Last login: Mon Apr 22 14:46:11 on ttys000

Andys-MacBook-Air:~ andy$ cd /usr/local/bin

Andys-MacBook-Air:bin andy$ vi split3s

Andys-MacBook-Air:bin andy$ chmod 700 /udr/local/bin/split3s

chmod: /udr/local/bin/split3s: No such file or directory

Andys-MacBook-Air:bin andy$ cd /usr/local/bin

Andys-MacBook-Air:bin andy$ ls -l spl\*

-rw-r--r--  1 andy  admin  908 Apr 22 15:04 split3s

Andys-MacBook-Air:bin andy$ chmod 700 split3s

Andys-MacBook-Air:bin andy$ pwd

/usr/local/bin

Andys-MacBook-Air:bin andy$ cd /AboveCare

Andys-MacBook-Air:AboveCare andy$ cd Dev

Andys-MacBook-Air:Dev andy$ cd Matlab

Andys-MacBook-Air:Matlab andy$ cd dataset

Andys-MacBook-Air:dataset andy$ ls

3m m\_v&3m\_4k m\_v2\_4k v1\_avf v\_000

3m\_3s m\_v1 m\_v2\_avf v1\_avf\_4k v\_100%

3m\_avf m\_v1\_4k m\_v2\_avf\_4k v2 x\_v&3m\_4k

m\_3m m\_v1\_avf split3s v2\_4k z Old

m\_3m\_3s m\_v1\_avf\_4k v1 v2\_avf

m\_3m\_avf m\_v2 v1\_4k v2\_avf\_4k

Andys-MacBook-Air:dataset andy$ cd v1\_4k

Andys-MacBook-Air:v1\_4k andy$ split3s

/usr/local/bin/split3s: line 1: unexpected EOF while looking for matching `"'

/usr/local/bin/split3s: line 27: syntax error: unexpected end of file

Andys-MacBook-Air:v1\_4k andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k

Andys-MacBook-Air:v1\_4k andy$ cd 1

Andys-MacBook-Air:1 andy$ split3s

/usr/local/bin/split3s: line 1: unexpected EOF while looking for matching `"'

/usr/local/bin/split3s: line 27: syntax error: unexpected end of file

Andys-MacBook-Air:1 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/1

Andys-MacBook-Air:1 andy$ cd ..

Andys-MacBook-Air:v1\_4k andy$ vi split3s

Andys-MacBook-Air:v1\_4k andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k

Andys-MacBook-Air:v1\_4k andy$ cd 1

Andys-MacBook-Air:1 andy$ chmod 700 split3s

chmod: split3s: No such file or directory

Andys-MacBook-Air:1 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/1

Andys-MacBook-Air:1 andy$ cd ..

Andys-MacBook-Air:v1\_4k andy$ chmod 700 split3s

Andys-MacBook-Air:v1\_4k andy$ cd 1

Andys-MacBook-Air:1 andy$ split3s

-bash: /usr/local/bin/split3s: No such file or directory

Andys-MacBook-Air:1 andy$ ls

post1.txt post2.txt pre1.txt pre2.txt

post1.wav post2.wav pre1.wav pre2.wav

Andys-MacBook-Air:1 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:1 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/1

Andys-MacBook-Air:1 andy$ cd ../2

Andys-MacBook-Air:2 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:2 andy$ cd ../3

Andys-MacBook-Air:3 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:3 andy$ cd ../4

Andys-MacBook-Air:4 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:4 andy$ cd ../5

Andys-MacBook-Air:5 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:5 andy$ cd ../6

Andys-MacBook-Air:6 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:6 andy$ vi do\_split

Andys-MacBook-Air:6 andy$ chmod 700 do\*

Andys-MacBook-Air:6 andy$ do\_split

-bash: do\_split: command not found

Andys-MacBook-Air:6 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/6

Andys-MacBook-Air:6 andy$ cd ..

Andys-MacBook-Air:v1\_4k andy$ do\_split

-bash: do\_split: command not found

Andys-MacBook-Air:v1\_4k andy$ ls

1 17 24 31 39 46 53 60 68 75 82

10 18 25 32 4 47 54 61 69 76 83

11 19 26 33 40 48 55 62 7 77 84

12 2 27 34 41 49 56 63 70 78 9

13 20 28 35 42 5 57 64 71 79 split3s

14 21 29 36 43 50 58 65 72 8

15 22 3 37 44 51 59 66 73 80

16 23 30 38 45 52 6 67 74 81

Andys-MacBook-Air:v1\_4k andy$ cd 6

Andys-MacBook-Air:6 andy$ ls do\*

do\_split

Andys-MacBook-Air:6 andy$ mv do\_split ../

Andys-MacBook-Air:6 andy$ cd ..

