

Review of: "Spatio-Temporal Analysis of Precipitation Patterns in Xinjiang Using TRMM Data and Spatial Interpolation Methods: A Comparative Study"

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Potential competing interests: No potential competing interests to declare.

1. The objective of the study is not clear and is not supported by a relevant justification to the problems of the study area.
2. A temporal analysis of 21 years was carried out. For studies of climate variability and climate change, at least 30 years of historical records are recommended. Although this is not a significant problem in the analysis carried out.
3. A description of the processing carried out on the satellite images used to obtain precipitation values is not offered. Tables with historical records of precipitation measured in the field are also not presented.
4. In the study, much emphasis is placed on the issue of climate change, but the study carried out corresponds more to an analysis of climate variability.
5. It is unnecessary to include the descriptions of the interpolation methods and error measurement metrics, it is nothing new and I consider that it is sufficient to mention them with their corresponding references.
6. The maps are not clear regarding the results of the precipitation trends found and, in addition, there is no map where the areas with significant trends are identified.
7. The conclusions are very ambiguous and general and do not clearly indicate relevant closures with respect to the established objectives.
8.
Even with the obvious lack of precipitation records, I consider that the comparative analysis of interpolation methods is good, however, the trend analysis lacks clear evidence of the results found, coupled with the fact that they do not present adequate maps.