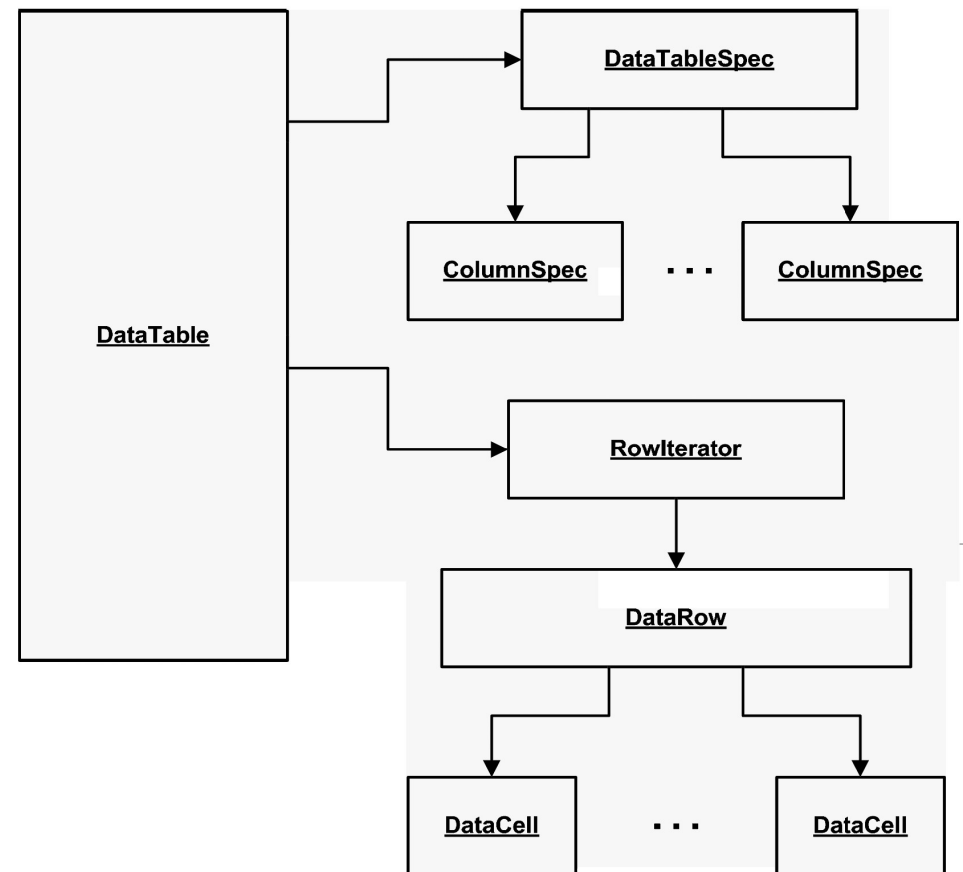


Knime Developer Version

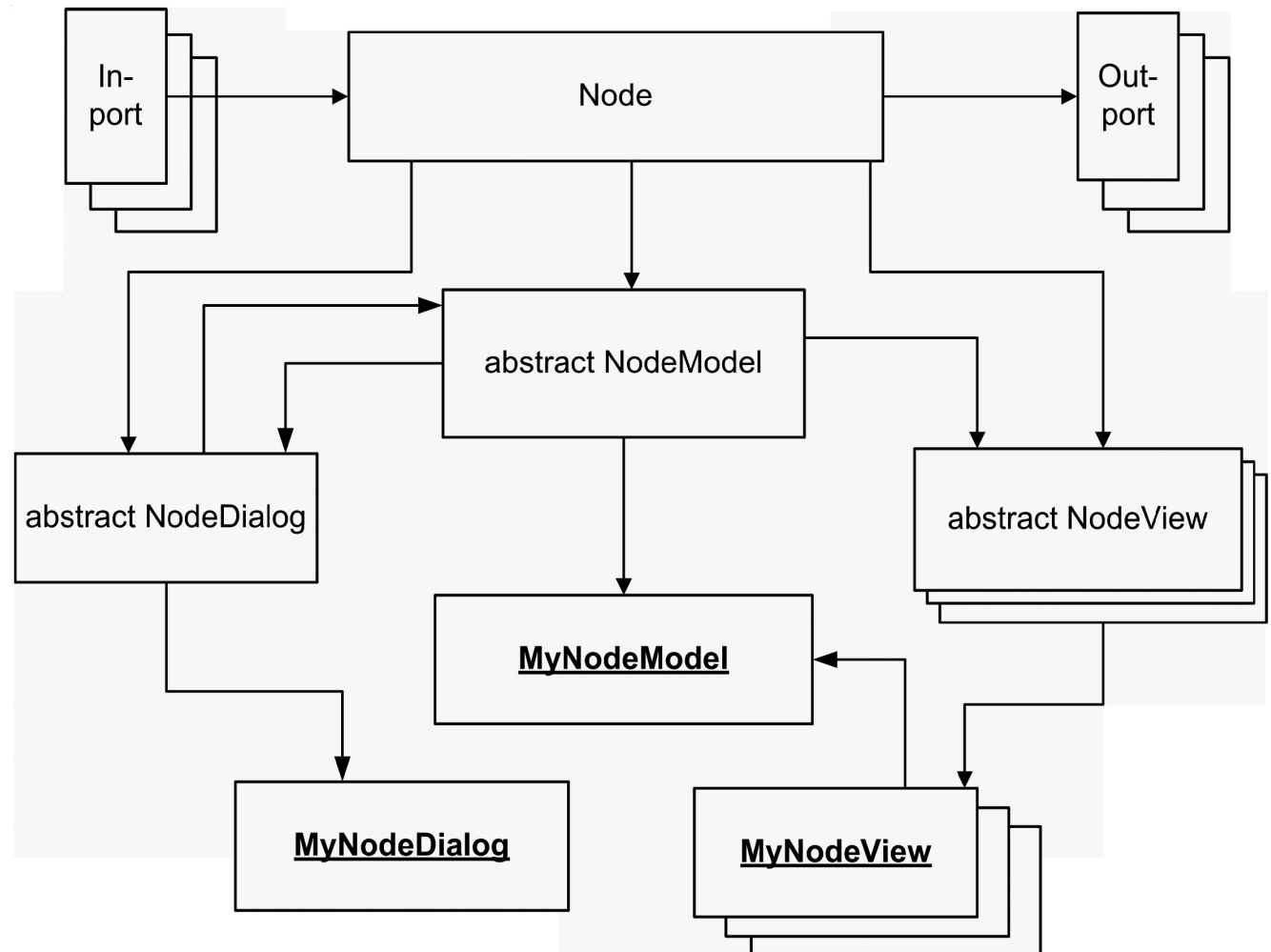
Knime from a Developer point of view 1/2

- The DataTable contains the data in input/output from each node.
- Each DataTable contains other structures:
 - DataTableSpec
 - DataRow



Knime from a Developer point of view 2/2

- To develop a *knime node* you have to extend three classes
 - NodeModel
 - NodeDialog
 - NodeView



What we want...

- You have to provide us the following things:
 - The obtained Knime workflow (by email)
 - An estimation of the Classification Cost (CC) on the test set (by email) $CC_{estimated}$
 - A description of choices and tests made during the tuning of the classifier (hardcopy)
- We'll evaluate your results by using the following formula:

$$CC_{test} + |CC_{test} - CC_{estimated}|$$

where CC_{test} is the actual Classification Cost of your classifier on the test set.

...something more.

- Defining a new Knime-component which receives the scorer output and the cost matrix as input and gives the Classification Cost as output (this could be also done with a Python script)
- Defining a new Knime-component that realizes a wrapper of Tooldiag.
- Defining a better version of the “AttributeSelectedClassifier” that gives us the model to extract/select the most discriminant

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