

**KNIME Spring Summit 2023**  
**[L1-DW] KNIME Analytics Platform for Data Wranglers: Basics**

Introduction to KNIME	10:00 – 11:00	Introduction Build Your First Workflow
Importing Data	11:00 – 11:45	Reading Data from Files (Excel, CSV, txt, etc.) Connecting to a Database
Data Merging	11:45 – 12:30	Join and Concatenate Data In-Database Processing
	<b>12:30 – 1:30</b>	<b>Lunch</b>
Data Transformation & Cleaning	1:30 – 2:00	Numerical & Nominal Outlier Handling
	2:00 – 2:30	Duplicate and Missing Value Handling
	2:30 – 3:00	Standardization of Data Tables
	<b>3:00 – 3:30</b>	<b>Coffee Break</b>
Data Aggregation	3:30 – 4:00	GroupBy Pivoting
Data Visualization	4:00 – 5:00	Visualizing Data Defining Colors Creating Interactive & Composite Views
Summary	5:00 – 5:30	Summary Q&A
	<b>6:00 – 6:30</b>	<b>Partner of the Year Ceremony</b> 1 <sup>st</sup> Floor, Conference Room
	<b>6:30 – 11:00</b>	<b>Welcome Reception and Poster Exhibition</b> 2 <sup>nd</sup> Floor, Foyer