* naiveBayes
  + overall performance not great
  + good false negative performance
* bayesNet
  + slower and worse than naiveBayes
* simpleLogistic
  + not enough memory
* RBFNetwork
  + Only predicts null hypothesis
* libLinear
  + vary C 1,100
    - little change
* logitBoost
  + decisionStump
  + J48
    - Cannot run on numeric data
  + naiveBayes
  + libLinear
  + numIter – almost no difference
    - 10
    - 100
* adaBoost
  + similar to logitBoost
* gradientBoost/additive regression
* ensembleSelection
  + repTree
  + j48 - toylist
    - Takes a long time and not great results
  + naiveBayes
    - good recall at cost of precision
* costSensitiveClassifier
  + decisionStump
    - no change with cost matrix
  + naiveBayes
    - great run time
    - works pretty well
  + bayesNet
  + REPTree
    - Ok, not as good as naiveBayes
  + J48
    - Works pretty well. Good run time
    - Responds to cost matrix

notes:

* set desired false positive rate

queue

* logitBoost with naiveBayes
* vary C parameter for J48
* ensembleSelection naiveBayes max RMSE

best so far: costSensitiveClassifier

What we want to maximize:

Monies = (#TN \* typical\_profit) - (#FN \* typical\_cost)