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| SL.no | CODE NAME (PLEASE RUN THESE, others are functions that supports these) | PURPOSE |
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| 1 | opensetwithadaptivethres.py | Open set text independent speaker identification after putting the threshold with MFCC. Calculates required inputs for automatic threshold prediction |
| 2 | adaptivthreshold.py | Automatic threshold prediction. Needs to run the previous script in order to run this |
| 3 | opensetwithrandomforestcepstral (40).py | Open set text independent speaker identification after putting the threshold with CC |
| 4 | test2.py | Closed set speaker identification with NED and MFCC |
| 5 | opensettest.py | Open set speaker identification with NED and MFCC and manual threshold |
| 6 | knn-mfcc.py | KNN+MFCC implementation. Needed to put required train and test set in places. Dependent on train2 |
| 7 | knnceps40.py | KNN+CC implementation. Needed to put required train and test set in places. Dependent on trainceps2 |
| 8 | knncentroid.py | KNN+ centroid implementation. Needed to put required train and test set in places |
| 9 | knnhpcp.py | KNN+ HPCP implementation. Needed to put required train and test set in places. |
| 10 | knnlpc.py | KNN+ LPC implementation. Needed to put required train and test set in places. |
| 11 | knnsalience.py | KNN+ SALIENCE implementation. Needed to put required train and test set in place. |
| 12 | svm-and-kernel-svm-centroid.py | KNN+ centroid implementation. Needed to put required train and test set in place. |
| 13 | svm-and-kernel-svm-hpcp.py | KNN+ HPCP implementation. Needed to put required train and test set in place. |
| 14 | svm-and-kernel-svm-lpc.py | KNN+ LPC implementation. Needed to put required train and test set in place. |
| 15 | svm-and-kernel-svm-salience.py | KNN+ SALIENCE implementation. Needed to put required train and test set in place. |
| 16 | svm-and-kernel-svm-ceps40.py | KNN+ CC implementation. Needed to put required train and test set in place. |
| 17 | svm-mfcc.py | KNN+ MFCC implementation. Needed to put required train and test set in place. |
| 18 | ann-centroid.py | ANN+ centroid implementation. Needed to put required train and test set in place. |
| 19 | ann-lpc-10.py | ANN+ LPC implementation. Needed to put required train and test set in place. |
| 20 | annhpcp.py | ANN+ HPCP implementation. Needed to put required train and test set in place. |
| 21 | ann-salience.py | ANN+ salience implementation. Needed to put required train and test set in place. |
| 22 | annmfcc10.py | ANN+ MFCC implementation. Needed to put required train and test set in place. |
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| Sl.No | CODE NAME (PLEASE RUN THESE, others are functions that supports these) | PURPOSE |
| 23 | annceps-40-5.py | ANN+ CC implementation. Needed to put required train and test set in place. |
| 24 | randomforest-centroid.py | RF + Centroid implementation. Needed to put required train and test set in place. |
| 25 | randomforest-hpcp.py | RF+ HPCP implementation. Needed to put required train and test set in place. |
| 26 | randomforest-salience.py | RF+ salience implementation. Needed to put required train and test set in place. |
| 27 | randomforestlpc.py | RF+ LPC implementation. Needed to put required train and test set in place. |
| 28 | randomforest-mfcc.py | RF+ MFCC implementation. Needed to put required train and test set in place. |
| 29 | randomforest-ceps40.py | RF+ CC implementation. Needed to put required train and test set in place. |
| 30 | lda2.py | LDA calculation template for HPCP, Centroid, Salience |
| 31 | muslda.py | LDA calculation template for MFCC |
| 32 | musldaceps.py | LDA calculation template for CC |
| 33 | ldacentroidreal.py | Generate train,test template for centroid |
| 34 | ldahpcp.py | Generate train,test template for hpcp |
| 35 | ldasal.py | Generate train,test template for salience |
| 36 | trainlpc.py | Train template for LPC |
| 37 | train2.py | Train template for MFCC |
| 38 | trainceps2.py | Train template for CC |
| 39 | mustsne.py | Tsne plot of MFCC of speakers |
| 40 | TestUnkGMM.mat | GMM-UBM+log-likelihood speaker identification open set |
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| NAME OF DATASET | USE |
| train | Train dataset of Uyghur male dataset |
| test | Test dataset of Uyghur male dataset |
| trainrev | Train dataset of Uyghur female dataset |
| testrev | Test dataset of Uyghur female dataset |
| trainlibri | Train dataset of Librispeech voices |
| testlibri | Test dataset of Librispeech voices |
| Muss2 | Train of experiment 1 of musical instrument classification |
| Muss3 | Train of experiment 3 of musical instrument classification |
| Trainmuss4F | Train of experiment 2 of musical instrument classification |
| Testmuss2 | Test of experiment 1 of musical instrument classification |
| testre | Test of experiment 3 of musical instrument classification |
| testpitch | Test of experiment 2 of musical instrument classification |
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