Andys-MacBook-Air:v1\_4k andy$ ls

1 26 42 59 75

10 27 43 6 76

11 28 44 60 77

12 29 45 61 78

13 3 46 62 79

14 30 47 63 8

15 31 48 64 80

16 32 49 65 81

17 33 5 66 82

18 34 50 67 83

19 35 51 68 84

2 36 52 69 9

20 37 53 7 do\_split

21 38 54 70 split3s

22 39 55 71

23 4 56 72

24 40 57 73

25 41 58 74

Andys-MacBook-Air:v1\_4k andy$ do\_split

-bash: do\_split: command not found

Andys-MacBook-Air:v1\_4k andy$ ls -l do\*

-rwx------  1 andy  wheel  76 Apr 22 15:25 do\_split

Andys-MacBook-Air:v1\_4k andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k

Andys-MacBook-Air:v1\_4k andy$ cd 7

Andys-MacBook-Air:7 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:7 andy$ cd ../8

Andys-MacBook-Air:8 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:8 andy$ cd ../9

Andys-MacBook-Air:9 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:9 andy$ cd 10

-bash: cd: 10: No such file or directory

Andys-MacBook-Air:9 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:9 andy$ cd ../10

Andys-MacBook-Air:10 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:10 andy$ cd ../11

Andys-MacBook-Air:11 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:11 andy$ cd ../12

Andys-MacBook-Air:12 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:12 andy$ cd ../13

Andys-MacBook-Air:13 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:13 andy$ cd ../14

Andys-MacBook-Air:14 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:14 andy$ cd ../15

Andys-MacBook-Air:15 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:15 andy$ cd ../16

Andys-MacBook-Air:16 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:16 andy$ cd ../17

Andys-MacBook-Air:17 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:17 andy$ cd ../18

Andys-MacBook-Air:18 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:18 andy$ cd ../19

Andys-MacBook-Air:19 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:19 andy$ cd ../20

Andys-MacBook-Air:20 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:20 andy$ cd ../21

Andys-MacBook-Air:21 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:21 andy$ cd ../22

Andys-MacBook-Air:22 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:22 andy$ cd ../23

Andys-MacBook-Air:23 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:23 andy$ cd ../24

Andys-MacBook-Air:24 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:24 andy$ cd ../25

Andys-MacBook-Air:25 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:25 andy$ cd ../26

Andys-MacBook-Air:26 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:26 andy$ cd ../26

Andys-MacBook-Air:26 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:26 andy$ cd ../28

Andys-MacBook-Air:28 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:28 andy$ cd../29

-bash: cd../29: No such file or directory

Andys-MacBook-Air:28 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/28

Andys-MacBook-Air:28 andy$ cd ../29

Andys-MacBook-Air:29 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/29

Andys-MacBook-Air:29 andy$

Andys-MacBook-Air:29 andy$ cd ../30

Andys-MacBook-Air:30 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/30

Andys-MacBook-Air:30 andy$ cd ../31

Andys-MacBook-Air:31 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/31

Andys-MacBook-Air:31 andy$ cd ../32

Andys-MacBook-Air:32 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/32

Andys-MacBook-Air:32 andy$ cd ../33

Andys-MacBook-Air:33 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:33 andy$ cd ../34

Andys-MacBook-Air:34 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:34 andy$ cd ../35

Andys-MacBook-Air:35 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:35 andy$ cd ../36

Andys-MacBook-Air:36 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:36 andy$ cd ../37

Andys-MacBook-Air:37 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:37 andy$ cd ../38

Andys-MacBook-Air:38 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:38 andy$ cd ../39

Andys-MacBook-Air:39 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:39 andy$ cd ../39

Andys-MacBook-Air:39 andy$ cd ../27

Andys-MacBook-Air:27 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:27 andy$ cd ../29

Andys-MacBook-Air:29 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:29 andy$ cd ../30

Andys-MacBook-Air:30 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:30 andy$ cd ../31

Andys-MacBook-Air:31 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:31 andy$ cd ../32

Andys-MacBook-Air:32 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:32 andy$ cd ../40

Andys-MacBook-Air:40 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:40 andy$ cd ../41

Andys-MacBook-Air:41 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:41 andy$ cd ../42

Andys-MacBook-Air:42 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:42 andy$ cd ../43

Andys-MacBook-Air:43 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:43 andy$ cd ../44

Andys-MacBook-Air:44 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:44 andy$ cd ../45

Andys-MacBook-Air:45 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

Andys-MacBook-Air:45 andy$ cd ../46

Andys-MacBook-Air:46 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:46 andy$ cd ../47

Andys-MacBook-Air:47 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:47 andy$ cd ../48

Andys-MacBook-Air:48 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:48 andy$ cd ../49

Andys-MacBook-Air:49 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:49 andy$ cd ../50

Andys-MacBook-Air:50 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:50 andy$ cd ../51

Andys-MacBook-Air:51 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:51 andy$ cd ../52

Andys-MacBook-Air:52 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:52 andy$ cd ../53

Andys-MacBook-Air:53 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:53 andy$ cd ../54

Andys-MacBook-Air:54 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:54 andy$ cd ../55

Andys-MacBook-Air:55 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:55 andy$ cd ../56

Andys-MacBook-Air:56 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:56 andy$ cd ../57

Andys-MacBook-Air:57 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:57 andy$ cd ../58

Andys-MacBook-Air:58 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:58 andy$ cd ../59

Andys-MacBook-Air:59 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:59 andy$ cd ../60

Andys-MacBook-Air:60 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:60 andy$ cd ../61

Andys-MacBook-Air:61 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:61 andy$ cd ../62

Andys-MacBook-Air:62 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:62 andy$ cd ../63

Andys-MacBook-Air:63 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:63 andy$ cd ../64

Andys-MacBook-Air:64 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:64 andy$ cd ../65

Andys-MacBook-Air:65 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:65 andy$ cd ../66

Andys-MacBook-Air:66 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:66 andy$ cd ../67

Andys-MacBook-Air:67 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:67 andy$ cd ../68

Andys-MacBook-Air:68 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:68 andy$ cd ../69

