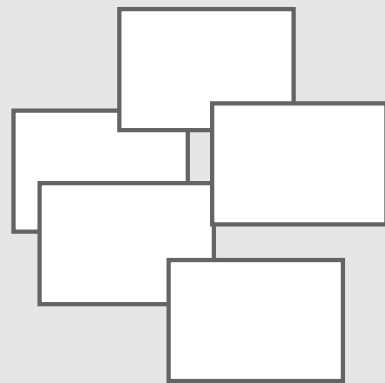


subdir dataset/
access to dataset and
intermediate results

class Dataset



class ImageItem



directory with data

images/ ... input images
results/ ... intermediate results
web/ ... web/html output

class BagOfWords
combines other components
provides functionality to:
- create the visual dictionary
- perform the similarity search

subdir binariyio/
reading and writing:
- extracted features (cv::Mat)
- cluster centroids
- histograms and weighting factors

subdir tools/
commonly used functionality,
in particular linear algebra and
random number sampling

subdir ../test/
tests for various components

subdir features/
wrapper around OpenCV feature extraction

subdir clustering/
clustering of extracted features

abstract class ClusteringStrategy

different implementations:

class ClusteringStrategyKmeans

class ClusteringStrategyKmeansVers2

class ClusteringStrategyKmeansOpenCV

subdir histogram/
representing and comparing histograms

subdir web/
generating web/html output:
- rescaling images, jpg conversion
- making histogram plots
- html writing