Review of: "An Alternative to the Merton Jump-Diffusion Model: A Simple, Explicit Formula"

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Potential competing interests: No potential competing interests to declare.

REVIEWER'S COMMENTS

The following are the comments based on the review of the paper titled:***An Alternative to the Merton Jump-Diffusion Model: A Simple, Explicit Formula.*** **The paper can be accepted if the following issues can be fixed.**

1 According to the title: ***An Alternative to the Merton Jump-Diffusion Model: A Simple, Explicit Formula***

Are there no other methods to the Merton's Model in the Literature? What is the difference between this method and the others?

2 In the abstract, it was stated that ***"we provide a simple, explicit formula that doesn't require a computational method"***

The method used should be specified

3 Under the Introduction***, previous models do not clearly capture the intuitive and desirable features captured***

Could you state categorically the features that were not captured in the previous models?

4 In this paper, we overcome these limitations. In doing so, without a loss of generality, we provide a far simpler, explicit formula that doesn't require any numerical/computational methods

Details of the existing formula and their limitations should be provided and more so, new methods should be specified

5. State as part of the introduction, the motivation of this alternative method

6. The problem in this work is ***not well-posed*** (***give an explicit definition of the statement of problem***)

7. All equations should be typed using Latex; I suggest typesetting of this paper using Latex

8. What justifies the expected value in the expression given after equation (8).

9. Eqns. 11 and 12 are not given.

10.Give details of how eqn. 13 was obtained since it is a new method.

11. More Robust numerical applications are needed to buttress your point

12. Authors are advised to use more standard referencing styles as suggested by the Editors

13. Plagiarism result via the turnitin check shows high similarity with existing Literature..