Andys-MacBook-Air:69 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:69 andy$ cd ../70

Andys-MacBook-Air:70 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:70 andy$ cd ../71

Andys-MacBook-Air:71 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:71 andy$ cd ../72

Andys-MacBook-Air:72 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:72 andy$ cd ../73

Andys-MacBook-Air:73 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:73 andy$ cd ../74

Andys-MacBook-Air:74 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:74 andy$ cd ../75

Andys-MacBook-Air:75 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:75 andy$ cd ../76

Andys-MacBook-Air:76 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:76 andy$ cd ../77

Andys-MacBook-Air:77 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:77 andy$ cd ../78

Andys-MacBook-Air:78 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:78 andy$ cd ../79

Andys-MacBook-Air:79 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:79 andy$ cd ../80

Andys-MacBook-Air:80 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:80 andy$ cd ../81

Andys-MacBook-Air:81 andy$ cd ../82

Andys-MacBook-Air:82 andy$ cd ../81

Andys-MacBook-Air:81 andy$ cd ../83

Andys-MacBook-Air:83 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:83 andy$ cd ../81

Andys-MacBook-Air:81 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:81 andy$ cd ../82

Andys-MacBook-Air:82 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:82 andy$ cd ../84

Andys-MacBook-Air:84 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:84 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k/84

Andys-MacBook-Air:84 andy$ cd ../../v2\_4k

Andys-MacBook-Air:v2\_4k andy$ cd 93

Andys-MacBook-Air:93 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:93 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v2\_4k/93

Andys-MacBook-Air:93 andy$ cd ../../v2\_4k\_3s

Andys-MacBook-Air:v2\_4k\_3s andy$ ls

100 108 116 124 132 140 do\_split

101 109 117 125 133 93 split3s

102 110 118 126 134 94

103 111 119 127 135 95

104 112 120 128 136 96

105 113 121 129 137 97

106 114 122 130 138 98

107 115 123 131 139 99

Andys-MacBook-Air:v2\_4k\_3s andy$ cd 93

Andys-MacBook-Air:93 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:93 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v2\_4k\_3s/93

Andys-MacBook-Air:93 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:93 andy$ cd ../94

Andys-MacBook-Air:94 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:94 andy$ cd ../95

Andys-MacBook-Air:95 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:95 andy$ cd ../96

Andys-MacBook-Air:96 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:96 andy$ cd ../97

Andys-MacBook-Air:97 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:97 andy$ cd ../98

Andys-MacBook-Air:98 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:98 andy$ cd ../99

Andys-MacBook-Air:99 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:99 andy$ cd ../100

Andys-MacBook-Air:100 andy$ ../split3s

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:100 andy$ cd ../101

Andys-MacBook-Air:101 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:101 andy$ cd ../102

Andys-MacBook-Air:102 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:102 andy$ cd ../103

Andys-MacBook-Air:103 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:103 andy$ cd ../104

Andys-MacBook-Air:104 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:104 andy$ cd ../105

Andys-MacBook-Air:105 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:105 andy$ cd ../106

Andys-MacBook-Air:106 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:106 andy$ cd ../107

Andys-MacBook-Air:107 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:107 andy$ cd ../108

Andys-MacBook-Air:108 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:108 andy$ cd ../109

Andys-MacBook-Air:109 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:109 andy$ cd ../11

-bash: cd: ../11: No such file or directory

Andys-MacBook-Air:109 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:109 andy$ cd ../111

Andys-MacBook-Air:111 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:111 andy$ cd ../112

Andys-MacBook-Air:112 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:112 andy$ cd ../113

Andys-MacBook-Air:113 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:113 andy$ cd ../113

Andys-MacBook-Air:113 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:113 andy$ cd ../114

Andys-MacBook-Air:114 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:114 andy$ cd ../115

Andys-MacBook-Air:115 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:115 andy$ cd ../116

Andys-MacBook-Air:116 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:116 andy$ cd ../117

Andys-MacBook-Air:117 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:117 andy$ cd ../118

Andys-MacBook-Air:118 andy$ ../split3s

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:118 andy$ cd ../119

Andys-MacBook-Air:119 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:119 andy$ cd ../120

Andys-MacBook-Air:120 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:120 andy$ cd ../121

Andys-MacBook-Air:121 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:121 andy$ cd ../122

Andys-MacBook-Air:122 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

cAndys-MacBook-Air:122 andy$ cd ../123

Andys-MacBook-Air:123 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:123 andy$ cd ../124

Andys-MacBook-Air:124 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:124 andy$ cd ../125

Andys-MacBook-Air:125 andy$ ../split3s

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:125 andy$ cd ../126

Andys-MacBook-Air:126 andy$ ../split3s

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:126 andy$ cd ../127

Andys-MacBook-Air:127 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:127 andy$ cd ../128

Andys-MacBook-Air:128 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:128 andy$ cd ../129

Andys-MacBook-Air:129 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:129 andy$ cd ../130

Andys-MacBook-Air:130 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

Andys-MacBook-Air:130 andy$ cd ../131

Andys-MacBook-Air:131 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:131 andy$ cd ../132

Andys-MacBook-Air:132 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:132 andy$ cd ../133

Andys-MacBook-Air:133 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:133 andy$ cd ../134

Andys-MacBook-Air:134 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:134 andy$ cd ../135

