WEKA Tutorial

Editor: Dongqing Xiao

Input File Format: .csv

```
Where, When, Fred Starts, Joe offense, Joe defense, Opp. C, OutCome

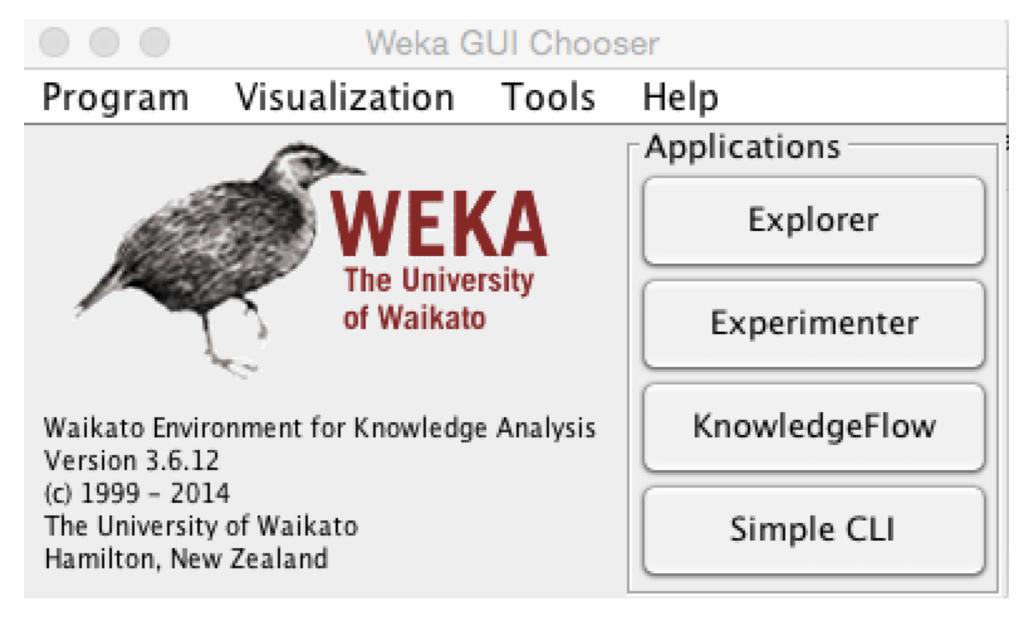
Home, 7pm, Yes, Center, Forward, Tall, 1
Home, 7pm, Yes, Forward, Forward, Tall, 1
Home, 5pm, No, Forward, Center, Tall, 0
Away, 9pm, Yes, Forward, Forward, Short, 0
Away, 7pm, No, Center, Forward, Tall, 1
Home, 7pm, No, Forward, Center, Tall, 0
Home, 7pm, Yes, Center, Center, Talls, 1
Away, 7pm, Yes, Center, Center, Short, 1

Data Instances
```

Header: a list of attribute names, separated by comma","

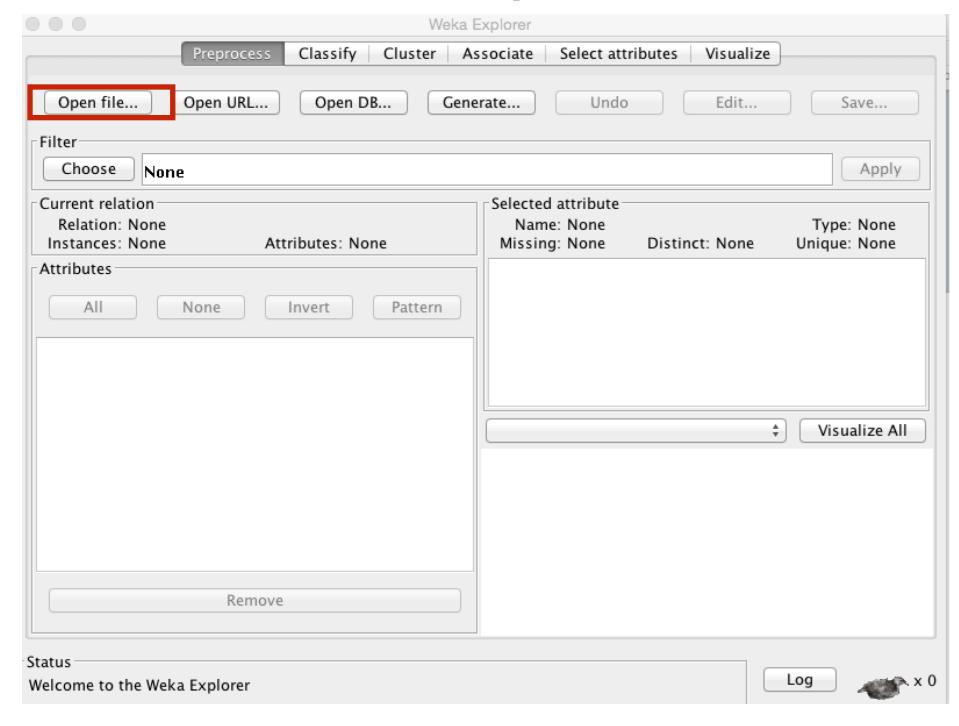
Data Instances: each line is one data instance. A list of attribute value, separated by comma ","

