

Review Form 1.7

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_112444
Title of the Manuscript:	Discriminant Analysis and Naïve Bayes Classifier for Classification of Cities/Regencies in Java Island Based on Human Development Index (HDI) Indicators
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"> 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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript is indeed significant for the scientific community, as it tackles the crucial task of classifying cities/regencies in Java based on Human Development Index (HDI) indicators. The use of linear discriminant analysis (LDA) and Naïve Bayes Classifier (NBC) adds a quantitative dimension to understanding regional development, and the study's focus on the densely populated Java Island in Indonesia enhances its relevance. Suggestion to Author: Consider discussing potential implications of the findings for regional policymakers or practitioners, providing insights into how the classification can inform targeted development programs. 2. The title of the article is appropriate, accurately reflecting the research's core components. However, a slight modification could enhance clarity, such as "Classification of Java Cities/Regencies Based on HDI Using LDA and NBC." Suggestion to Author: Consider rephrasing the title for improved specificity and readability. 3. The abstract is well-structured and provides a comprehensive summary of the research, including objectives, methodology, results, and conclusions. It effectively communicates the study's key aspects. Suggestion to Author: Ensure that the abstract highlights any novel contributions or practical implications of the research for a more impactful impression. 4. The subsections and overall structure of the manuscript are appropriate, aiding in the clear presentation of the research. The inclusion of distinct sections like "Data and Methodology," "Literature Review," and "Results" enhances readability. Suggestion to Author: Maintain consistency in terminology and formatting throughout the manuscript to further enhance clarity. 5. The manuscript appears scientifically sound, employing robust statistical methodologies like LDA and NBC. The inclusion of assumptions, formulas, and evaluation metrics contributes to the methodological rigor of the study. Suggestion to Author: Provide a brief discussion on the limitations of the chosen statistical methods, acknowledging potential constraints or assumptions that might impact the results. 6. While the references are relevant, it's advisable to ensure they are up-to-date, given the evolving nature of statistical methodologies and development indices. Consider incorporating more recent references to enhance the currency of the literature review. Suggestion to Author: Review the literature and include recent publications that might provide additional insights or advancements in discriminant analysis, Naïve Bayes, and HDI classification. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>The manuscript is well-written, with clear and coherent sentences. The technical terms and concepts related to statistical methodologies are appropriately explained. However, a thorough proofreading to address minor grammatical issues and ensure consistency in language usage could further enhance the overall quality of the article.</p>	

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Optional/General comments		
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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>	

Reviewer Details:

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