Andys-MacBook-Air:135 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

Andys-MacBook-Air:135 andy$ cd ../136

Andys-MacBook-Air:136 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

Andys-MacBook-Air:136 andy$ cd ../137

Andys-MacBook-Air:137 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:137 andy$ cd ../138

Andys-MacBook-Air:138 andy$ ../split3s

../split3s: line 9: post1.txt: No such file or directory

../split3s: line 10: post1.txt: No such file or directory

../split3s: line 11: post1.txt: No such file or directory

../split3s: line 13: post2.txt: No such file or directory

../split3s: line 14: post2.txt: No such file or directory

../split3s: line 15: post2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:138 andy$ cd ../139

Andys-MacBook-Air:139 andy$ ../split3s

../split3s: line 1: pre1.txt: No such file or directory

../split3s: line 2: pre1.txt: No such file or directory

../split3s: line 3: pre1.txt: No such file or directory

../split3s: line 5: pre2.txt: No such file or directory

../split3s: line 6: pre2.txt: No such file or directory

../split3s: line 7: pre2.txt: No such file or directory

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

Andys-MacBook-Air:139 andy$ cd ../140

Andys-MacBook-Air:140 andy$ ../split3s

../split3s: line 17: post3.txt: No such file or directory

../split3s: line 18: post3.txt: No such file or directory

../split3s: line 19: post3.txt: No such file or directory

../split3s: line 21: post4.txt: No such file or directory

../split3s: line 22: post4.txt: No such file or directory

../split3s: line 23: post4.txt: No such file or directory

Andys-MacBook-Air:140 andy$ pwd

/AboveCare/Dev/Matlab/dataset/v2\_4k\_3s/140

Andys-MacBook-Air:140 andy$ cd ../

Andys-MacBook-Air:v2\_4k\_3s andy$ cd ../v1\_4k\_3s

Andys-MacBook-Air:v1\_4k\_3s andy$ ls

1 21 33 45 57 69 80

10 22 34 46 58 7 81

11 23 35 47 59 70 82

12 24 36 48 6 71 83

13 25 37 49 60 72 84

14 26 38 5 61 73 9

15 27 39 50 62 74 do\_split

16 28 4 51 63 75 split3s

17 29 40 52 64 76

18 3 41 53 65 77

19 30 42 54 66 78

2 31 43 55 67 79

20 32 44 56 68 8

Andys-MacBook-Air:v1\_4k\_3s andy$ cd 1

Andys-MacBook-Air:1 andy$ ls -l

total 11904

-rw-r--r--  1 andy  wheel   430814 Apr 22 15:06 post1.txt

-rw-r--r--@ 1 andy  wheel    50728 Apr  4 14:34 post1.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 post1\_1.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 post1\_1.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 post1\_2.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 post1\_2.wav

-rw-r--r--  1 andy  wheel    21114 Apr 22 15:22 post1\_3.txt

-rw-r--r--  1 andy  wheel     2528 Apr 22 17:57 post1\_3.wav

-rw-r--r--  1 andy  wheel  1052980 Apr 22 15:06 post2.txt

-rw-r--r--  1 andy  wheel   123924 Apr  4 14:34 post2.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 post2\_1.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 post2\_1.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 post2\_2.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 post2\_2.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 post2\_3.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 post2\_3.wav

-rw-r--r--  1 andy  wheel   824024 Apr 22 15:06 pre1.txt

-rw-r--r--  1 andy  wheel    96988 Apr  4 14:34 pre1.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 pre1\_1.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 pre1\_1.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 pre1\_2.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 pre1\_2.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 pre1\_3.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 pre1\_3.wav

-rw-r--r--  1 andy  wheel   841789 Apr 22 15:06 pre2.txt

-rw-r--r--  1 andy  wheel    99078 Apr  4 14:34 pre2.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 pre2\_1.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 pre2\_1.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 pre2\_2.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 pre2\_2.wav

-rw-r--r--  1 andy  wheel   204000 Apr 22 15:22 pre2\_3.txt

-rw-r--r--  1 andy  wheel    24044 Apr 22 17:57 pre2\_3.wav

Andys-MacBook-Air:1 andy$ cd ../ls

-bash: cd: ../ls: No such file or directory

Andys-MacBook-Air:1 andy$ cd ..

Andys-MacBook-Air:v1\_4k\_3s andy$ ls

1 21 33 45 57 69 80

10 22 34 46 58 7 81

11 23 35 47 59 70 82

12 24 36 48 6 71 83

13 25 37 49 60 72 84

14 26 38 5 61 73 9

15 27 39 50 62 74 do\_split

16 28 4 51 63 75 split3s

17 29 40 52 64 76

18 3 41 53 65 77

19 30 42 54 66 78

2 31 43 55 67 79

20 32 44 56 68 8

Andys-MacBook-Air:v1\_4k\_3s andy$ rm \*/\_\*.txt

rm: \*/\_\*.txt: No such file or directory

Andys-MacBook-Air:v1\_4k\_3s andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k\_3s

Andys-MacBook-Air:v1\_4k\_3s andy$ cd ..

Andys-MacBook-Air:dataset andy$ pwd

/AboveCare/Dev/Matlab/dataset

Andys-MacBook-Air:dataset andy$ cd v1\_4k

Andys-MacBook-Air:v1\_4k andy$ rm \*/\_[1-3].txt

rm: \*/\_[1-3].txt: No such file or directory

Andys-MacBook-Air:v1\_4k andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k

Andys-MacBook-Air:v1\_4k andy$ rm \*/\_\*.txt

rm: \*/\_\*.txt: No such file or directory

Andys-MacBook-Air:v1\_4k andy$ pwd

/AboveCare/Dev/Matlab/dataset/v1\_4k

Andys-MacBook-Air:v1\_4k andy$ cd 1

Andys-MacBook-Air:1 andy$ cd ..

