



SDI Review Form 1.6

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_44429
Title of the Manuscript:	A Classification Study of Rain Fall Oscillation in Tamil Nadu with Effect of Agricultural Product Import
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<p>The the authors investigated "A Classification Study of Rainfall Oscillation in Tamil Nadu with Effect on Agricultural Product Import". The aim of the work is to study variations in rainfall pattern that will improve the understanding of climate change and the impacts on the different districts in the region. Using the Indian Meteorological monthly rainfall data covering 2007-2013, it was observed that the rainfall varied strongly from high level, moderate level to low level within the grouped clusters; this result is also reflected in the amount of imported and exported agricultural products in the study periods.</p> <p>This is a good study that might improve agricultural outputs and the overall economy of the society. However, I don't recommend the manuscript for publication as it is now. This is because the manuscript is full of repetition, it is not scientifically written. Hence, the author should improve the presentation of the results. Also, the data is too short (2007-2013) because 30 years long data is needed for understanding climate change. Thus, I believe that the manuscript should be thoroughly adjusted before it could be published.</p>	<p>Reviewer's comments are up to the mark it's made me to learn how to do the analysis and how to write a Research paper. Regarding the Five year period, In Tamil Nadu during (2007 – 2013) there was huge climatic changes compare to last 30 years. We want to examine the Agricultural import and Export in that particular period that's the reason we have used Five year period data.</p>
Minor REVISION comments	<p>The title should be adjusted to A Classification Study of Rainfall Oscillation in Tamil Nadu with Effects on Agricultural Product Import".</p> <p>Abstract Line 9 - Adjust as: ... atmospheric dynamics. This research Line 9-11 - The sentence is not clear, kindly re-write it. Line 13-16 - Re-write the sentences as: "The time frame of the data used in this study is 2007-2013. In this work, we applied, K-means clustering and correspondence analysis methods and the rainfall pattern districts are grouped year-wise. The cluster groups are compared with agricultural product import during the 2007 – 2013. We have"</p> <p>Review of Literature *Line 54 - What is MPR *Line 68 -Adjust the following texts ... all the seasons of rainfall data in Tamil Nadu and we will also identify the *Line 70 - Objectives *Line 79 - The table suppose to have numbers and title. I believe that the texts explaining the contents of the table should come before the table itself and with reference to the table in the text - kindly do this for all the tables. *Line 79 - Also, do u mean 0.80 in March under cluster 1, because the number is too small compared with others. The author should put zeros in front of the significant (sig) numbers, that is 0.764, 0.936, etc. *Line 81 - Adjust these texts here and in every where they appeared in the manuscript:three clusters that are meaningfully formed..... *Line 82 - Change "rain fall" to "rainfall" and always write is throughout the manuscript as "rainfall" *Line 84 - I don't understand the ranges the authors used for the identifying the low, high and moderate. Similarly, the list should be uniform in all cases, e. g. "low, moderate, high". *Line 86-88: Adjust sentence as: we identified the Grouping Clusters which shows that majority of the States have Low Level rainfall in Tamil Nadu during the year 2007.</p> <p>88 were *Line 87 - Re-write for all cases if possible:reasons include new ecological system changes and new environmental conditions *Line 94-95 is a repetition of Line 81-82; check. *Several repetitions; I think it be more appropriate to put two tables together and tables of "numbers of cases in each cluster" so as to reduce the numbers of tables and avoid too much repetition. *Line 173 - Change "Rain fall Level" to "rainfall level"</p>	<p>We have made enough changes.</p>



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	<p>*Line 174 - No reference to the table in the text - hence the table should be numbered. Are the numbers referring to rainfall (in mm) or what?</p> <p>*Line 177 - The sentences are full of repetition and not even clear. In all cases, change "having" to "have" e. g.....majority of the States have Low Level rainfall</p> <p>*Line 188 - I think the use of "Dimension 1" and "Dimension 2" should be checked by the authors because I believed that both are the same, and it could be simply called "Dimension".</p> <p>*Line 192 - Re-write: Moderate Level of rainfall was measured.</p> <p>*Line 197-198 - I don't understand the type of correlation that the authors calculated. If it is correlation coefficient, the values cannot exceed one (1) and I believed that this statement will then be wrong. I will expect it to be the pictorial diagram to represent the correlation coefficient of the rainfall levels. Please, make this clear.</p> <p>*Line 201-207 - The statements were not correctly writing, kindly adjust them.</p> <p>*Line 208 - On the table, it should be "Year-wise Fluctuations". Also, what does "F" represent and the star on 0.006*?</p> <p>*Line 218 - Space is necessary between the references and the texts above it.</p> <p>*Line 221 - Remove the empty space.</p> <p>*Line 222 - Re-write: "NeerajBhargava, RituBhargava" as "Neeraj Bhargava, Ritu Bhargava".</p> <p>*The capital letters in Lines 230, 233, 241 and 242 should be adjusted.</p> <p>*I think the volume number is missing in line 242: Check "& software xxx".</p>	
Optional/General comments		

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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	Not Required