

Machine Learning - MBA 2024 - Winter Term

| <i>Session</i> | <i>Topic</i> | <i>Documents</i> |
|-------------------|-------------------------------------|--|
| 22 jan | <i>What is machine learning?</i> | [ML-01] What is machine learning? |
| 23 jan | <i>scikit-learn</i> | [ML-02] scikit-learn [MLE-01] Example - Modeling the strength of concrete |
| 29 jan | <i>Linear regression</i> | [ML-03] Linear regression [MLE-02] Example - House sales in King County |
| 30 jan | <i>Logistic regression</i> | [ML-04] Logistic regression [MLE-03] Example - The churn model |
| <i>Assignment</i> | | |
| 5 feb | <i>Discussion of the assignment</i> | |
| 12 feb | <i>Imbalanced learning</i> | [ML-05] Imbalanced learning [MLE-04] Example - Term deposits |
| 13 feb | <i>Decision trees</i> | [ML-06] Decision trees [MLE-05] Example - The spam filter |
| <i>Assignment</i> | | |
| 19 feb | <i>Discussion of the assignment</i> | |
| 20 feb | <i>Model validation</i> | [ML-07] Model validation [MLE-06] Validation examples |
| <i>Assignment</i> | | |
| 26 feb | <i>Discussion of the assignment</i> | |
| 27 feb | <i>Ensemble methods (1)</i> | [ML-08] Ensemble methods [MLE-08] Ensemble model examples |
| 1 mar | <i>Ensemble methods (2)</i> | [MLE-09] Example - Handwritten digit recognition |
| 4 mar | <i>Clustering</i> | [ML-09] Clustering [MLE-10] Clustering examples |
| 5 mar | <i>Neural networks</i> | [ML-10] Neural networks [MLE-11] Airline passenger satisfaction |
| <i>Assignment</i> | | |
| 11 mar | <i>Discussion of the assignment</i> | |
| 12 mar | <i>Deep learning</i> | [MLE-12] Deep learning examples |
| <i>Assignment</i> | | |
| 18 mar | <i>Discussion of the assignment</i> | |
| 19 mar | <i>Conclusion</i> | |