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.

This study focuses on assessing soil fertility for precision agriculture and decision-making in soil management. Surface sampling in a Venezuelan field revealed a set of reliable soil variables, analyzed through geostatistical methods and machine learning methods. The result is a digital map defining five soil fertility categories with a reliable accuracy of 86%, providing a basis for tailored fertilization and amendment plans.

The paper is overall sound and applies in a proper way the ML methods used. Sometimes, it lacks some details their application. I suggest to be more specific when describing the mehtodological part of the paper. I attached a supplementary file with my comments and minor issues on the paper.