

## README

To test the supervised classifier, please follow the instructions below:

1. Train the machine: Use function `train('dir',N)` with `dir` = train image directory and `N` = dimensions for feature vectors. E.g: In command Window `train('images/train',6);`
2. Test result: Run function `getConfusionMatrix(dir)` with `dir` = test image directory. E.g `getConfusionMatrix('images/test');`
3. The result will show in the command window by confusion matrix.

To test the unsupervised classifier, please follow the instructions below:

1. Open script `TestGMMEM.m`
2. Specify the `testDir` as the test image directory.
3. Run the script and the result will show in the command window.

Note: The performance for unsupervised is varying due to uncertainty of EM algorithm.

The above instructions are based on Matlab, all code has been tested and run well on MATLAB R2015b.