

### Review Form 3

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_129329
Title of the Manuscript:	Jump-Preserving Estimation and Jump Detection for Nonparametric Model with Missing Data in the Covariate
Type of the Article	Original Research Article

#### **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: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	<p>The manuscript significance for the scientific community needs to be more explicitly stated upfront. While researcher discuss applications, adding 3-4 sentences specifically addressing how this advances statistical methodology would strengthen the paper.</p> <p>Consider adding a brief overview paragraph after the introduction outlining the key contributions and innovations of your specific approach compared to existing methods to help orient readers</p>	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<p>Consider revising manuscript title to be more concise while maintaining clarity. A suggested alternative: "Jump-Preserving Estimation for Nonparametric Models with Missing Covariates"</p>	
<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>	<p>The manuscript abstract effectively summarizes the key components of this research, particularly in explaining how researcher proposed method is capable of automatically accommodating possible jumps in the nonparametric function, without the requirement of prior knowledge regarding the number and locations of jump points.</p>	
<b>Is the manuscript scientifically, correct? Please write here.</b>	<p>Yes, abstract effectively summarizes the key contributions, clearly stating, consider estimating discontinuous nonparametric model with missing covariate data and outlining the novel methodological approach.</p> <p>The manuscript demonstrates strong technical expertise in the methodology section, particularly in developing the theoretical framework for jump-preserving estimation with detailed mathematical proofs.</p>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<p>No, In reference list is comprehensive and includes a wide range of relevant statistical and methodological sources.</p> <p>Add 2-3reference year 2024.</p>	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	<p>Yes</p>	
<b><u>Optional/General</u> comments</b>	<p>Watch for consistency in mathematical notation - sometimes variables are defined multiple times with slight variations (e.g., the selection probability notation varies between sections)</p> <p>Several paragraphs are quite long and dense - consider breaking them into smaller chunks for improved readability</p> <p>Use of transition phrases between sections to improve flow - some sections feel abruptly connected, particularly between theoretical development and numerical studies</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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