

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Probability and Statistics</b>
Manuscript Number:	<b>Ms_AJPAS_118598</b>
Title of the Manuscript:	<b>MODELING THE EFFECT OF A RANDOM ENVIRONMENTAL PERTURBATION ON THE DATA PRECISION IN NIGER DELTA CRUDE OIL PRODUCTION USING NUMERICAL METHODS</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

	<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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>The manuscript is important for the scientific community as it applies continuous dynamical systems and numerical methods to study the precision of Niger Delta crude oil production data. This research provides valuable insights into understanding the dynamics of crude oil production and revenue generation in the Niger Delta region, which has significant implications for policymakers, industry stakeholders, and researchers in the field of energy economics and resource management.</p> <p>The title of the article, "Analysis of Data Precision Indices in Niger Delta Crude Oil Production Using Continuous Dynamical Systems Approach," is suitable as it accurately reflects the scope and focus of the manuscript. It clearly indicates that the study pertains to the analysis of data precision indices in the context of Niger Delta crude oil production using a continuous dynamical systems approach.</p> <p>The abstract of the article appears comprehensive as it succinctly summarizes the research objectives, methodology, key findings, and implications of the study. It provides a clear overview of the manuscript, enabling readers to understand the significance of the research and its relevance to the field.</p> <p>The subsections and structure of the manuscript seem appropriate, as they logically organize the content and facilitate readability. The manuscript appears to follow a coherent structure, with sections dedicated to numerical results, analysis, conclusions, and references, which enhances clarity and comprehension for readers.</p> <p>Based on the information provided, the manuscript appears to be scientifically correct. The application of continuous dynamical systems and numerical methods for analyzing crude oil production data is a valid approach, and the findings presented in the manuscript are supported by the data and analysis presented.</p> <p>The references provided in the manuscript seem sufficient and relevant to the topic. However, it may be beneficial to include more recent references, especially in rapidly evolving fields such as energy economics and resource management. Suggestions for additional references could include recent studies on oil production dynamics, environmental impacts of oil extraction, and advancements in numerical methods for analyzing complex data sets.</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>The language and English quality of the article are generally suitable for scholarly communication. However, there are some areas where minor revisions could enhance clarity and readability. These revisions may include refining sentence structures, ensuring consistent use of terminology, and eliminating any grammatical errors or awkward phrasings. Overall, the language proficiency is adequate for scholarly communication, but attention to these minor details would further improve the article's quality.</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>The manuscript presents a novel application of continuous dynamical systems to analyze data precision indices in Niger Delta crude oil production, using ODE45 numerical methods. It offers valuable insights into the dynamics of crude oil production, which is crucial for stakeholders in the oil and gas industry, environmental researchers, and policymakers. The title effectively summarizes the research focus, while the abstract provides a concise overview of the study's objectives, methods, and findings. The manuscript's structure is logical, with well-defined subsections guiding readers through the research process. Scientific correctness is demonstrated through rigorous methodology and clear presentation of results. While the references cover a wide range of relevant topics, a few recent additions could enhance the manuscript's credibility further. Overall, with minor revisions to address language quality and abstract clarity, the manuscript holds promise for making a significant contribution to the scientific community.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<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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