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KNIME

Course for
KNIME Analytics Platform

Agenda · November 1, 2017. Austin, TX.



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Breakfast and Introductions	09:00 – 10:00	Coffee, cakes, and a chance to chat
Introduction to KNIME	10:00 – 10:15	Introduction Installing KNIME The KNIME Workbench Preview of the “Next Best Offer” workflow
Importing Data	10:15 – 11:00	Data Source nodes Reading files Connecting to a database
Data Manipulation & Data Aggregation	11:00 – 12:00	Data manipulation nodes Aggregation (GroupBy) Data integration, Join
Data Visualization & Highlighting	12:00 – 12:30	Interactivity, Highlighting Interactive view nodes JavaScript visualization nodes Graphics from R
Data Mining	12:30 – 13:00	Process overview Learner/Predictor motif
	13:00 – 14:00	Lunch
Data Mining (contd)	14:00 – 14:45	Creating test and training sets An example: Decision trees Model evaluation: Scoring and RoC
Integrating External Tools	14:45 – 15:30	Scripting (Java, Python, R) Web services External tool node
	15:30 – 16:00	Break
Integrating External Tools (contd)	16:00 – 16:30	JSONPath/XPath Big Data (Hive, HDFS, Spark)
Data Export & Reporting	16:30 – 17:30	File writer nodes Database write/update Reporting
Summary & Catch-up	17:30 – 18:00	Summary of materials covered Q&A Session
	19:00	Welcome Reception (AT&T Center)