Andys-MacBook-Air:v1\_4k andy$ rm \*/p\_\*.txt

rm: \*/p\_\*.txt: No such file or directory

Andys-MacBook-Air:v1\_4k andy$ rm \*/p\*\_\*.txt

Andys-MacBook-Air:v1\_4k andy$ cd ../v2\_4k

Andys-MacBook-Air:v2\_4k andy$ cd /Users/andy

Andys-MacBook-Air:~ andy$ cd dialysis

Andys-MacBook-Air:dialysis andy$ pwd

/Users/andy/dialysis

Andys-MacBook-Air:dialysis andy$ cd audio4video

Andys-MacBook-Air:audio4video andy$ source ~/.virtualenvs/myvenv/bin/activate

(myvenv) Andys-MacBook-Air:audio4video andy$ python3 processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

Traceback (most recent call last):

  File "processWav.py", line 81, in <module>

    wavelist, alllabels = Db.loadmetadata(layout='flat', exclude={'80'}, logging=kLogging) #kLogging

  File "/Users/andy/dialysis/audio4video/heartSound.py", line 303, in loadmetadata

    self.finalize(logging)

  File "/Users/andy/dialysis/audio4video/heartSound.py", line 359, in finalize

    crc = checksum.crc32sum(dir + f)

  File "/Users/andy/dialysis/audio4video/pyutils/checksum.py", line 14, in crc32sum

    with open(filename, "rb") as f:

FileNotFoundError: [Errno 2] No such file or directory: 'data/test\_data/training/100post1\_1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python3 processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

Traceback (most recent call last):

  File "processWav.py", line 81, in <module>

    wavelist, alllabels = Db.loadmetadata(layout='flat', exclude={'80'}, logging=kLogging) #kLogging

  File "/Users/andy/dialysis/audio4video/heartSound.py", line 303, in loadmetadata

    self.finalize(logging)

  File "/Users/andy/dialysis/audio4video/heartSound.py", line 359, in finalize

    crc = checksum.crc32sum(dir + f)

  File "/Users/andy/dialysis/audio4video/pyutils/checksum.py", line 14, in crc32sum

    with open(filename, "rb") as f:

FileNotFoundError: [Errno 2] No such file or directory: 'data/test\_data/training/100post1\_2.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python3 processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 11889, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 10.71sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.83sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 12, num\_patient 1

processFeatures: count=12, failed=0

processFeatures 0.15sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/93post1\_1.wav -> Abnormal

[1]: newtestdata/93post1\_2.wav -> Abnormal

[2]: newtestdata/93post1\_3.wav -> Normal

[3]: newtestdata/93post2\_1.wav -> Normal

[4]: newtestdata/93post2\_2.wav -> Normal

[5]: newtestdata/93post2\_3.wav -> Abnormal

[6]: newtestdata/93pre1\_1.wav -> Abnormal

[7]: newtestdata/93pre1\_2.wav -> Abnormal

[8]: newtestdata/93pre1\_3.wav -> Abnormal

[9]: newtestdata/93pre2\_1.wav -> Normal

[10]: newtestdata/93pre2\_2.wav -> Normal

[11]: newtestdata/93pre2\_3.wav -> Abnormal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17112, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 12.43sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.93sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 144, num\_patient 14

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=144, failed=0

processFeatures 1.59sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/80post1\_1.wav -> Normal

