SimpleCV Documentation

Release 1.3

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Contents

This is the online documentation for all of the SimpleCV functions. If you are looking for help on how to install SimpleCV, there is an installation guide which can help (http://simplecv.org/download). If you are just starting to program with SimpleCV, you can find example code and tutorials in the Learn section of this site (http://tutorial.simplecv.org). To access the documentation, click on the package name below or in the header bar above. This will show you all of the classes and methods defined for that package, and then you just click on the item that you're interested in.

Help within the Shell:

```
# You can always get documentation from within the SimpleCV Shell as well by doing
>>> img = Image('simplecv')
>>> help(img)
>>> # you can do the same with
>>> img?
# documentation will output here, press 'q' to quit documentation mode
```

API documentation

1.1 SimpleCV package

1.1.1 Subpackages

SimpleCV.Features package

Submodules

SimpleCV.Features.BOFFeatureExtractor module

SimpleCV.Features.Blob module

SimpleCV.Features.BlobMaker module

SimpleCV.Features.Detection module

SimpleCV.Features.EdgeHistogramFeatureExtractor module

SimpleCV.Features.FaceRecognizer module

SimpleCV.Features.FeatureExtractorBase module

SimpleCV.Features.FeatureUtils module

SimpleCV.Features.Features module

SimpleCV.Features.HaarCascade module

SimpleCV.Features.HaarLikeFeature module

SimpleCV.Features.HaarLikeFeatureExtractor module

SimpleCV.Features.HueHistogramFeatureExtractor module

SimpleCV.Features.MorphologyFeatureExtractor module

Module contents

SimpleCV.MachineLearning package

Submodules

SimpleCV.MachineLearning.ConfusionMatrix module

SimpleCV.MachineLearning.KNNClassifier module

SimpleCV.MachineLearning.NaiveBayesClassifier module

SimpleCV.MachineLearning.SVMClassifier module

SimpleCV.MachineLearning.ShapeContextClassifier module

SimpleCV.MachineLearning.TemporalColorTracker module

SimpleCV.MachineLearning.TreeClassifier module

SimpleCV.MachineLearning.TurkingModule module

Module contents

SimpleCV.Segmentation package

Submodules

SimpleCV.Segmentation.ColorSegmentation module

SimpleCV.Segmentation.DiffSegmentation module

SimpleCV.Segmentation.MOGSegmentation module

SimpleCV.Segmentation.RunningSegmentation module

SimpleCV.Segmentation.SegmentationBase module

Module contents

SimpleCV.Tracking package

Submodules

SimpleCV.Tracking.CAMShiftTracker module

SimpleCV.Tracking.LKTracker module

SimpleCV.Tracking.MFTracker module

SimpleCV.Tracking.SURFTracker module

SimpleCV.Tracking.TrackClass module

SimpleCV.Tracking.TrackSet module

Module contents

1.1.2 Submodules

SimpleCV.Camera module

SimpleCV.Color module

SimpleCV.ColorModel module

SimpleCV.DFT module

SimpleCV.Display module

SimpleCV.DrawingLayer module

SimpleCV.Font module

SimpleCV.ImageClass module

SimpleCV.LineScan module

SimpleCV.Stream module

SimpleCV.base module

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