Welcome GUI



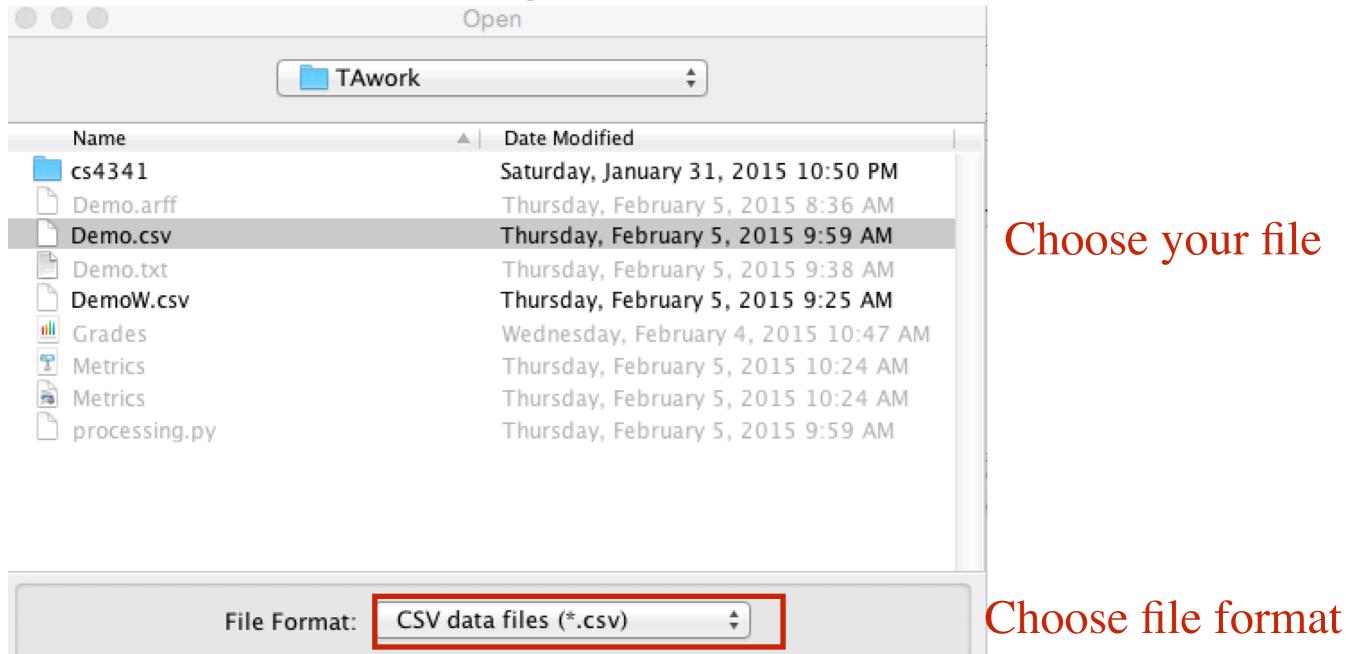
Choose the "Explorer" option. "Experimenter" is used to quickly make many trees, but as a result does not provide as much information.

