Review Form 1.7

Journal Name:	**Journal of Advances in Mathematics and Computer Science**
Manuscript Number:	**Ms_JAMCS_103547**
Title of the Manuscript:	**Robust Ratio Estimation with an Application to Covid-19 Data from Louisiana**
Type of the Article	

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

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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)*
Compulsory REVISION comments **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.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**1. Yes** **2. Yes** **3. Yes** **4. Yes** **5. Yes** **6. Yes**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Yes	
Optional/General comments	1. The example in section 6. is interesting and it can be used to help readers understand the method. Can you provide more details about how to calculate the estimate? For Case I, there are 45 days of data on deaths and new cases between 7/1 and 8/14. Is n=14? What is N? Is the average number of cases over those 14 days denoted by $\bar{z}$? In words, what is $\bar{Z}$? If possible, it would help to put the entire dataset (45 bivariate pairs of cases and deaths) in an appendix and all the numerical calculations of the statistics and intermediate statistics such as S_z^2 . If you have an R program to show how to calculate them, this would be very helpful. 2. For Case I in section 6, in words, what does $\bar{y}_p$ estimate? Would it be the average number of deaths expected in all days after 8/14? 3. For the simulation scenarios in Table 1, the MSE is estimated by simulation by averaging the squared differences between estimates and the true parameter. For each simulated dataset, you can also estimate the MSE using formulas (1.3) and (3.6). Then, you can average those estimated MSE across datasets to determine if the estimated MSE is a good estimate of the true MSE for these scenarios. Have you done that?	

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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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**John Lawrence**
Department, University & Country	**USA**