

### Review Form 3

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|--------------------------|--|
| Journal Name:            | <a href="#">Asian Journal of Probability and Statistics</a>              |
| Manuscript Number:       | Ms_AJPAS_129877  |
| Title of the Manuscript: | A Sine-Ishita Distribution: Properties And Applications To Survival Data |
| Type of the Article      | Research   |

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### PART 1: Review Comments

| <b>Compulsory</b> REVISION comments  | <b>Reviewer's comment</b>  | <b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|--|---|
| <b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b>                        | The paper extend the Ishita distribution using the Sine-G family. Various mathematical properties of the new propositions are presented and real life applications are made on four dataset. Result show that the new proposition gives better fits to the dataset.  |   |
| <b>Is the title of the article suitable? (If not please suggest an alternative title)</b>  | SINE-ISHITA DISTRIBUTION: PROPERTIES AND APPLICATIONS TO SURVIVAL DATA   |   |
| <b>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.</b>   | <b>In the Abstract Section</b> , since the Sine-G family have been used to extend other distributions and other techniques have been used to extend the Ishita distribution, the word 'novel' should be deleted<br>A statement on the choice/inherent advantages of the Sine-G family to extend the Ishita distribution should be presented.<br>A statement on the decision criteria (to know the best distribution) should be presented.                          |   |
| <b>Are subsections and structure of the manuscript appropriate?</b>  | Yes  |   |
| <b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b> | The authors do not justify the choice of competing distributions (used to compare the performance of the new proposition)<br>Under Maximum Likelihood Estimation of the parameters of the new proposition in section 4, the authors failed to state the library in R used to perform the Newton-Raphson Algorithm.<br>The authors must be consistent on the number of decimal places in the tables (for example, 2 or 4 decimal places can be adopted all through) |   |
| <b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>   | The authors are advised to be consistent with referencing style and strictly follow the journal's format   |   |
| <b>Minor</b> REVISION comments<br><b>Is the language/English quality of the article suitable for scholarly communications?</b>   | Yes, except few typographical and space error. The authors are advised to carefully glance through the manuscript for few of this.   |   |
| <b>Optional/General</b> comments   | <b>PLEASE SEE ATTACHMENT</b>   |   |

#### PART 2:

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

#### Reviewer Details:

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|----------------------------------|--|
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