

Earth Syst. Sci. Data Discuss., referee comment RC1
<https://doi.org/10.5194/essd-2020-370-RC1>, 2021
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Comment on **essd-2020-370**

Anonymous Referee #1

Referee comment on "Rainfall erosivity mapping over mainland China based on highdensity hourly rainfall records" by Tianyu Yue et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-370-RC1>, 2021

Dear Editor
The editorial support team
Copernicus Publications
Hello

I am thankful to you for allowing me to review ESSD manuscript. The present MS targeted the calculation of R factor for China using high resolution data. The work was a good and tedious one and I liked it. However, I am against its acceptance for publication thanks to many deficits and ambiguities found in the context and made it unclear in many aspects. The big issue refers to the rationale of the work.

The formulation of the research setup needs more strong rationale particularly in the viewpoint of agreement with real conditions.

No proper reviewing of literatures with further focuses on the main goals of the study and recent none-Chinese ones has been made.

It has no detailed and documented information on methodology.

It has no comprehensive and integrated discussion.

According to the comments mentioned above and some comments, revisions or suggestions appended in the context, I therefore suggest resubmitting a new and substantially improved MS. My all comments and suggestions have been annotated in the reviewed file as an attachment.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2020-370/essd-2020-370-RC1-supplement.pdf>