Import Data



Click "Open file"

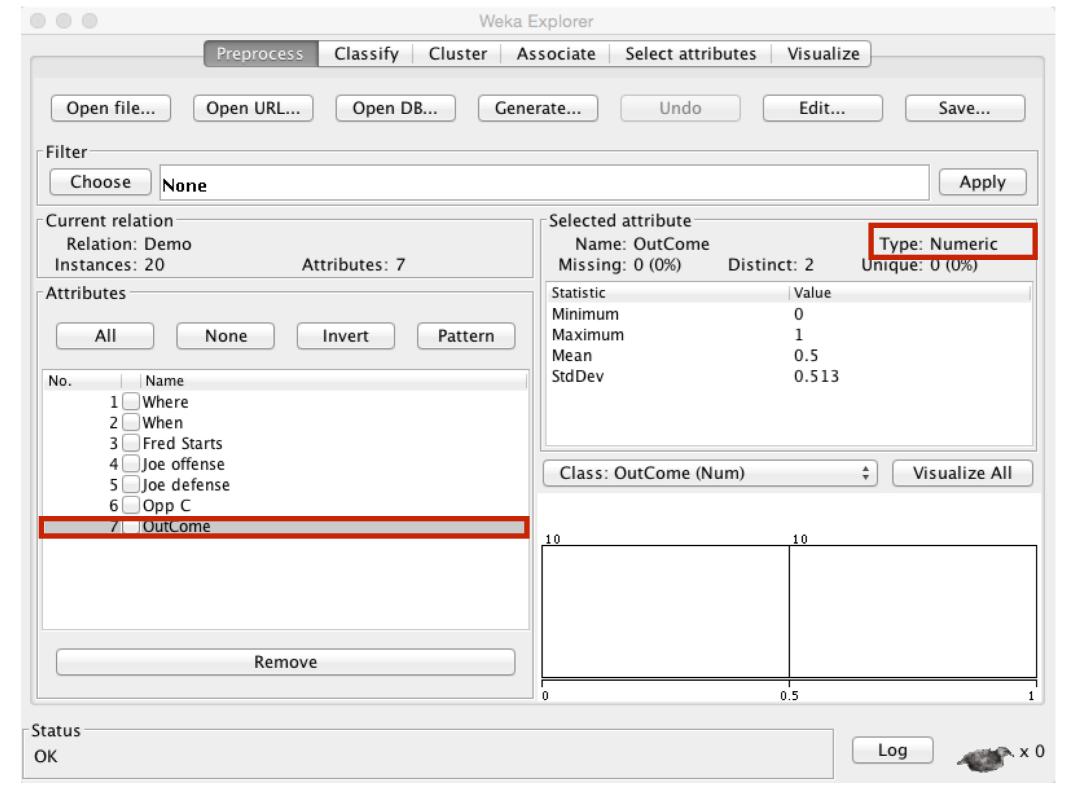
Import Data



Cancel

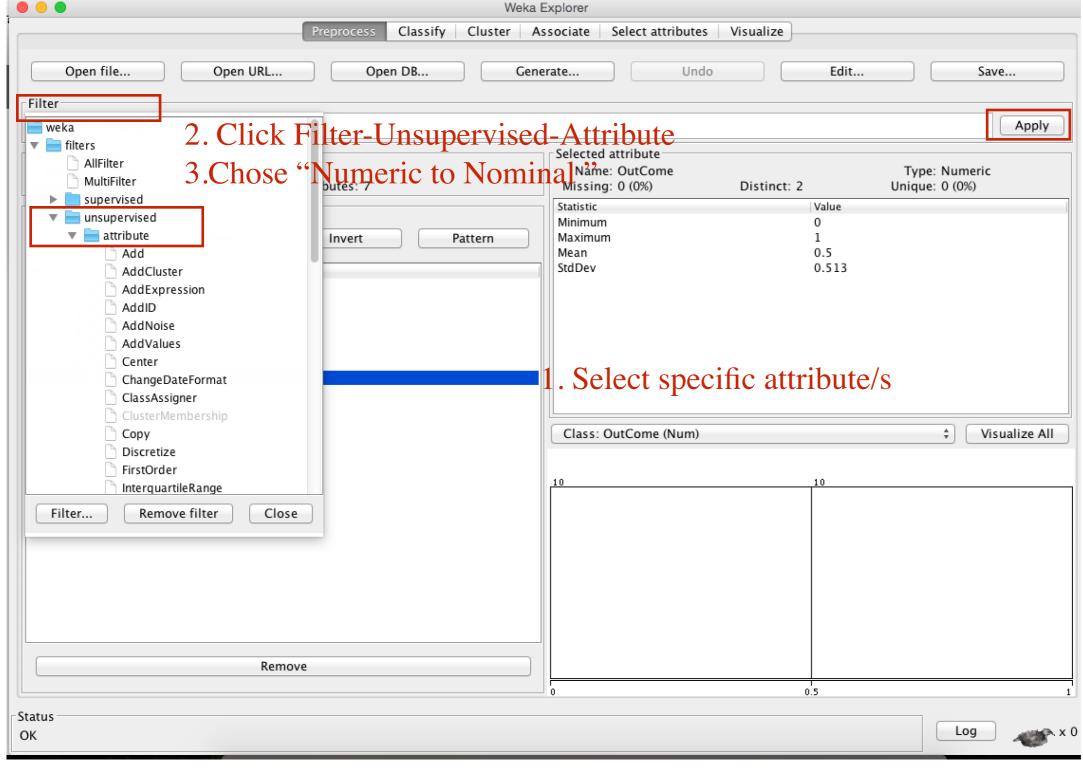
Choose

Preprocessing Data



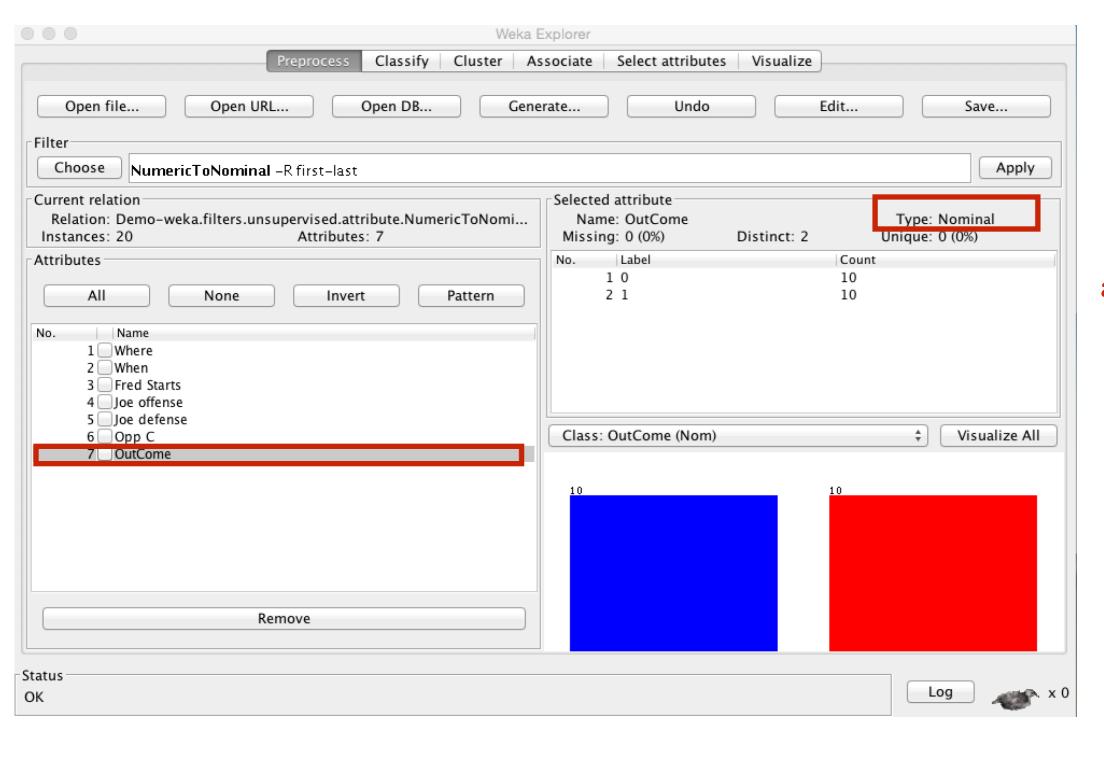
