

# CS5542 Big Data Apps and Analytics

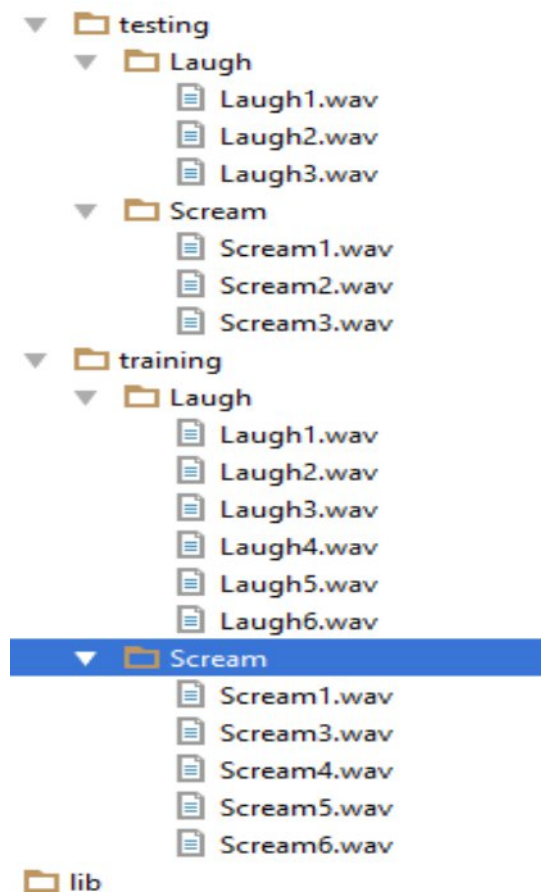
Lab-10

Class ID Student 1: 5

Class ID Student 2: 23

Data is classified in to two parts:

- Training
- Testing



## Audio Classification:

### Generating Features from Testing audio data:

```
C:/Users/daras/Downloads/CS5542-Tutorial10-SourceCode/CS5542-Tutorial10-SourceCode/AudioClassification/data/testing/Laugh/Laugh1.wav7413.0;2.08402119504207E-5;0.1797332763671875,0.5533333333333333,5.111566513127732E-4]
(-1.0,[7413.0,2.08402119504207E-5,0.1797332763671875,0.5533333333333333,5.111566513127732E-4])
-1.0 [7413.0,2.08402119504207E-5,0.1797332763671875,0.5533333333333333,5.111566513127732E-4]
```

### Generating Features from Training audio data:

```
C:/Users/daras/Downloads/CS5542-Tutorial10-SourceCode/CS5542-Tutorial10-SourceCode/AudioClassification/data/training/Laugh/Laugh4.wav19152.0;6.273567742067581E-12;0.0734100341796875,0.5533333333333333,5.111566513127732E-4]
(-1.0,[7413.0,2.08402119504207E-5,0.1797332763671875,0.5533333333333333,5.111566513127732E-4])
(-1.0,[19152.0,6.273567742067581E-12,0.0734100341796875,0.5533333333333333,9.144904673660746E-4])
-1.0 [19152.0,6.273567742067581E-12,0.0734100341796875,0.5533333333333333,9.144904673660746E-4]
-1.0 [7413.0,2.08402119504207E-5,0.1797332763671875,0.5533333333333333,5.111566513127732E-4]
```

## Accuracy Obtained:

```
C:/Users/daras/Downloads/CS5542-Tutorial10-SourceCode/CS5542-Tutorial10-SourceCode/AudioClassification/data/testing/Scream/Scream3.wav18727.0;0.0;0.0616912841796875;0.6
(-1.0,[18727.0,0.0,0.0616912841796875,0.6266666666666667,9.321013677437311E-5])
Accuracy : 1.0
```

## Confusion Matrix:

```
Confusion Matrix
16/04/15 20:48:38 INFO SparkContext: Invoking stop() from shutdown hook

: 6.0
```

## Notification on Device:

I'm waiting here: 1234

Site Local Address: 192.168.1.152

#1 from /192.168.1.250:60895

Laugh

Replayed: Hello from Android, You are #1

