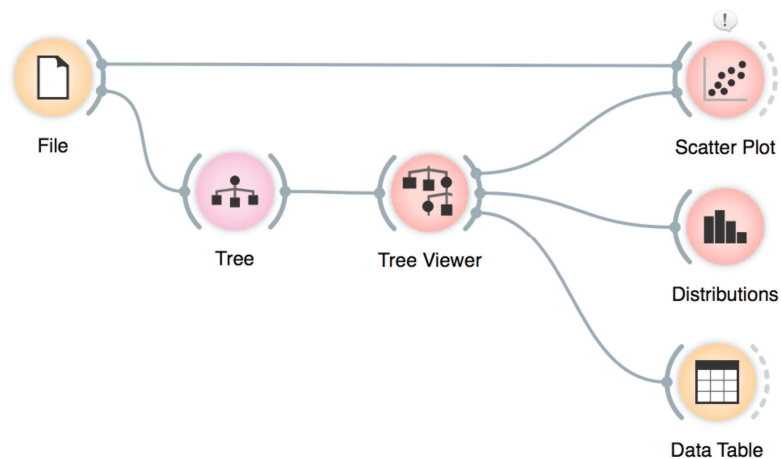


Lesson 7: Model Inspection

Here's another interesting combination of widgets: the classification tree viewer and the scatterplot. This time, consider the famous Iris data set (comes with Orange). In the Scatter Plot, find the best visualization of this data set, that is, the one that best separates the instances from different classes. Then connect the Tree Viewer to the Scatterplot. Selecting any node of the tree will output the corresponding data subset, which will be shown in the scatter plot.

Wherever possible, visualizations in Orange are designed to support selection and passing of the data that applies to it. Finding interesting data subsets and analyzing their commonalities is a central part of explorative data analysis, a data analysis approach favored by the data visualization guru Edward Tufte.



Just for fun, we have included a few other widgets in this workflow. In a way, the Tree Viewer widget behaves like the Select Rows widget, except that the rules used to filter the data are inferred from the data itself and optimized to obtain purer data subsets.