Check data type of each attribute

Preprocessing Data



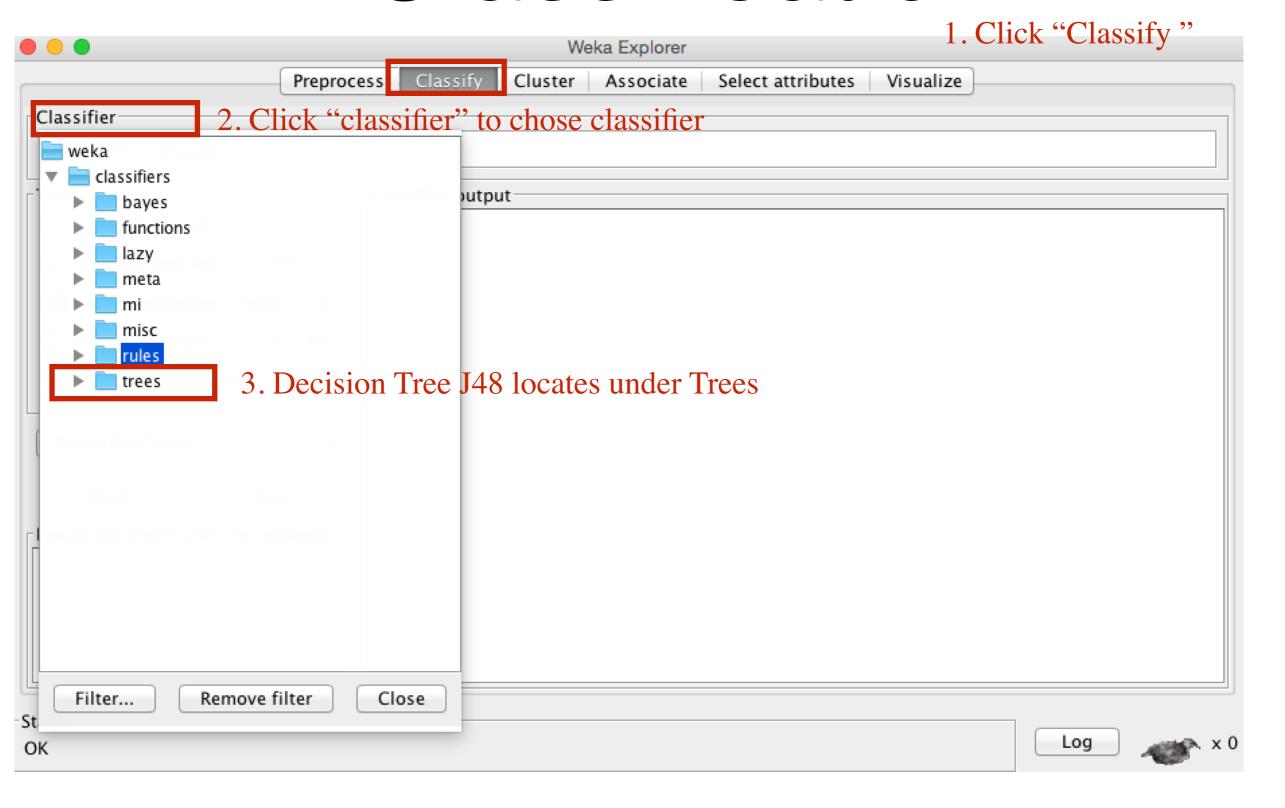
4. Apply Filter

Preprocessing Data

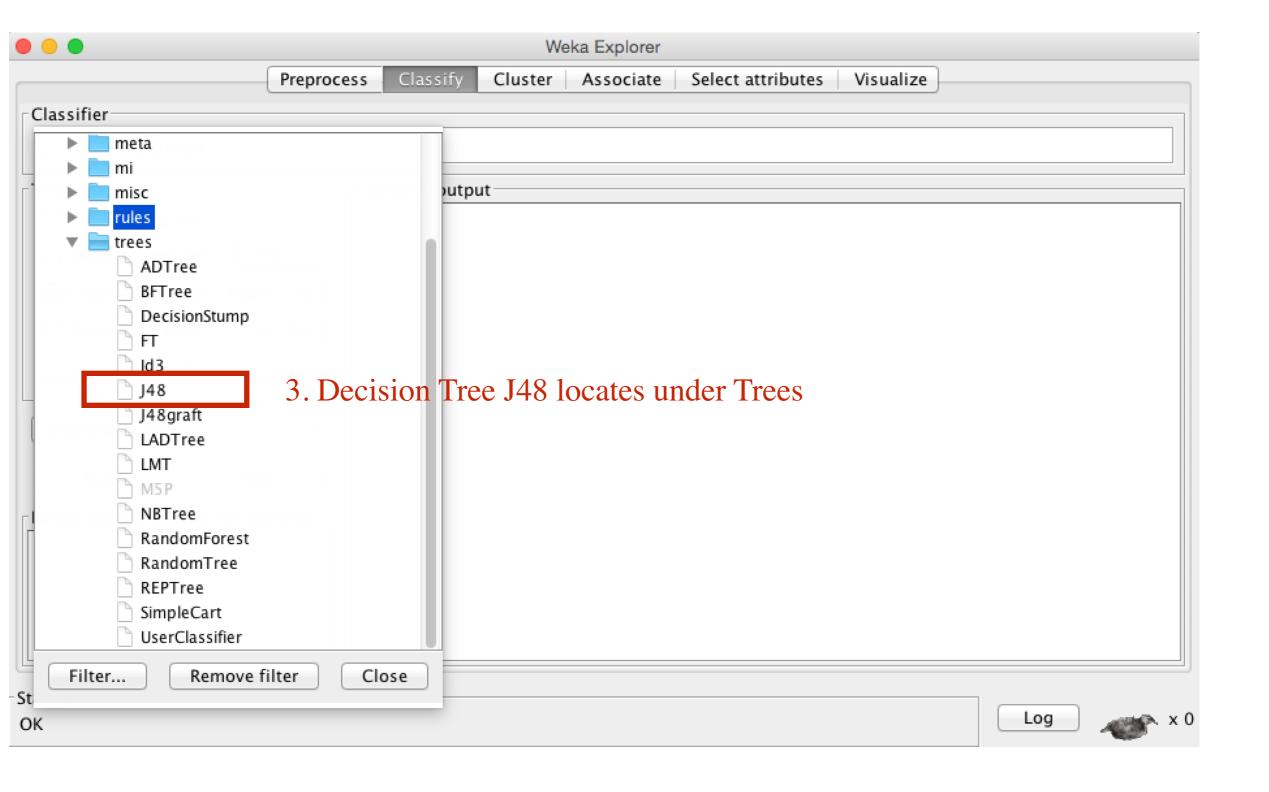


