The main results shown in the document can be obtained by running the code without modification. The results of secondary variables or fine tuning can be obtained by unlocking the comments in the indicated code boxes. To do this, the code can be searched for comments between the lines to follow the instructions.

The code has been written in the Jupyter-Anaconda environment. The libraries and tools are loaded in the first box and can be downloaded from the terminal or from Anaconda.

The code 'ML-spatial-regression-testing.html' is the original code developed and implemented in the paper:

'Three-dimensional modelling using spatial regression machine learning and hydrogeological basement VES'

Authors: Gastón M. Mendoza Veirana, Santiago Perdomo, Jerónimo Ainchil

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IMPORTANT: the original code implemented and reviewed in the peer review process is:

‘ML-spatial-regression-testing.html’

The newest version (no peer-reviewed) of the code is:

‘Newest\_Code\_version\_ML-spatial-regression-testing.html’

Dataset: https://data.mendeley.com/datasets/vjhy9gkzg3/1