

Text Mining Course for KNIME Analytics Platform

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| Getting started with KNIME | 9:30 – 10:15 | Introduction The KNIME Workbench Overview of target workflow The KNIME Textprocessing Extension |
| Importing text | 10:15 – 11:15 | Data Source nodes Reading files Creating documents |
| Enrichment | 11:15 – 12:00 | POS tagging Names entity recognition Semantic enrichment |
| | 12:00 – 1:00 | Lunch |
| Preprocessing and transformation | 1:00 – 2:00 | Preprocessing and filtering Transformation into Bag of Words and vector representations Frequency computation |
| Classification | 2:00 – 3:00 | Predictive modeling overview Learner/predictor motif Creating test and training Sets An example: decision trees Sentiment analysis |
| | 3:00 – 3:30 | Coffee Break |
| Visualization | 3:30 – 4:00 | Tag clouds Document viewer |
| Clustering | 4:00 – 5:00 | Hierarchical clustering K-Medoids clustering |
| Supplementary workflows | 5:00 – 5:30 | Overview of additional workflows Q&A to explore previous topics in more detail |
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