Check data type of each attribute again

Classification



Classification-DT

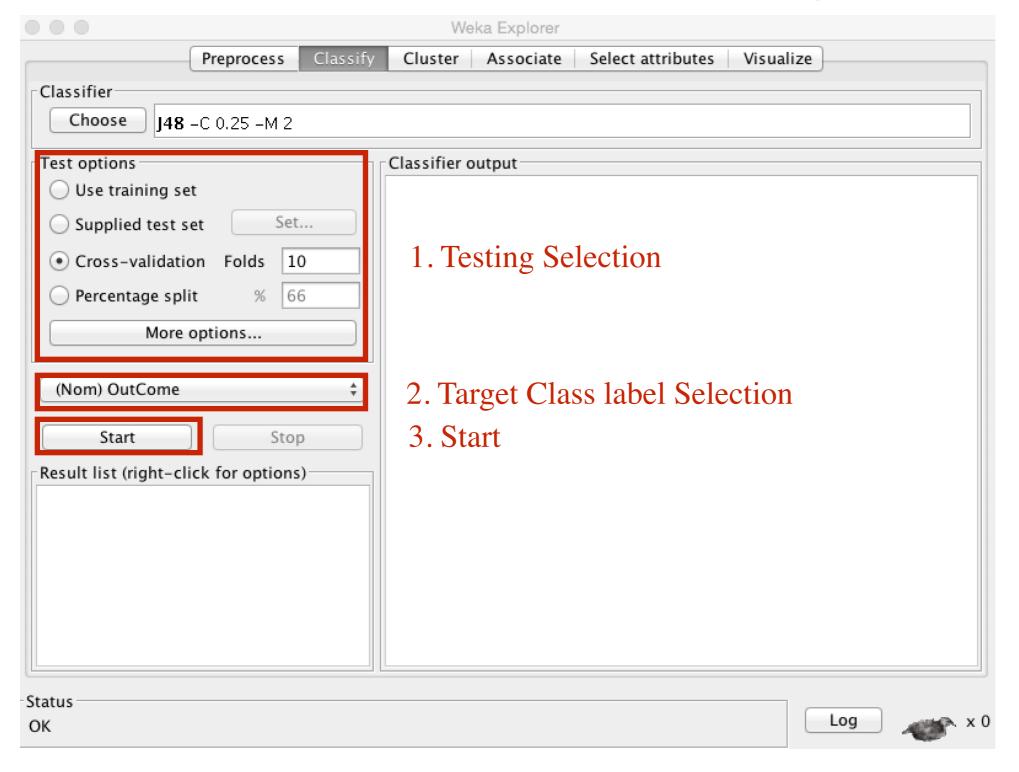


Classification-DT

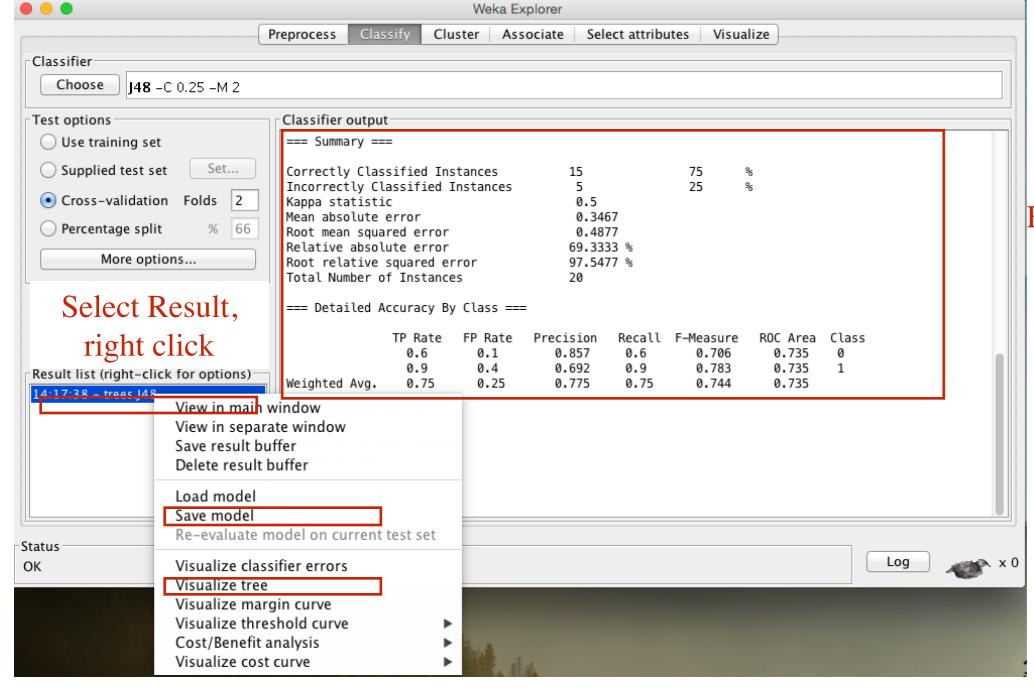


