

Review Form 1.7

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_110776
Title of the Manuscript:	Box Jenkins for Forecasting Access to Clean Energy for Climate Mitigation in Tanzania: The Reality or a Myth?
Type of the Article	Original Research 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"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> This manuscript is highly relevant to the scientific community, especially those focused on climate change, energy access, and sustainable development. The paper addresses the critical issue of climate change and its impact on livelihoods, with a specific focus on Tanzania. By exploring the relationship between access to clean and reliable energy and climate change mitigation, the paper contributes valuable insights that can inform policymakers, researchers, and practitioners working in the field of sustainable energy and environmental science. The title "Access to Clean Energy and Climate Change Mitigation: A Case Study of Tanzania" is suitable as it clearly reflects the central themes of the manuscript. It effectively communicates the focus on clean energy access and its implications for mitigating climate change in the context of Tanzania. No alternative title suggestions are necessary. The abstract provides a comprehensive overview of the manuscript, summarizing the key objectives, methods, results, and conclusions. It effectively communicates the importance of the study and its potential implications. No significant improvements are needed in this section. The manuscript's structure is generally appropriate, with clear subsections that guide the reader through the introduction, methodology, results, discussion, and conclusion. However, the introduction could be more concise while still conveying the urgency and importance of the research question. Additionally, the transition between subsections could be smoother for enhanced readability. The manuscript appears scientifically sound, employing the Box-Jenkins methodology and ARIMA model for time series analysis. The detailed explanation of stationarity tests, correlogram analysis, and the Augmented Dickey-Fuller Test demonstrates a robust methodology. The inclusion of the Portmanteau test for white noise and diagnostic observations further strengthens the credibility of the results. However, it would be beneficial to elaborate on potential limitations and uncertainties associated with the forecasting model. The references include relevant sources, and the citation of recent studies enhances the credibility of the manuscript. However, it is advisable to ensure that the references cover a broad spectrum of perspectives, including regional and global studies on clean energy access and climate change mitigation. If available, incorporating references beyond 2021 would further enhance the currency of the literature review. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The English language in the provided article is generally suitable for scholarly communication. The article discusses the impact of climate change on agriculture, the importance of access to clean energy, and focuses on Tanzania's efforts in increasing access to electricity. It also presents a forecasting model using ARIMA to predict the future trend of electricity access in Tanzania.</p> <p>Here are a few suggestions for improvement:</p> <p>Clarity and Structure: Some sentences are quite lengthy and may benefit from being broken down for clarity. Consider organizing the content into clear sections with subheadings to enhance readability.</p> <p>Grammar and Syntax: In some places, the sentence structure could be improved for better flow. For example, "The bundles of most renewable energies fall in the class of clean energy (Stiles & Murove, 2015)" might be clearer as "Most renewable energy sources, including wind, solar, ocean, geothermal, and bioenergy, are classified as clean energy (Stiles & Murove, 2015)."</p> <p>Citations:</p>	

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	<p>Ensure consistency in citation style. For example, use either "et al." or list all authors' names, but don't mix both.</p> <p>Data Presentation: Consider presenting data in tables or figures where appropriate. This can enhance the visual appeal and make it easier for readers to grasp trends.</p> <p>Redundancy: Be mindful of repetitive phrases. For instance, the phrase "clean form of energy" is used several times. Consider varying the language for better expressiveness.</p> <p>Proofreading: Run a thorough proofread to catch minor grammatical errors and typos.</p> <p>Discussion and Implications: Consider expanding the discussion section to provide more in-depth analysis and implications of the forecast results. What are the potential consequences of the declining trend in access to electricity?</p> <p>Recommendations: Elaborate on the recommendations. What specific actions can energy utility, development partners, and planners take to address the forecasted decline in electricity access?</p> <p>Concluding Remarks: The conclusion could be strengthened by summarizing the key findings and their broader implications for climate change mitigation in Tanzania.</p>	
<p>Optional/General comments</p>		

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

<p>Name:</p>	<p>Chet Narayan Acharya</p>
<p>Department, University & Country</p>	<p>Tribhuvan University, Nepal</p>