[1]: newtestdata/80post1\_2.wav -> Normal

[2]: newtestdata/80post1\_3.wav -> Normal

[3]: newtestdata/80post2\_1.wav -> Normal

[4]: newtestdata/80post2\_2.wav -> Normal

[5]: newtestdata/80post2\_3.wav -> Normal

[6]: newtestdata/80post3\_1.wav -> Normal

[7]: newtestdata/80post3\_2.wav -> Normal

[8]: newtestdata/80post3\_3.wav -> Normal

[9]: newtestdata/80post4\_1.wav -> Normal

[10]: newtestdata/80post4\_2.wav -> Normal

[11]: newtestdata/80post4\_3.wav -> Normal

[12]: newtestdata/82post1\_1.wav -> Normal

[13]: newtestdata/82post1\_2.wav -> Normal

[14]: newtestdata/82post1\_3.wav -> Normal

[15]: newtestdata/82post2\_1.wav -> Normal

[16]: newtestdata/82post2\_2.wav -> Normal

[17]: newtestdata/82post2\_3.wav -> Normal

[18]: newtestdata/82pre1\_1.wav -> Normal

[19]: newtestdata/82pre1\_2.wav -> Normal

[20]: newtestdata/82pre1\_3.wav -> Abnormal

[21]: newtestdata/82pre2\_1.wav -> Normal

[22]: newtestdata/82pre2\_2.wav -> Normal

[23]: newtestdata/82pre2\_3.wav -> Normal

[24]: newtestdata/83post1\_1.wav -> Normal

[25]: newtestdata/83post1\_2.wav -> Normal

[26]: newtestdata/83post1\_3.wav -> Normal

[27]: newtestdata/83post2\_1.wav -> Normal

[28]: newtestdata/83post2\_2.wav -> Abnormal

[29]: newtestdata/83post2\_3.wav -> Normal

[30]: newtestdata/83post3\_1.wav -> Abnormal

[31]: newtestdata/83post3\_2.wav -> Abnormal

[32]: newtestdata/83post3\_3.wav -> Abnormal

[33]: newtestdata/83post4\_1.wav -> Normal

[34]: newtestdata/83post4\_2.wav -> Normal

[35]: newtestdata/83post4\_3.wav -> Normal

[36]: newtestdata/85post1\_1.wav -> Normal

[37]: newtestdata/85post1\_2.wav -> Normal

[38]: newtestdata/85post1\_3.wav -> Normal

[39]: newtestdata/85post2\_1.wav -> Normal

[40]: newtestdata/85post2\_2.wav -> Normal

[41]: newtestdata/85post2\_3.wav -> Normal

[42]: newtestdata/85post3\_1.wav -> Normal

[43]: newtestdata/85post3\_2.wav -> Normal

[44]: newtestdata/85post3\_3.wav -> Normal

[45]: newtestdata/85post4\_1.wav -> Normal

[46]: newtestdata/85post4\_2.wav -> Abnormal

[47]: newtestdata/85post4\_3.wav -> Abnormal

[48]: newtestdata/86post1\_1.wav -> Normal

[49]: newtestdata/86post1\_2.wav -> Normal

[50]: newtestdata/86post1\_3.wav -> Normal

[51]: newtestdata/86post2\_1.wav -> Normal

[52]: newtestdata/86post2\_2.wav -> Normal

[53]: newtestdata/86post2\_3.wav -> Normal

[54]: newtestdata/86pre1\_1.wav -> Normal

[55]: newtestdata/86pre1\_2.wav -> Normal

[56]: newtestdata/86pre1\_3.wav -> Normal

[57]: newtestdata/86pre2\_1.wav -> Normal

[58]: newtestdata/86pre2\_2.wav -> Normal

[59]: newtestdata/86pre2\_3.wav -> Normal

[60]: newtestdata/87post1\_1.wav -> Normal

[61]: newtestdata/87post1\_2.wav -> Normal

[62]: newtestdata/87post1\_3.wav -> Normal

[63]: newtestdata/87post2\_1.wav -> Normal

[64]: newtestdata/87post2\_2.wav -> Normal

[65]: newtestdata/87post2\_3.wav -> Normal

[66]: newtestdata/88post1\_1.wav -> Normal

[67]: newtestdata/88post1\_2.wav -> Normal

[68]: newtestdata/88post1\_3.wav -> Normal

[69]: newtestdata/88post2\_1.wav -> Normal

[70]: newtestdata/88post2\_2.wav -> Normal

[71]: newtestdata/88post2\_3.wav -> Normal

[72]: newtestdata/89post1\_1.wav -> Normal

[73]: newtestdata/89post1\_2.wav -> Normal

[74]: newtestdata/89post1\_3.wav -> Normal

[75]: newtestdata/89post2\_1.wav -> Normal

[76]: newtestdata/89post2\_2.wav -> Normal

[77]: newtestdata/89post2\_3.wav -> Normal

[78]: newtestdata/89post3\_1.wav -> Normal

[79]: newtestdata/89post3\_2.wav -> Abnormal

[80]: newtestdata/89post3\_3.wav -> Normal

[81]: newtestdata/89post4\_1.wav -> Normal

[82]: newtestdata/89post4\_2.wav -> Normal

[83]: newtestdata/89post4\_3.wav -> Normal

[84]: newtestdata/90post1\_1.wav -> Normal

[85]: newtestdata/90post1\_2.wav -> Normal

[86]: newtestdata/90post1\_3.wav -> Normal

[87]: newtestdata/90post2\_1.wav -> Normal

