



Data Mining with Weka

Visualizing your data

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Visualizing your data

Using the Visualize panel

- ❖ Open iris.arff
- ❖ Bring up Visualize panel
- ❖ Click one of the plots; examine some instances
- ❖ Set x axis to petalwidth and y axis to petallength
- ❖ Click on Class colour to change the colour
- ❖ Bars on the right change correspond to attributes: click for x axis; right-click for y axis
- ❖ Jitter slider
- ❖ Show Select Instance: Rectangle option
- ❖ Submit, Reset, Clear and Save

Visualizing your data

Visualizing classification errors

- ❖ Run J48 (`trees>J48`)
- ❖ Visualize classifier errors (from Results list)
- ❖ Plot predictedclass against class
- ❖ Identify errors shown by confusion matrix

Visualizing your data

- ❖ Get down and dirty with your data
- ❖ Visualize it
- ❖ Clean it up by deleting outliers
- ❖ Look at classification errors
 - (there's a filter that allows you to add classifications as a new attribute)