Abstract :

In this paper, a combination between the supervised and unsupervised leanings is used for lithofacies classification from well-logs data. The main idea consists of enhancing the Multilayer Perceptron (MLP) learning by the output of the self-organizing map (SOM) neural network. Application to real data of two wells located the Algerian Sahara clearly shows that the lithofacies model built by the neural combination is able to give better results than Self Organizing Map