

Machine learning for Facies Prediction

Blended Learning

Interactive

min

Part	20	20	10	20		70
1	Skype Introduction 1. Biography	Lecture 2. ML Intro 3. Moodle 4. Weka	Video 5. Classification	Exercise 6. Ex_Classification		
1	30 Study 7. Supervised 8. Unsupervised	10 Video 9. Clustering	15 Exercise 10. Ex_Clustering	20 Study 11. Semi-supervised	10 Video 12. Regression	85
1	15 Exercise 13. Ex_Regression	20 Study 14. Artificial NN	10 Video 15. Ensemble	15 Exercise 16. Ex_Ensemble	25 Study 17. Deep NN	85

Q&A

2	10 Video 1. Over & underfitting	15 Exercise 2. Ex_Comparing Algorithms	20 Study 3. Activation Functions	10 Video 4. SVM	15 Exercise 5. Ex_Hyper parameters	70
2	30 Study 6. Forward, Backward	10 Video 7. ML & Serendipity	15 Exercise 8. ML Models	20 Study 9. Assist Acq & Proc	10 Video 10. Inv vs ML	85
2	10 Study 11. Future ML in Geophysics	10 Video 12. Boolean Logics	15 Exercise 13. Ex_SVM	15 Exercise 14. Ex_OneWell	35 Quiz Quiz	85

Q&A

Total (hrs) 8,0