

Review Form 3

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_128648
Title of the Manuscript:	Expectation Maximization Algorithm for Weighted k-components Gaussian Mixture: An Application to High Frequency Financia Data.
Type of the Article	

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The results of this research are useful in reducing the risk of modelling high-frequency financial data. The results of this research are suitable for reducing the risk of high-frequency financial data models. This research develops the Weighted k-components Gaussian Mixture Model.	
Is the title of the article suitable? (If not please suggest an alternative title)	The purpose of the research is to develop the Weighted k-components Gaussian Mixture model. A more appropriate title: Developing the Weighted k-components Gaussian Mixture model using Expectation Maximization Algorithm to Reduce Risk in Modelling High-Frequency Financial Data	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes, The abstract of the article is comprehensive, But The purpose of the research should be revised.	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The following sources should be used to complete the literature: https://doi.org/10.1063/5.0117119	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	1- The purpose of the research should be revised. Reference should be made to Weighted k-components Gaussian Mixture model development.	

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Are there ethical issues in this manuscript?</u>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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