CASE 2
Decision Trees

1. **Data Partition**
   Steps: Sample ➔ Data Partition ➔ Change values for Data Set Allocations in Property panel ➔ Run
   - 60% Training data
   - 40% Validation data

2. **Adding Decision Tree Node**
   Steps: Model ➔ Decision Tree

3. **Running Interactive Decision Tree**
   Steps: Decision Tree ➔ Click the ellipsis next to Interactive in Property panel

4. **Creating Split Rule**
   Steps: Select a node ➔ Right-Click ➔ Select Split Node
   - Select Variable with Highest Logworth
   - Select Edit Rule…
   - Check rule setting, e.g., number of branches, handling missing values, split point
   - Adding more splits: Click a partition. The Split Node dialog is updated

5. Creating Maximal Tree
Steps: Select the root note ➔ Right-Click ➔ Select Train Node
- Change View: Right-Click ➔ View ➔ Fit to Page
- Checking Performance: View ➔ Subtree Assessment Plot (Misclassification Rate)

6. Accessing Maximal Tree
Steps: Change No to Yes for Use Frozen Tree in Property panel ➔ Run the Decision Tree node ➔ See the Results
- Veiw ➔ Model ➔ Subtree Assessment Plot ➔ Select Misclassification Rate
- Renaming the node: Right-Click ➔ Select Rename ➔ Type "Maximal Tree"

7. Creating Optimal Decision Tree
- Add another Decision Tree node
- Select Assessment for Method in Subtree section in Property panel
- Select Misclassification for Assessment Measure
- Run the node and See the results
- View ➔ Model ➔ Subtree Assessment Plot ➔ Select Misclassification Rate
- Check the optimal tree
- Renaming the node: Right-Click ➔ Select Rename ➔ Type "Optimal Tree"