

## Text Mining Course for KNIME Analytics Platform November 22, 2018 – Design Offices, Berlin (Germany)

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|----------------------------------|----------------------|--|
| <b>Breakfast / Introductions</b> | <b>9:00 – 9:30</b>   |  |
| Getting Started with KNIME       | 9:30 – 10:00         | Introduction<br>The KNIME Workbench<br>Overview of Target Workflow<br>The KNIME Textprocessing Extension                                       |
| Importing Text                   | 10:00 – 11:00        | Data Source Nodes<br>Reading Files<br>Creating Documents   |
| Enrichment                       | 11:00 – 12:00        | POS Tagging<br>Names Entity Recognition<br>Semantic Enrichment   |
| <b>Lunch</b>                     | <b>12:00 – 13:00</b> |  |
| Preprocessing and Transformation | 13:00 – 14:00        | Preprocessing and Filtering<br>Transformation into Bag of Words and Vector Representations<br>Frequency Computation                            |
| Classification                   | 14:00 – 15:00        | Predictive Modeling Overview<br>Learner/Predictor Motif<br>Creating Test and Training Sets<br>An Example: Decision Trees<br>Sentiment Analysis |
| Visualization                    | 15:00 – 15:30        | Tag Clouds<br>Document Viewer  |
| <b>Break</b>                     | <b>15:30 – 16:00</b> |  |
| Clustering                       | 16:00 – 17:00        | Hierarchical Clustering<br>K-Medoids Clustering  |
| Supplementary Workflows          | 17:00 – 17:30        | Overview of Additional Workflows<br>Q&A to Explore Previous Topics in More Detail  |