

Review of: "Analysis of climatic parameters in the upper Awash River basin of Ethiopia"

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Potential competing interests: No potential competing interests to declare.

Thank you very much for the opportunity given me to review this paper

My comments are given below

1. I found this article well written and recommend for publication.
2. However, I found that in many places of the manuscript the author has used the term Upper Awash sub-basin. If you could rename this with another name such as one associated with the sub basin. (May be considering geography, for instance the sub basin could be renamed along with the major city in that particular sub basin)
3. The conclusions section still consists of some results and discussion. Could you only present solely the conclusions based on your work? As an example see the below text.

The study result for pooled seasonal rainfall showed a positive and significant (at 10% level) increasing trend in meher season rainfall in the Upper Awash River Sub-basin, with magnitudes of 2.753mm. The result implies that a 1% change in time period would be responsible for an increase in meher season rainfall by 2.75%. Furthermore, the trend of seasonal rainfall in Ejere station portrayed a positive and significant increasing trend during both belg and meher seasons in which a unit change in time variable will lead to an increase of belg and main season rainfall by 3.49% and 15.9% respectively.

Subsequently, pooled mean maximum and minimum temperatures were analyzed for the sub-basin. The results portrayed a positive and increasing trend of crop growing season mean maximum temperature for the Upper Awash sub-basin, with a magnitude of 0.052mm per year. The rate of increase in CGS mean maximum temperature was highly significant at 1% level of significance. Conversely, the trend of pooled CGS mean minimum temperature for the sub-station revealed decreasing trend in minimum temperature with a magnitude of 0.001⁰C/year, though insignificant. However, the trend analysis of individual stations of Abomsa and Tulubolo exhibited a positive and significant increasing trend for CGS mean minimum temperature with a magnitude of 0.031⁰C/year and 0.05⁰C/year respectively.

- 4.) In the results section I found the below phrase. This is something which should be in the conclusions section. Having concluding remarks in the results section is not acceptable.

In conclusion, the seasonal rainfall in the Upper Awash River Sub-basin showed an increasing trend since the upper part

of the basin is surrounded by hills, high mountains, and escarpments that are constantly covered with clouds giving the orographic type of rainfall to the area located downward.

5. Could you spell out SGS?

6. Explain what is pooled data. The reader needs a more explanation about this method.

7. The equations should be cited in the text.