

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.

There are significant deficiencies and mistakes throughout the study. These can be listed as follows:

- Figure 1 is placed in the article without being mentioned in the text. The relevant correction should be made.
- Is the methodology expressed in the following sentence novelty to this study or originated by similar studies in the literature? ***"In addition, a combination of Theil-Sen Median slope estimation and Mann-Kendall trend analysis is carried out to analyze the spatial trend changes of annual precipitation in Xinjiang."***
- Some formulas in Tables 1 and 2 do not seem clear. The relevant correction must be made.
- It should be checked whether the variables in all formulas in this study, are explained in the text.
- The number of references considered in the study is quite little. Similar studies from the literature should definitely be added to this article.
- Chinese expressions appear in some figures (e.g. Figures 2 and 3). These mistakes must be corrected. Also R2 should be changed to R square.
- The term "characteristics" in the 3.3.1 heading should be changed to "Characteristics".
- Some figures are quite small and they should be enlarged and made more readable.
- "xinjiang" in Figure 3 should be corrected to "Xinjiang".

As a result, the article should be examined meticulously from beginning to end. The scientific contribution of the study should be evaluated in detail, and its innovations should be properly presented compared to similar studies in the literature. Discussion sentences should be included more in the article. This study should be reconsidered with major revision.

Kind regards,