Before apply J48, check its configuration and change it as you want

Testing



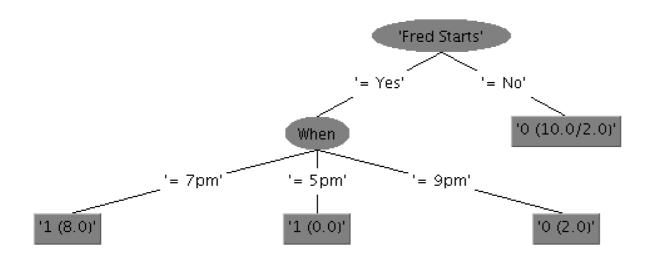
Experiment Result



Experiment Result

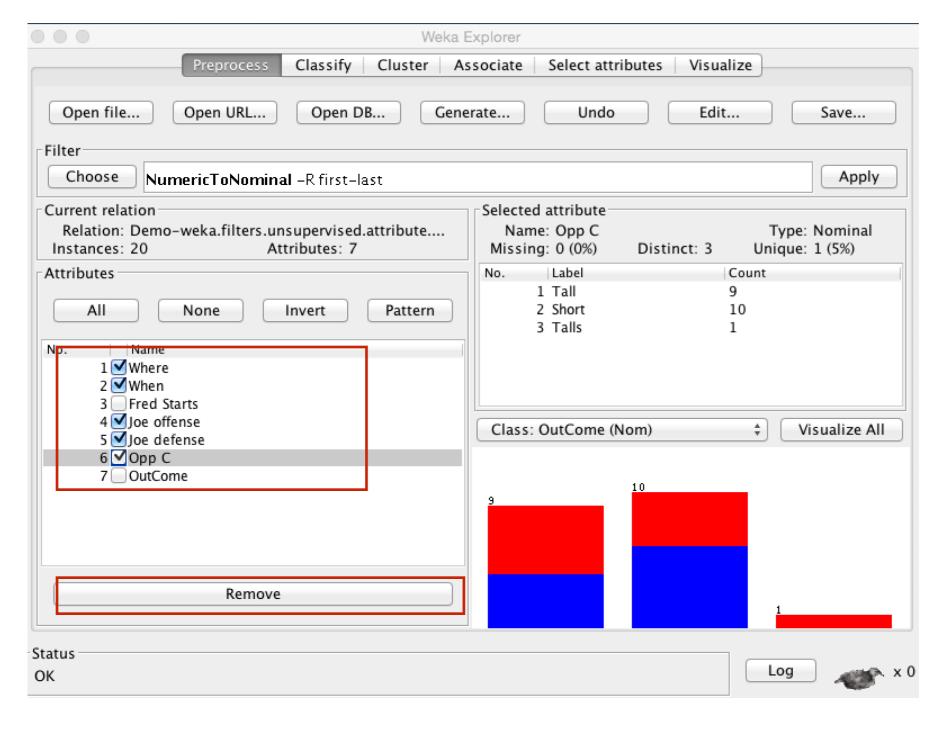
