

Introduction into Machine Learning with Python

Day	Topics
DAY1	<ol style="list-style-type: none"> 1. Basic ideas of Machine Learning and difference between Artificial Intelligence and Machine Learning. 2. Introduction into the module sklearn 3. Analysing data sets 4. Artificial dataset generation 5. Exercises with Iris and wine data sets and self generated data sets 6. k-nearest Neighbor Classifier from scratch in Python 7. Introduction into Naive Bayes Classifier 8. Exercises with Naive Bayes 9. Naive Bayes Classifier with sklearn
DAY2	<ol style="list-style-type: none"> 10. Introduction into Text Classification using Naive Bayes 11. kNN with natural language problems 12. kNN with sklearn 13. Exercises with kNN classifiers 14. Neural Networks from scratch in Python 15. Backpropagation in NN 16. Exercises 17. Neural Networks with sklearn 18. Exercises 19. Regression