

Machine Learning for Facies Prediction along a Well bore.

Day 1

09:00-09:30	Program, Biography, ML Intro, Moodle, Weka
09:30-09:45	ANN, DNN
09:45-10:00	Classification
10:00-10:15	<i>Refreshments</i>
10:15-10:45	Ex Classification
10:45-11:00	Supervised
11:00-11:30	Ex Attribute Filters,
11:30-11:45	Unsupervised
11:45-12:15	Attribute Selection
12:15-13:00	Semi-supervised, Clustering
13:00-14:00	<i>Lunch</i>
14:00-14:30	Ex Clustering
14:30-15:00	Regression
15:00-15:30	<i>Refreshments</i>
15:30-16:00	Ex Regression
16:00-16:30	Ensemble
16:30-17:00	Ex Ensemble
17:00-17:30	Quiz 1

Day 2

09:00-09:30	Over & Underfitting, Activation Functions
09:30-10:00	Ex Comparing Algorithms
10:00-10:15	<i>Refreshments</i>
10:15-10:30	Activation Functions
10:30-11:00	Ex Hyperparameters
11:00-11:15	Support Vector Machine
11:30-12:00	Ex Support Vector Machine
12:00-13:00	Demo Google Colab
13:00-14:00	<i>Lunch</i>
14:00-14:15	Forward & Backward Propagation
14:15-14:45	Ex ML Models
14:45-15:00	Boolean Logics
15:00-15:15	<i>Refreshments</i>
15:15-15:45	Ex KnowledgeFlow
16:00-16:15	Assist Acquisition & Processing
16:15-16:45	Ex OneWell
16:45-17:00	Inversion versus Machine learning
17:00-17:30	Quiz 2

Self-Paced: Project: Clustering, Classification