How were the participants recruited? Was the selection through convenience sampling? Why did you exclude the participants with low accuracy scores?

It would be better to add fMRI imaging showing the brain activation areas.