

Results

Logistic Regression on time series *UWaveGestureLibraryAll*

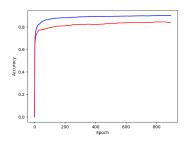
Bertrand Charpentier

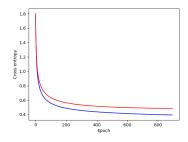
KTH - Ensimag bercha@kth.se

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Results





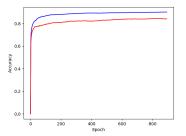
Logistic regression with early stopping

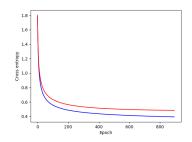
Parameters

- Regularization L2 norm
- Regularization factor= 0.001
- Stop after 200 epochs without improvements in accuracy

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Logistic regression with early stopping

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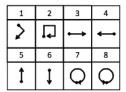


Figure 3: Gesture vocabulary adopted from [KKM+06]. The dot denotes the start and the arrow the end

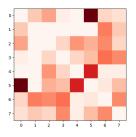


Figure: Logistic regression with early stopping - Original gestures (left) - Darkest squares on the confusion map (right) indicates gestures which are often confused

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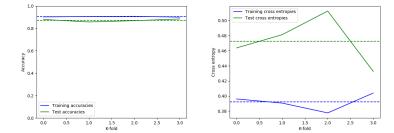


Figure: 4 folds cross validation on logistic regression with 1200 epochs and regularization factor $=0.001\,$