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| Journal Name: | [**Asian Journal of Probability and Statistics**](https://journalajpas.com/index.php/AJPAS) |
| Manuscript Number: | **Ms\_AJPAS\_131730** |
| Title of the Manuscript: | **Best Method Among Three Trend Analysis Methods and Its Forecasting** |
| Type of the Article | **Research** |

**PART 1: Comments**

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|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part*  *in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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.** | **The paper entitled Best Method Among three Trend Analysis Methods and Its Forecasting, deals with HDI calculation, on three techniques has been used. The result as per the expected line as well unique and scientific in nature.** | Section I Introduction page 2.  From the background above and the pattern of the plot of the HDI data (increasing trend), we then focused to study HDI as time series data using trend analysis methods. The paper deals with HDI calculation (simulation data) to identify which one be the best model among three type of the trend analysis methods, namely least square method, trend quadratics method and exponential trend method. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **ok** |  |
| **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.** | **ok** |  |
| **Is the manuscript scientifically, correct? Please write here.** | ok |  |
| **Are the references sufficient and recent? If you have**  **suggestions of additional references, please mention them in the review form.** | Format can be checked again | Section I Introduction page 2  In the theory of statistics, we note that there are three important  concepts of the hypothesis testing in rejecting null hypothesis, namely (1) probability error type I ( ) , (2) a probability error type II ( ) and (3) a power {Wackerly et al.[1]). |
| **Is the language/English quality of the article suitable**  **for scholarly communications?** | ok |  |
| **Optional/General** comments |  |  |

**PART 2:**

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|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | No ethical issues because the data is only used as a simulation (as secondary data) |