



CS 653 : Mobile Computing

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- Number of samples in the training dataset = 1192
- Total time of the training data set = 0.0549 seconds
- Size of the window = 1000 milliseconds = 1 seconds
- Features selected = accelx , accely , accelz.
- Parameters of the learned model =
 - Kernel type = Radial Basis Function (RBF)
 - Gamma = 0.333333
 - Nr_class = 2
 - Total_sv = 128
 - Rho = -0.918966
 - Label = 1 -1
 - Nr_sv = 118 10
- Number of samples in the evaluation dataset = 348
- Total time of the evaluation dataset = 0.09235 seconds
- Confusion Matrix :

True Positive (TP) = 171	False Positive (FP) = 0
False Negative (FN) = 0	True Negative (TN) = 177

- Accuracy = $(TP+TN) / (TP+FP+FN+TN) = 1.0$
- Precision = $TP / (TP+FP) = 1.0$
- Recall = $TP / (TP+FN) = 1.0$
- F-score = $2*TP / (2*TP + FP + FN) = 1.0$