

## Big Data Course - KNIME Spark Executor Training June 15, 2018 – Stuttgart

<b>Breakfast and Introductions</b>	<b>09:00 – 09:30</b>	<b>Coffee, cakes, and a chance to chat</b>
Introduction	09:30 – 09:45	Goal of this Course
How to handle Big Data?	09:45 – 11:00	Hadoop Ecosystem Apache Spark Apache Cassandra
Getting Started with KNIME Spark Executor Nodes	11:00 – 11:30	Installation Requirements Importing data to Spark
Data Preprocessing	11:30 – 12:00	Data Preprocessing & Feature Engineering for Advanced Analytics Processes in Spark
	<b>12:00 – 13:00</b>	<b>Lunch</b>
Data Exploration	13:00 – 14:00	Data Exploration with the Spark Executor Nodes
Unsupervised Learning	14:00 – 14:30	Cluster Analysis with Spark ML
	<b>14:30 – 15:00</b>	<b>Break</b>
Supervised Learning	15:00 – 16:30	Decision Trees, Random Forests and Regression Methods with Spark ML
Model Comparison & Model Deployment	16:30 – 17:15	Comparison of trained models and model deployment
Conclusions	17:15 – 17:30	Summary Q&A to explore previous topics in more detail