

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.

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This study analyzes the spatial and temporal patterns of precipitation in Xinjiang, China, using satellite data and ground observations from 1998 to 2019. While the study's objectives are clear and the results valuable, several aspects require revision prior to publication.

Strengths:

- Clear research objective: understanding spatio-temporal precipitation patterns in Xinjiang.
- Valuable results obtained through analysis of comprehensive data.

Areas for Improvement:

- Limited novelty and justification: The paper lacks a clear discussion on the study's novelty and necessity. It would benefit from a stronger justification for undertaking this research compared to existing literature.
- Software omission: The names of the software used for data analysis should be explicitly mentioned for transparency and reproducibility.
- Lack of comparative analysis: The results should be compared to those of previous studies conducted in the same region to provide context and enhance the significance of the findings.