How to run Naïve Bayes using Weka

- Start Weka
- Click *Explorer*
- Click *Open file…*
- Browse to the location where you saved *Diabetes-binary.arff* file and open it.
- Click *Classify* tab.
- Click *Choose* button (below *Classifier*)
- Expand *bayes* folder by clicking '+' symbol and select *NaiveBayes*
- Choose *Percentage split* as the *Test options* and specify 66% (default)
- Click *Start*
- Classifier output window will show various performance measures, including the confusion matrix (on the test dataset).

How to run Naïve Bayes using JMP Pro

Refer to *Predictive and Specialized Modeling.pdf*, which you can find from JMP Pro documentations, for more details.

- Start JMP Pro
- Open *Diabetes-binary.jmp*
- Select Analyze > Predictive Modeling > Naïve Bayes
- Select *Age* through *Glucose* and click *X,Factor*
- Select *Class* and click *Y,Response*
- Select *Validation* (on the left) and click *Validation* (on the right)
- Click OK.
- You will see Naïve Bayes Report (or output), which shows misclassification rates (or error rates), confusion matrices, and ROC curves (we will discuss these performance measures in Week 4).