

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_108780
Title of the Manuscript:	LONG TERM AND SEASONAL RAINFALL TREND IN BAPATLA DISTRICT OF ANDHRA PRADESH USING ADVANCED STATISTICAL METHODS
Type of the Article	

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The manuscript examines an important topic of analyzing rainfall trends in the Bapatla district of Andhra Pradesh, which has implications for agricultural planning and water resource management. However, the manuscript in its current form needs significant improvements.</p> <p>Must be improved. Advanced statistical models seem too general and a big claim.</p> <p>Must be improved.</p> <p>Can be improved. Refer to comments.</p> <p>Adequate information for repeatability and evaluation of the experiment must be provided.</p> <p>It is recommended to compare the results with studies focused on low-cost statistical models such as ARIMA. e.g., https://doi.org/10.12691/AJWR-5-4-1</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Recommended to get help from a native speaker to revise it.</p>	
<p>Optional/General comments</p>	<p>The manuscript examines an important topic of analyzing rainfall trends in the Bapatla district of Andhra Pradesh, which has implications for agricultural planning and water resource management. The manuscript seems reasonably formatted. However, the manuscript in its current form needs significant improvements and addressing all the major issues highlighted below.</p> <p>Major Issues:</p> <p>The introduction needs significant improvement. The background and motivation for the study are not clearly justified. Elaborate on the research gap this study aims to address.</p> <p>The objectives of the study are not explicitly stated. The authors should clearly define the aims of the research.</p> <p>The description of the study area lacks key details. Information on location, climate, cropping patterns is inadequate. This context needs to be expanded.</p> <p>The methods section requires more details on the rationale behind the selection of statistical tests. Justify why these specific techniques were chosen.</p> <p>There are no details provided on data analysis tools/software used. This information should be included in the methodology.</p> <p>The results are not presented logically. Use more descriptive headers for each analysis conducted. Present the results in order of the objectives.</p> <p>The discussion of the results is superficial and does not adequately cover the key findings and their significance. This needs to be expanded.</p> <p>The authors make very broad conclusions without linking back to the results obtained. The conclusions must specifically address the research objectives.</p> <p>The practical implications of the findings for local agriculture, water management and policy are not discussed at all. This limits the impact of the study.</p> <p>References are incomplete with journal titles and formatting issues. Cross-check and format as</p>	

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	<p>per journal guidelines. The authors need to emphasize what new insights their work provides over previous literature. The writing quality needs substantial improvement. There are issues with flow, structure, formatting, grammar and syntax. Extensive editing is required.</p> <p>Pay close attention to presenting a sound motivation, objectives, robust methods, logical results and insightful discussion of key findings and their implications.</p>	
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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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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