



Human-Oriented Robotics

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Exercise 6: k-NN, Cross Validation, Performance Measures – Solutions –

Exercise 6.1: Classification with k-NN

The k-NN classifier is implemented in `classifyknn.m` and can be run using `RunKNN.m`.

The additional distance metrics are implemented in `calcl1norm.m` and `calcl1fnorm.m`. A test script for the distance metrics can be found in `TestCalcDistances.m`.

Exercise 6.2: Cross-Validation

See `RunKNNCV.m`.

Exercise 6.3: Classification Comparison

Execute `RunSVMCV.m` to run 5-fold cross validation for the linear and RBF SVM.