GeoNeurale

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-Postdoctoral and doctorand training for Geoscientists and Engineers
-Industry postdoctoral and cross-disciplinary training

Module 8.
Artificial Intelligence Methods for Geoscientists and Engineers

Linear and Non-Linear Models
Binary classifiction
Supervised learning methods in Petrophysical Analysis
Unsupervised learning methods in Petrophysical Analysis
Supervised learning Methods in Seismic Analysis
Unsupervised learning Methods in Seismic Analysis
Logistic Regression
Cost Function
Gradient Descent
Forward Propagation
Backwards Propagation
Derivation of Cost Function
Interlayers Derivatives
Vectorization
Shallow Neural Networks
Deep Neural Networks
Broadcasting
Activation Functions
Iterative optimization processes