Experiment Result

Weka Classifier Tree Visualizer: 14:17:38 - trees.J48 (Demo-weka....
 Tree View



Tree Visualization

Single Predicability

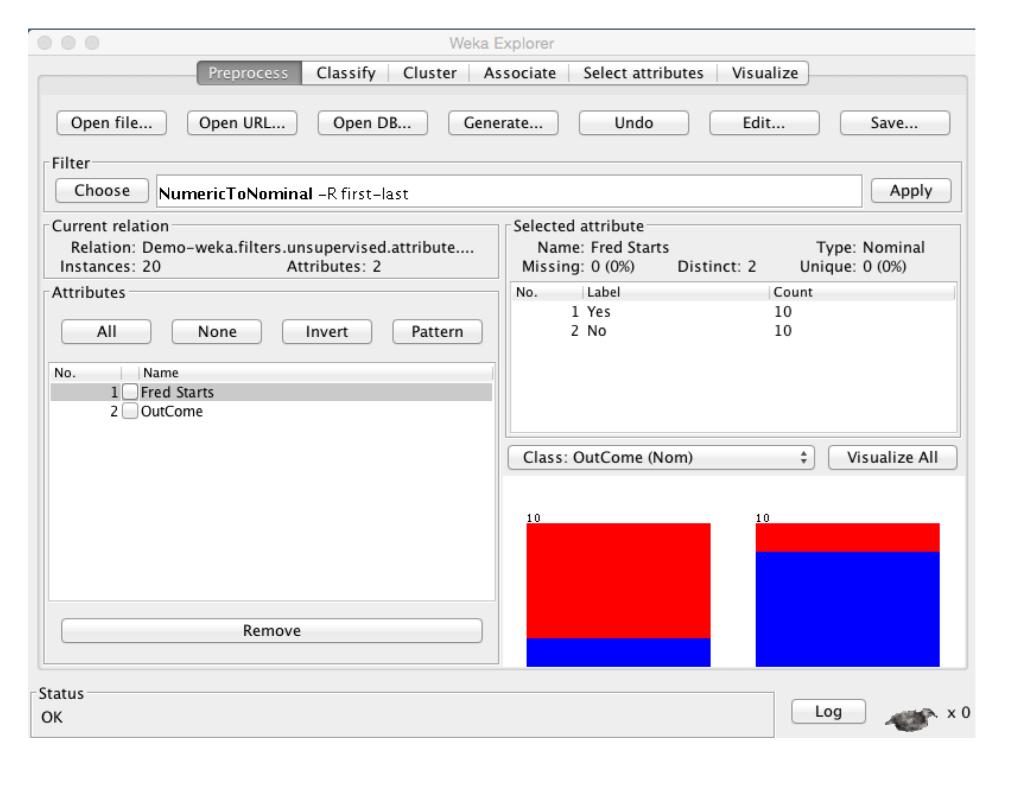


To evaluate the value of "Fred Stars"

1. Select other features

2. Remove them

Single Predicability



Apply the same procedure as previous one

Undo

Use "undo" to withdraw previous remove

