Use PCA to reduce dimensionality of learning data set





Use learned classification on new data reduced with PCA



Evaluate results of classification

Data Processing

- Find an appropriate data set



Learning Algorithms

- Implement k means and PCA
- Abstract classes for wide application
- Test and tune algorithms



Combining PCA and k means to group new data

- Create pipeline to reduce data with PCA and then cluster with k means
 Evaluate results of machined
- learned classification