Instructions for j48treeparser

The zip file (**j48tree.zip**) should be unpacked.

The working directory for the Prolog code is the **j48parser** folder.

1. To run you will require the *j48.txt* file to contain the j48 tree to be parsed. An example is given. Note it contains just the tree in its entirety. While it is preferable to make all nominal valued attributes and values lower case alphabetical, it is not 100% necessary. The attribute names however **must** start with an alphabetical character and contain no spaces or other white characters.

2. If the computer you are using recognises the Prolog file *j48treeparser.pl* as a Prolog file, just double click on it to start Prolog. Then go to Instruction 4

3. If the computer you are using **DOES NOT** recognise the Prolog file *j48treeparser.pl* as a Prolog file, start Prolog. Then as the first line in Prolog change the working directory of Prolog to the one containing the file *j48treeparser.pl.* This is done using the following piece of Prolog

    1 ?- working_directory(P,'h:/08338-dmds/trees/j48parser').

    You will need to modify the string **'h:/08338-dmds/trees/j48parser'** to match the FULL directory path of your is **j48parser** folder. You will then to need to load the *j48treeparser.pl* file – use the Consult option in the File menu from within Prolog. Now go to Instruction 4.

4. In Prolog enter

    ?- run.

    The parser will run, and exit Prolog. If Prolog flags an error it will be because your j48.txt file is flawed!

5. Two csv files are generated. They are identical except for the Conclusion Order.
    In **j48-rules.csv** the rules are presented as per the full j48 tree.
    In **j48-dss-rules.csv**, the Risk Attribute is presented first.

Any further use of the j48 Decision Tree parser will overwrite the two csv files so rename them if required. You ought to check that the number of rules is correct and do not accept the output blindly!