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AGENDA

Big Data Course - KNIME Spark Executor Training
December 14, 2018 – Stuttgart

Breakfast and Introductions	**09:00 – 09:30**	**Coffee, cakes, and a chance to chat**
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
	12:00 – 13:00	**Lunch**
Data Exploration	13:00 – 14:00	Data Exploration with the Spark Executor Nodes
Unsupervised Learning	14:00 – 14:30	Cluster Analysis with Spark ML
	14:30 – 15:00	**Break**
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

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