



Image

Multi-scale  
SIFT

SIFT  
codebook

Non-linear  
SVM

Color

Color  
codebook

Non-linear  
SVM

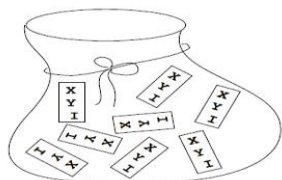
Multi-scale  
LBP

LBP  
codebook

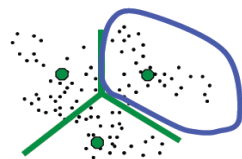
Non-linear  
SVM

Class1  
Class2  
...

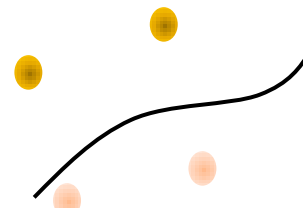
Class  
labels



Bag of Words



K-Means Clustering



Classification