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.

Geois

The authors used geostatistical techniques and artificial neural network to carry out a spatial analysis of soil fertility. This article uses ten soil variables to establish the different thematic layers for soil fertility assessment. The thematic layers were produced by geostatistical analysis (ordinary kriging) and artificial intelligence techniques were applied to generate soil fertility classes.

The abstract and introduction are well written and very concise. The authors have focused on the literature review and the antecedent that led to the main objective of the study. The method section is very concise and coherent. The results presented are in harmony with the main objective of the study. The results are well illustrated and commented.

Overall, in my opinion, all sections of the article have been well written, both in form and substance. The thematic layers or soil variables mentioned in the manuscript have been fully taken into account in the evaluation, the resulting soil fertility class model is predictive. I suggest that this paper on this form be considered and accepted for publication.