

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

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Potential competing interests: No potential competing interests to declare.

General Comment

The paper tried presenting a method

of spatial analysis of soil fertility employing geostatistical techniques and artificial neural networks. The approach is substantial in soil fertility assessment for effective precision agriculture and soil management decision making. There are few comments to be considered:

1. Some unnecessary redundancy. Ex. In the abstract, line 10: "Soil property maps were produced "by" geostatistical analysis and interpolation by...." By....by...
2. There are some long sentences that needs optimization. Ex. In the abstract line 10-13. In the introductory part, paragraph 4,...
3. Reasonable selection of interpolation methods. Why Ordinary Kriging was preferred for the interpolation?
4. There are some abbreviations not clear. Under Interpolation of soil properties, check the indices of "MS" & "SSE"
5. Under Digital soil fertility class model consider inserting "the input layer, the distance layer and the membership layer" right at the end of the 3rd line, the distance layer is not clear. What is it really? What the preset number of soil classes in the same paragraph?
6. In table 1, medium was used. Does it Median?
7. Does the description under table 1, line 5-6 of Paragraph 2 really describes the statistical values of table 1?