



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_25707
Title of the Manuscript:	Assessing Unidimensionality, Reliability and Validity by Using Pooled Confirmatory Factor Analysis
Type of the Article	Short Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1. Author must change the name of the manuscript. One possible title maybe that Factor structure and reliability of Attitudes of Biostatistics Scale in culture. 2. Author must give information about participants in abstract section. 3. Fitness must change along the manuscript. Author use fitness word instead of goodness of fit. 4. through four model have to change in abstract section to stage . 5. "variable students' attitude"must delete in abstract section. 6. Author must give information about limitation and future studies in abstract section and in the end of the manuscript. 7. Page 1, Line 15 change multivariate tool to multivariate statistical method 8. Page 1, Line 16 instead of and use and/or latent variables. 9. change Hair et. al, (2010) to Hair et. al [9] 10. rewrite this sentence "This validatin prodecipure is called confirmatory factor analysis (CFA) and according to Hair et. al, (2010) explain CFA can be namely as the measurement model." It is difficult to understand in Page 1, Line 17-19. 11. Delete by the CFA Page 1, Line 25. 12. Which previous study add reference. Page Page 1, Line 28-29. 13. Add citation to this sentence. "However, pooled CFA is	I have change the name of the manuscript to Factor Structure, Reliability and Validity of Attitudes of Biostatistics Scale. I also have include the information about participants. As recommend, I change word Fitness to goodness of fit along this manuscript. Add citation to some sentence as recommended by Reviewer Round up all number in the tables I cannot reduce or delete any table because all the table are important for assessing factor structure, reliability and validity. Lastly, I have check my English in the text. So that, I very agree with the Reviewer's comment and I have made corrections based on the comments for this manuscript. Best regards. Thank you



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	more efficient and highly suggested compare to run CFA separately for each latent variables." page 1, line 27-28. 14. What is this four latent constructs? Please add their names. page 1, line 32. 15. The introduction is very brief and lack of strong support to implement this study. Author give information about previous studies related to Attitudes of Biostatistics Scale and have to give information about importance of study and in the last section author must to develop hypothesis related to his/her study. 16. Change "variables reliability and validity " to instruments'/scales' in page 1, line 42. 17. add such as exploratory factor analysis and Cronbach alpha reliability after older models page 1, line 42. 18. Add citation to Page 2 line 44 after "pooled confirmatory factor analysis." 19. Page 2 line 48, change address to handle and add In other words before By using PCFA. 20. Up to me, page 2 line 50-56 have to change page 2, line 58-64. 21. As has been discussed earlier have to change As has been discussed above. Page 2 line 62. 22. Page 2 line 68 change Unidimensionality to Unidimensionality 23. Change cronbach alpha to Cronbach alpha internal consistency coefficient. 24. Page 2, line 75 change specify to respecify. 25. change "fitness indexes "to goodness of fit indexes. Page 2, Line 87-88. 26." In the normal practices, the researchers would delete one of the items and then specify the model again. need citation. " This statement is over generalization and wrong. Because modification indexes may be results of parallel item wordings or as a result of response style(i.e. negatively worded items). Thus I recommend to delete this	
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	sentence. 27. Change Fitness of to Goodness of fit in measurement model Page 3 line 129. 28. Manuscript need extensive academic English editing. 29. Author must add which estimation method used. 30. the statement below is wrong and must deleted. This questionnaire is using continuous scale since the likert scale from 1(Strongly Disagree) to 10(Strongly Agree) is performed. Page 4, line 150-151. 31. Change Holmes-Smith et al., (2006) to Holmes-Smith et al. [10] Page 3 line, 134. 32. restate following sentence it is difficult to understand. "If not, some of the questions will be removed and the remaining question will be proceeded for the subsequent analysis. In other words, the removal questions may not appropriate for the case study.". Page 4, line 153-154. 33. change these five variables (Page 4, line 145-146) to these four latent variables. 34. Change baseline comprasion (Page 4, line 172) to comparative fit indexes and delete NFI in the paranthesis. 35. The sentence begin with basically (Page 4, line 177-179) is wrong and must deleted. 36. Round up all number in the tables. For example, RMSEA = 0.084 to RMSEA = 0.08, CFI = 0.979 to CFI = 0.98 . 36. Author must give degrees of freedom in Chi-Square. 37. Change Table 6 title to Correlation among latent variables. 38. Try to reduce Table number. 39. Author have to add a discussion section separately. 40. Author have to add limitations and future studies in conclusion section.	
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<u>Minor</u> REVISION comments	1. I recommend to change This paper aimed to The aim of this study.	
<u>Optional/General</u> comments	1. Although the article planned as a brief article, all section of this manuscript must substantively improved especially, introduction, discussion and conclusion section. Author never give information about previous studies. and the reasons behind his/her study. 2. Author use pooled confirmatory factor analysis to test factor structure and reliability of Attitudes of Biostatistics scale. However, the difference between traditional confirmatory factor analysis and pooled confirmatory factor analysis is that correlation added between latent variables. This approach is common in practice when latent variables are theoretically associated. Thus, In fact this approach is must used. Although author posit that multicollinearity occur when latent variables highly correlated. however, this is not the case for this scale. 3. The article needs extensive English editing.	