[88]: newtestdata/90post2\_2.wav -> Normal

[89]: newtestdata/90post2\_3.wav -> Normal

[90]: newtestdata/91post1\_1.wav -> Normal

[91]: newtestdata/91post1\_2.wav -> Normal

[92]: newtestdata/91post1\_3.wav -> Normal

[93]: newtestdata/91post2\_1.wav -> Normal

[94]: newtestdata/91post2\_2.wav -> Normal

[95]: newtestdata/91post2\_3.wav -> Normal

[96]: newtestdata/91pre1\_1.wav -> Normal

[97]: newtestdata/91pre1\_2.wav -> Normal

[98]: newtestdata/91pre1\_3.wav -> Normal

[99]: newtestdata/91pre2\_1.wav -> Normal

[100]: newtestdata/91pre2\_2.wav -> Normal

[101]: newtestdata/91pre2\_3.wav -> Normal

[102]: newtestdata/92post1\_1.wav -> Normal

[103]: newtestdata/92post1\_2.wav -> Normal

[104]: newtestdata/92post1\_3.wav -> Normal

[105]: newtestdata/92post2\_1.wav -> Normal

[106]: newtestdata/92post2\_2.wav -> Normal

[107]: newtestdata/92post2\_3.wav -> Normal

[108]: newtestdata/93post1\_1.wav -> Normal

[109]: newtestdata/93post1\_2.wav -> Normal

[110]: newtestdata/93post1\_3.wav -> Normal

[111]: newtestdata/93post2\_1.wav -> Abnormal

[112]: newtestdata/93post2\_2.wav -> Abnormal

[113]: newtestdata/93post2\_3.wav -> Normal

[114]: newtestdata/93pre1\_1.wav -> Abnormal

[115]: newtestdata/93pre1\_2.wav -> Normal

[116]: newtestdata/93pre1\_3.wav -> Normal

[117]: newtestdata/93pre2\_1.wav -> Normal

[118]: newtestdata/93pre2\_2.wav -> Abnormal

[119]: newtestdata/93pre2\_3.wav -> Normal

[120]: newtestdata/94post1\_1.wav -> Abnormal

[121]: newtestdata/94post1\_2.wav -> Normal

[122]: newtestdata/94post1\_3.wav -> Abnormal

[123]: newtestdata/94post2\_1.wav -> Abnormal

[124]: newtestdata/94post2\_2.wav -> Normal

[125]: newtestdata/94post2\_3.wav -> Normal

[126]: newtestdata/94post3\_1.wav -> Abnormal

[127]: newtestdata/94post3\_2.wav -> Abnormal

[128]: newtestdata/94post3\_3.wav -> Normal

[129]: newtestdata/94post4\_1.wav -> Normal

[130]: newtestdata/94post4\_2.wav -> Abnormal

[131]: newtestdata/94post4\_3.wav -> Normal

[132]: newtestdata/95post1\_1.wav -> Normal

[133]: newtestdata/95post1\_2.wav -> Normal

[134]: newtestdata/95post1\_3.wav -> Normal

[135]: newtestdata/95post2\_1.wav -> Normal

[136]: newtestdata/95post2\_2.wav -> Normal

[137]: newtestdata/95post2\_3.wav -> Normal

[138]: newtestdata/95pre1\_1.wav -> Normal

[139]: newtestdata/95pre1\_2.wav -> Abnormal

[140]: newtestdata/95pre1\_3.wav -> Normal

[141]: newtestdata/95pre2\_1.wav -> Abnormal

[142]: newtestdata/95pre2\_2.wav -> Abnormal

[143]: newtestdata/95pre2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 0, num\_patient 0

processFeatures: count=0, failed=0

processFeatures 0.00sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Traceback (most recent call last):

  File "testModel.py", line 72, in <module>

    prediction = runClassifier(cls, cls\_name, test\_d, kPlot=False)

  File "testModel.py", line 16, in runClassifier

    predict = model.predict(test\_d)

  File "/Users/andy/.virtualenvs/myvenv/lib/python3.7/site-packages/sklearn/ensemble/gradient\_boosting.py", line 2037, in predict

    score = self.decision\_function(X)

  File "/Users/andy/.virtualenvs/myvenv/lib/python3.7/site-packages/sklearn/ensemble/gradient\_boosting.py", line 1991, in decision\_function

    X = check\_array(X, dtype=DTYPE, order="C",  accept\_sparse='csr')

  File "/Users/andy/.virtualenvs/myvenv/lib/python3.7/site-packages/sklearn/utils/validation.py", line 582, in check\_array

    context))

ValueError: Found array with 0 sample(s) (shape=(0, 15)) while a minimum of 1 is required.

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 105, num\_patient 14

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=105, failed=0

processFeatures 1.18sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/80post1\_1.wav -> Normal

