

## [L2-DS] KNIME Analytics Platform for Data Scientists: Advanced

Session 1	
Flow Variables	<ul style="list-style-type: none"> <li>What is a flow variable?</li> <li>Creating and using flow variables</li> <li>Creating, configuring, and sharing components</li> </ul>
Session 2	
Workflow Control	<ul style="list-style-type: none"> <li>Repeating workflow parts – Loops</li> <li>Creating alternative operations - Switches</li> <li>Handling failures - Try-Catch</li> </ul>
Session 3	
Date&Time and Databases	<ul style="list-style-type: none"> <li>Manipulating Date&amp;Time values</li> <li>Preparing data for time series analysis</li> <li>Database Connectors</li> <li>Reading and writing to a database</li> <li>Visual query generation</li> </ul>
Session 4	
Advanced Machine Learning	<ul style="list-style-type: none"> <li>Ensemble tree algorithms</li> <li>Optimizing model parameters</li> <li>Checking for model stability with cross validation</li> <li>Integrated Deployment</li> <li>H2O &amp; Keras integration</li> </ul>
Session 5	
Wrap Up Session	<b>Discussion of last Exercise</b>