Liblinear one-vs-all-classifier-implementation

```
%# Fisher Iris dataset
load fisheriris
[~,~,labels] = unique(species);
                                   %# labels: 1/2/3
data = zscore(meas);
                                   %# scale features
numInst = size(data,1);
numLabels = max(labels);
%# split training/testing
idx = randperm(numInst);
numTrain = 100; numTest = numInst - numTrain;
trainData = data(idx(1:numTrain),:); testData = data(idx(numTrain+1:end),:);
trainLabel = labels(idx(1:numTrain)); testLabel =
labels(idx(numTrain+1:end));
Here is my implementation for the one-against-all approach for multi-class SVM:
%# train one-against-all models
model = train(double(trainLabel), sparse(trainData), '-c 1 -B 1')
[pred, accuracyVal ,prob] = predict(double(testLabel), sparse(testData),
model, '-b 1');
acc = sum(pred == testLabel) ./ numel(testLabel)
                                                      %# accuracy
C = confusionmat(testLabel, pred)
                                                      %# confusion matrix
FAQ: http://www.csie.ntu.edu.tw/~cjlin/libsvm/faq.html#/Q9:_MATLAB_interface
Another method>> Use ovrtrain and ovrpredict wrapper
```