CLASSIFYING FOREST SUPRA-TYPE FROM AUGMENTED SATELLITE DATA: COMPARING NEURAL NETWORK AND CASPER TECHNIQUE

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# Abstract

Geographical data, especially information with detailed terrain type has become intensely important for various applications and research work. With structured and known satellite data, more detailed information can be generated.

The task is to classify the forest supra-type among five options based on geographical features mainly collected by satellite.

We apply two kinds of neural networks, a two-layer neural network and another with the Casper technique, to give a classification of Forest supra-type based on GIS dataset. We describe the performance of both methods and analyze the benefits or lack of benefits. Some comparison with other results performed on the same dataset are also made.

# Data