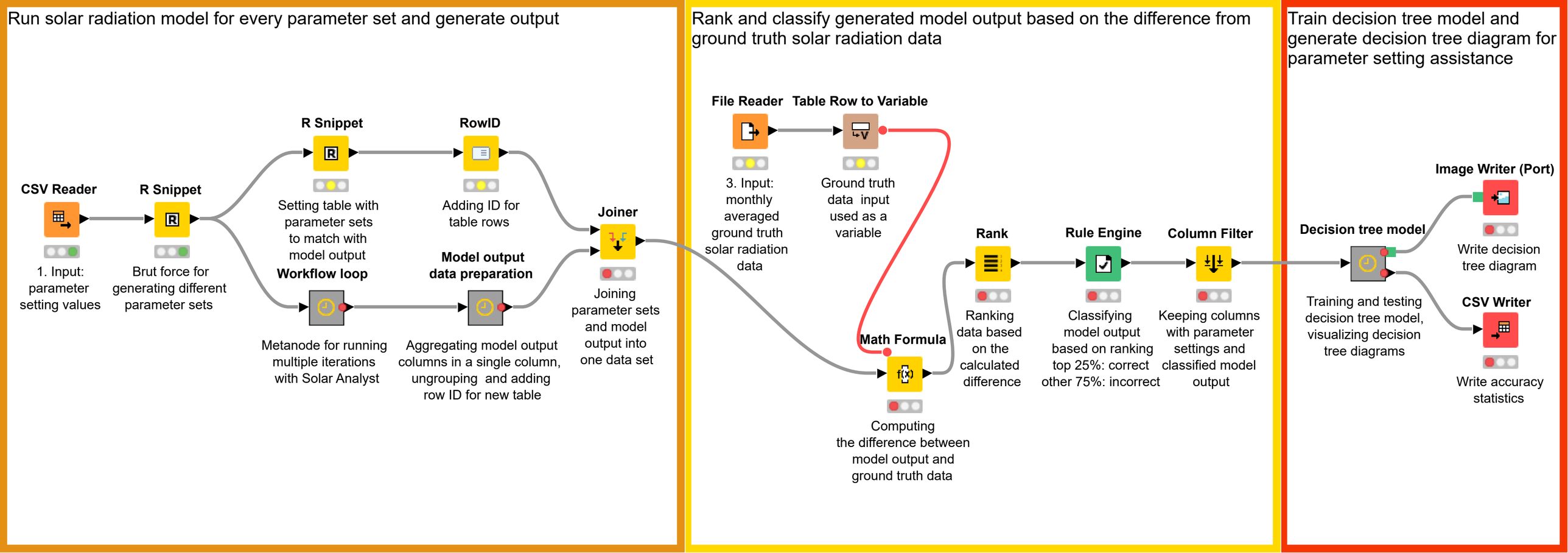
Run solar radiation model for every parameter set and generate output
CSV Reader
1. Input: parameter setting values
R Snippet
Brut force for generating different parameter sets
R Snippet
Setting table with parameter sets to match with model output
RowID
Adding ID for table rows
Workflow loop
Metanode for running multiple iterations with Solar Analyst
Model output data preparation
Aggregating model output columns in a single column, ungrouping and adding row ID for new table
Joiner
Joining parameter sets and model output into one data set
Rank and classify generated model output based on the difference from ground truth solar radiation data
File Reader
3. Input: monthly averaged ground truth solar radiation data
Table Row to Variable
Ground truth data input used as a variable
Math Formula
Computing the difference between model output and ground truth data
Rank
Ranking data based on the calculated difference
Rule Engine
Classifying model output based on ranking top 25%: correct other 75%: incorrect
Column Filter
Keeping columns with parameter settings and classified model output
Train decision tree model and generate decision tree diagram for parameter setting assistance
Decision tree model
Training and testing decision tree model, visualizing decision tree diagrams
Image Writer (Port)
Write decision tree diagram
CSV Writer
Write accuracy statistics