

Machine learning for Facies Prediction

Face to Face course

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Breakaway

Program

- 09:00-09:15 Program, Biography, ML Introduction
09:15-09:30 Moodle, ML Open Source Software, Weka
09:30-10:00 Exercises: Classification, Clustering
- 10:00-11:15 Refreshments*
- 10:15-11:00 Supervised, Unsupervised, Semi-supervised, ANN
11:00-12:00 Exercises: Regression, Ensemble
12:00-13:00 DNN, Activation Functions, Forward and Backward Propagation
- 13:00-14:00 Lunch*
- 14:00-14:30 Videos: Geophysical Inversion versus ML,
14:30-15:00 Exercises: Comparing Algorithms, Hyper parameters
- 15:00-15:15 Refreshments*
- 15:15-15:45 Over & underfitting, SVM, Assist Acq & Processing, SOM
15:45-16:45 Exercises ML Models, VSM, OneWell
16:45-17:00 Future of ML in Geosciences