

Experiment - 5

Programme	:	B.Tech. CSE AI & ML	Semester	:	Winter 2023-24
Course Title		Internet of Things Lab	Code	:	BECE352E
			Slot	:	L23-24
Register Number	:	21BAI1106	Name	:	Ojas Patil
Faculty (s)	:	Dr. Manimaran P	Date	:	13 th April 2024

AIM

To perform Unsupervised and Supervised Machine Learning on the Knime Analytics Platform.

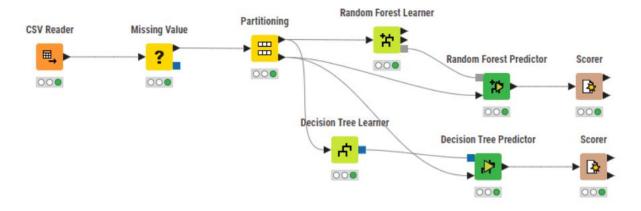
Steps to Follow

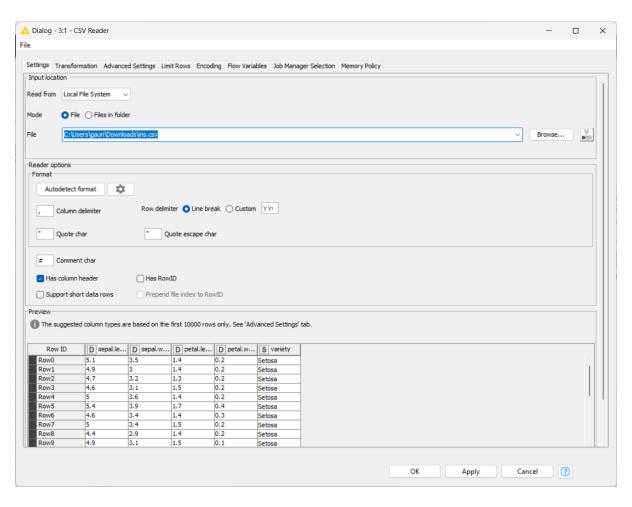
Import the Sales Dataset

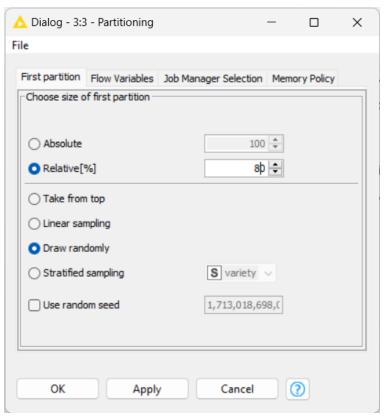
- 1. Download and Launch the Kmine Analytics Application.
- 2. Download data and create new workflow.
- 3. Drag and drop CSV file into the workbench editor.
- 4. Filter data with the Column Filter node.
- 5. Exclude "unknown" values with the Row Filter node.
- 6. Visualize your data with Stacked Area Chart & Pie Chart.
- 7. Execute and open output visualization.

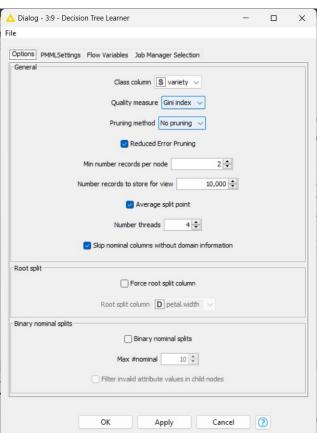
Now Import the Iris Dataset and perform the above operations.

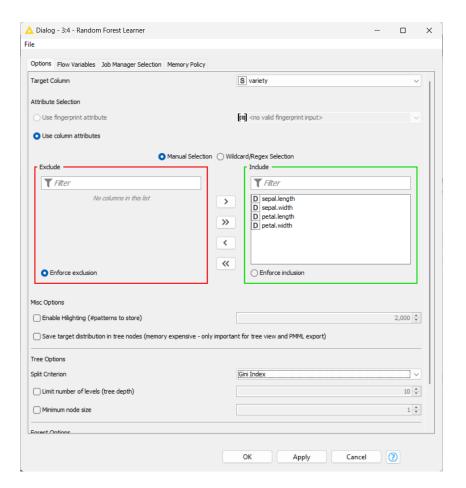
Workflow Screenshots for Supervised Learning



