

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) Please change the Chinese in the Figures to English.
- (2) In Table 2, "the calculated value relative to the measured value, either positively or negatively". RMSE can only be positive.
- (3) In section 3.2, comparing the RMSE and MBE values at the annual and monthly scales is meaningless.
- (4) It is necessary to explain whether the conclusion in section 3.3 is based on the original TRMM or the interpolated data.
- (5) Section 3.3.2 states that "The year-over-year trends, particularly evident in 2015 and 2016, are beneficial for local water resource development", this conclusion is not reflected in the Figure.
- (6) In section 4, "The study's results lay the groundwork for more in-depth climate change impact analyses. Future research could leverage higher resolution satellite data to refine understanding of precipitation patterns and climate change in Xinjiang." does not belong to the conclusion.
- (7) There have been many studies on precipitation in Xinjiang, what are the differences in your research?