

## [L1-DS] KNIME Analytics Platform for Data Scientists: Basics

Introduction to KNIME	9:30 – 10:15	Introduction & Installing KNIME Analytics Platform 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
	<b>12:00 – 1:00</b>	<b>Lunch</b>
Data Visualization	1:00 – 2:00	Visualization Nodes Interactivity Interactive View Nodes Graphics from R
Data Mining I	2:00 – 3:00	Process Overview Learner/Predictor Motif Creating Test and Training Sets Classification Problem & Decision Tree Regression Problem & Linear Regression
	<b>3:00 – 3:30</b>	<b>Coffee Break</b>
Data Mining II	3:30 – 4:00	Clustering & K-means Python and R Integration
Data Export & Reporting	4:00 – 5:00	File Writer Nodes Database Write/Update Reporting
Summary & Catch-up	5:00 – 5:30	Summary of Materials Covered Q&A Session