

Review Form 1.7

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|--------------------------|---|
| Journal Name:            | Asian Research Journal of Mathematics   |
| Manuscript Number:       | Ms_ARJOM_110441   |
| Title of the Manuscript: | Estimation of Probability of Earthquakes in Zimbabwe Using Gumbel’s Extreme Value Theory Method |
| Type of the Article      | Original Research Article   |

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) |
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| <p><b>Compulsory</b> REVISION comments</p> <p>1. Is the manuscript important for scientific community?<br/>(Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable?<br/>(If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>1. The manuscript holds significance for the scientific community as it provides valuable insights into earthquake probability estimation using Gumbel's Extreme Value Theory Method in Zimbabwe. By offering statistical analysis and predictions regarding earthquake magnitudes and their likelihood within specific time frames, the manuscript aids in seismic risk assessment and planning, crucial for both scientific understanding and practical preparedness.</p> <p>2. <b>YES</b></p> <p>3. The abstract provides a comprehensive overview of the manuscript's objectives, methodology, key findings, and conclusions. It succinctly summarizes the study's approach, data sources, and significant outcomes, effectively encapsulating the essence of the research.</p> <p>4. <b>YES</b></p> <p>5. <b>YES</b></p> <p>6. The manuscript includes a comprehensive list of references spanning various studies related to seismicity, extreme value theory, and earthquake probabilities.</p> <p><b>Minor : The equations are not properly aligned in some places.</b></p> | <p>This has been corrected as observed by the reviewer in the revised article 1</p>   |
| <p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>  |  |   |
| <p><b>Optional/General</b> comments</p>  | Accept after minor changes   |   |

PART 2:

|  | 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) |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) |   |