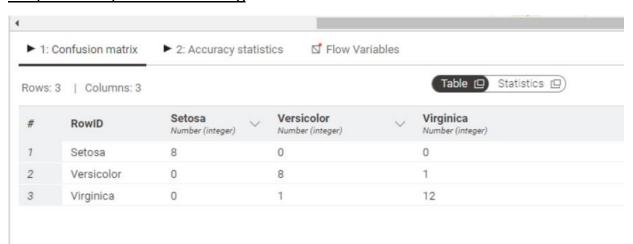




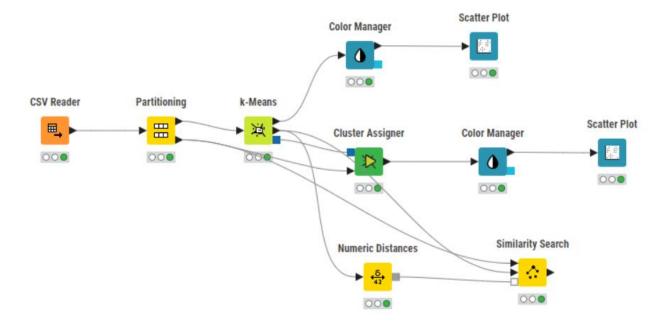


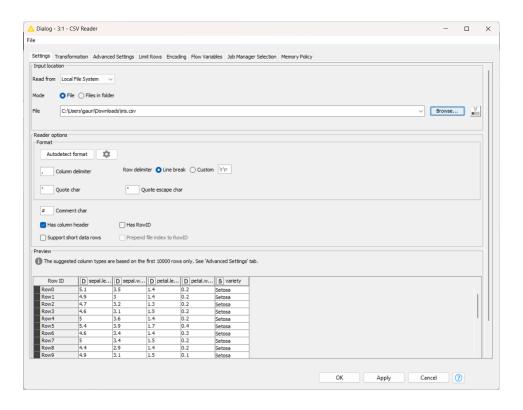


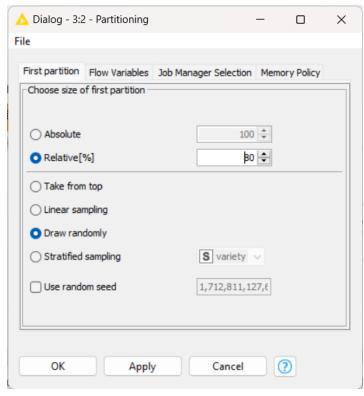
Output for Supervised Learning

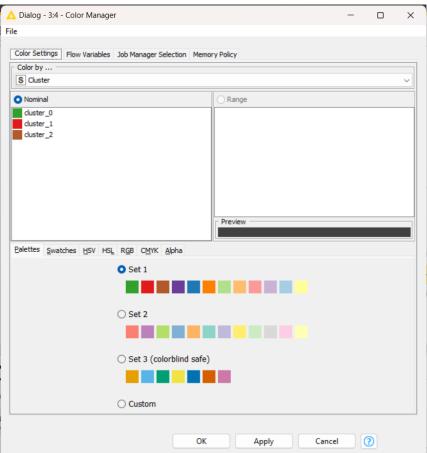


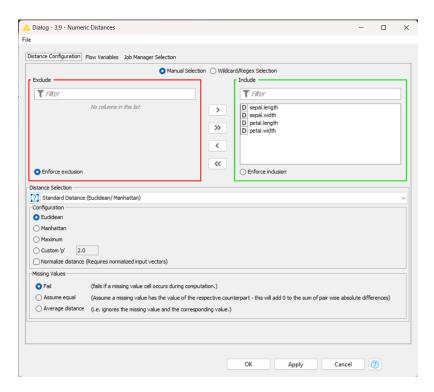
Workflow Screenshots for Unsupervised Learning



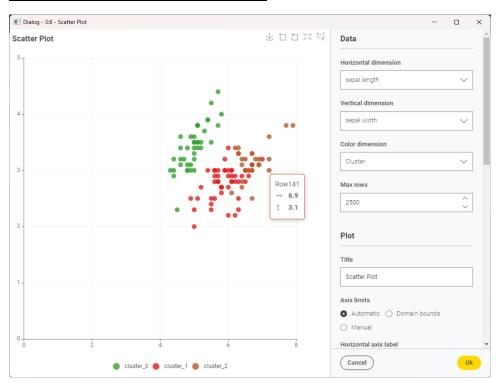








Output for Unsupervised Learning



Results

Thus, we have performed Supervised Machine Learning and Unsupervised Machine Learning with the help of the Knime Application.