Review of: "Spatial Analysis of Soil Fertility Using Geostatistical Techniques And Artificial Neural Networks"

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Potential competing interests: I am a PhD holder in renewable energy and energetic efficiency from University of Zaragoza, Spain and Post doctoral fellow at Universidad Da Beira interior, Portugal. Currently on Private consultancy in Ethiopia. potential competing interests to declare.

I have reviewed the article, and the content is rich and very creative which can contribute to the automation any kind of agricultural assessment. But, it needs some scrutiny concerning the references, validation and Geo-spatial analysis. Please take my comments as follows:

1-What is the final objective and the outcome of your research?
2-I recommend you clearly put a statement of your achievements Vs a benchmark with the existing approaches.
3-Cross validation looks extremely nice, please put your reference.
4-Justify the why you use of FKCN algorithm.

5-Please find methods or models for the analysis of integrated multilayer thematic maps analysis, instead of individual maps like a multiagent Any-logic software algorithms.

6-I recommend you, using a digital elevation model (DEM) instead of Google map, since the topography details like slope, elevation and aspect are critical parameters to represent any geo-location.

7-I recommend using a standard sampling norms to make a credible and representative of the soil sampling procedure. How do you reach to the conclusion that, 70 samples of 6.15 hectare is representative?

8-The validation process should be exhaustive to build the credibility of your assessment and here also you need to add a benchmark publication if at all exists, otherwise strong justification of this model validity should be given, in order to avoid a risk of being rejected.