

Review of: "Groundwater Potential Zone Assessment Using Remote Sensing, Geographical Information System (GIS), and Analytical Hierarchy Process (AHP) Techniques in Fogera Woreda, South Gondar Zone, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

Comments and suggestions

Title

- The title of the research is an important and current topic in Ethiopia in general and the region in particular.
- Abstract

The abstract is well-written, but does not state the study's objective. As a result, the specific objective of the study should include an abstract part.

Introduction

- Some of the references are old. As a result, the researcher might include the most recent references.
- The research gap is not indicated, which could be methodological or knowledge gap.

Methodology

- There is no need to describe the study's objectives in the study area description section.
- Change the text "The availability of the data used in this is listed below in Table 1" to "The availability of the data used in this study is listed below in Table 1."
- Table 1's caption "Data types and sources" is sufficient.
- Rename GSE to The Geological Survey of Ethiopia (GSE) and MWME to Ethiopian Ministry of Water and Energy.
- The study's flow chart (Fig. 2) connects weight normalization from the AHP model, as it is processed using AHP outputs.
- The methods are often shallow and might benefit from inclusion.

Results and Discussion

- All methods used to compute lineament density, distance from the river, topographic wetness index (TWI), elevation classification, weight assignment and normalization, and overlay analysis are incorrectly positioned. Consequently, all methods and formulas should be presented in the methodology section of the paper.
- The findings should be supported by discussion.

