

## [L4-DV] Codeless Data Exploration and Visualization Online

Session 1	
Introduction, visualizing individual data points and their evolution	<ul style="list-style-type: none"> <li>Why is visualization so important?</li> <li>Visualization principles and what to avoid</li> <li>Techniques and case studies</li> <li>Visualizing individual data points</li> <li>Evolution over time: line plot, area chart</li> </ul>
Session 2	
Distributions, outliers, and finding relations in data	<ul style="list-style-type: none"> <li>Visualizing data distributions</li> <li>Statistics and outliers</li> <li>Normalizing data</li> <li>Finding relationships in data</li> </ul>
Session 3	
Dimensionality reduction, visualizing multiple dimensions, and a simple dashboard	<ul style="list-style-type: none"> <li>Dimensionality reduction techniques</li> <li>Multiple dimensions: parallel coordinates plot, sunburst chart</li> <li>Components and Metanodes</li> <li>Creating and layouting a simple dashboard</li> <li>Sharing on KNIME Hub</li> </ul>
Session 4	
Creating and deploying interactive dashboards	<ul style="list-style-type: none"> <li>Interactive Dashboards / Composite views</li> <li>Deployment to KNIME Server and WebPortal</li> <li>Use-case for Guided Analytics</li> <li>Full flexibility with Generic JavaScript view</li> </ul>
Session 5	
Wrap up session	<ul style="list-style-type: none"> <li>Discussion of last exercise</li> <li>Summary</li> <li>Q&amp;A</li> </ul>