[1]: newtestdata/80post1\_2.wav -> Normal

[2]: newtestdata/80post1\_3.wav -> Normal

[3]: newtestdata/80post2\_1.wav -> Normal

[4]: newtestdata/80post2\_2.wav -> Normal

[5]: newtestdata/80post2\_3.wav -> Normal

[6]: newtestdata/80post3\_1.wav -> Normal

[7]: newtestdata/80post3\_2.wav -> Normal

[8]: newtestdata/80post3\_3.wav -> Normal

[9]: newtestdata/80post4\_1.wav -> Normal

[10]: newtestdata/80post4\_2.wav -> Normal

[11]: newtestdata/80post4\_3.wav -> Normal

[12]: newtestdata/82post1\_1.wav -> Normal

[13]: newtestdata/82post1\_2.wav -> Normal

[14]: newtestdata/82post1\_3.wav -> Normal

[15]: newtestdata/82post2\_1.wav -> Normal

[16]: newtestdata/82post2\_2.wav -> Normal

[17]: newtestdata/82post2\_3.wav -> Normal

[18]: newtestdata/82pre1\_3.wav -> Abnormal

[19]: newtestdata/83post1\_1.wav -> Normal

[20]: newtestdata/83post1\_2.wav -> Normal

[21]: newtestdata/83post1\_3.wav -> Normal

[22]: newtestdata/83post2\_1.wav -> Normal

[23]: newtestdata/83post2\_3.wav -> Normal

[24]: newtestdata/83post4\_1.wav -> Normal

[25]: newtestdata/83post4\_2.wav -> Normal

[26]: newtestdata/83post4\_3.wav -> Normal

[27]: newtestdata/85post1\_1.wav -> Normal

[28]: newtestdata/85post1\_2.wav -> Normal

[29]: newtestdata/85post1\_3.wav -> Normal

[30]: newtestdata/85post2\_1.wav -> Normal

[31]: newtestdata/85post2\_2.wav -> Normal

[32]: newtestdata/85post2\_3.wav -> Normal

[33]: newtestdata/85post3\_1.wav -> Normal

[34]: newtestdata/85post3\_2.wav -> Normal

[35]: newtestdata/85post3\_3.wav -> Normal

[36]: newtestdata/85post4\_1.wav -> Normal

[37]: newtestdata/86post1\_1.wav -> Normal

[38]: newtestdata/86post1\_2.wav -> Normal

[39]: newtestdata/86post1\_3.wav -> Normal

[40]: newtestdata/86post2\_1.wav -> Normal

[41]: newtestdata/86post2\_2.wav -> Normal

[42]: newtestdata/86post2\_3.wav -> Normal

[43]: newtestdata/87post1\_1.wav -> Normal

[44]: newtestdata/87post1\_2.wav -> Normal

[45]: newtestdata/87post1\_3.wav -> Normal

[46]: newtestdata/87post2\_1.wav -> Normal

[47]: newtestdata/87post2\_2.wav -> Normal

[48]: newtestdata/87post2\_3.wav -> Normal

[49]: newtestdata/88post1\_1.wav -> Normal

[50]: newtestdata/88post1\_2.wav -> Normal

[51]: newtestdata/88post1\_3.wav -> Normal

[52]: newtestdata/88post2\_1.wav -> Normal

[53]: newtestdata/88post2\_2.wav -> Normal

[54]: newtestdata/88post2\_3.wav -> Normal

[55]: newtestdata/89post1\_1.wav -> Normal

[56]: newtestdata/89post1\_2.wav -> Normal

[57]: newtestdata/89post1\_3.wav -> Normal

[58]: newtestdata/89post2\_1.wav -> Normal

[59]: newtestdata/89post2\_2.wav -> Normal

[60]: newtestdata/89post2\_3.wav -> Normal

[61]: newtestdata/89post3\_1.wav -> Normal

[62]: newtestdata/89post3\_3.wav -> Normal

[63]: newtestdata/89post4\_1.wav -> Normal

[64]: newtestdata/89post4\_2.wav -> Normal

[65]: newtestdata/89post4\_3.wav -> Normal

[66]: newtestdata/90post1\_1.wav -> Normal

[67]: newtestdata/90post1\_2.wav -> Normal

[68]: newtestdata/90post1\_3.wav -> Normal

[69]: newtestdata/90post2\_1.wav -> Normal

[70]: newtestdata/90post2\_2.wav -> Normal

[71]: newtestdata/90post2\_3.wav -> Normal

[72]: newtestdata/91post1\_1.wav -> Normal

[73]: newtestdata/91post1\_2.wav -> Normal

[74]: newtestdata/91post1\_3.wav -> Normal

[75]: newtestdata/91post2\_1.wav -> Normal

[76]: newtestdata/91post2\_2.wav -> Normal

[77]: newtestdata/91post2\_3.wav -> Normal

[78]: newtestdata/92post1\_1.wav -> Normal

[79]: newtestdata/92post1\_2.wav -> Normal

[80]: newtestdata/92post1\_3.wav -> Normal

[81]: newtestdata/92post2\_1.wav -> Normal

[82]: newtestdata/92post2\_2.wav -> Normal

[83]: newtestdata/92post2\_3.wav -> Normal

[84]: newtestdata/93post1\_1.wav -> Normal

[85]: newtestdata/93post1\_2.wav -> Normal

[86]: newtestdata/93post1\_3.wav -> Normal

[87]: newtestdata/93post2\_3.wav -> Normal

[88]: newtestdata/93pre1\_1.wav -> Abnormal

[89]: newtestdata/93pre2\_2.wav -> Abnormal

[90]: newtestdata/94post1\_2.wav -> Normal

[91]: newtestdata/94post2\_2.wav -> Normal

[92]: newtestdata/94post2\_3.wav -> Normal

[93]: newtestdata/94post3\_3.wav -> Normal

[94]: newtestdata/94post4\_1.wav -> Normal

[95]: newtestdata/94post4\_3.wav -> Normal

[96]: newtestdata/95post1\_1.wav -> Normal

[97]: newtestdata/95post1\_2.wav -> Normal

[98]: newtestdata/95post1\_3.wav -> Normal

[99]: newtestdata/95post2\_1.wav -> Normal

[100]: newtestdata/95post2\_2.wav -> Normal

[101]: newtestdata/95post2\_3.wav -> Normal

[102]: newtestdata/95pre1\_2.wav -> Abnormal

[103]: newtestdata/95pre2\_1.wav -> Abnormal

[104]: newtestdata/95pre2\_2.wav -> Abnormal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 16083, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.13sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.75sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 343, num\_patient 36

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (4096), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (512), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (4096), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=343, failed=0

processFeatures 3.91sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/100post1\_2.wav -> Abnormal

[1]: newtestdata/100post1\_3.wav -> Normal

[2]: newtestdata/100post2\_1.wav -> Normal

[3]: newtestdata/100post2\_2.wav -> Normal

[4]: newtestdata/100post2\_3.wav -> Normal

[5]: newtestdata/100pre1\_1.wav -> Abnormal

[6]: newtestdata/100pre1\_2.wav -> Normal

[7]: newtestdata/100pre1\_3.wav -> Normal

[8]: newtestdata/100pre2\_1.wav -> Abnormal

[9]: newtestdata/100pre2\_2.wav -> Normal

[10]: newtestdata/100pre2\_3.wav -> Normal

[11]: newtestdata/101post1\_1.wav -> Normal

[12]: newtestdata/101post1\_2.wav -> Normal

[13]: newtestdata/101post1\_3.wav -> Normal

[14]: newtestdata/101post2\_1.wav -> Normal

[15]: newtestdata/101post2\_2.wav -> Normal

[16]: newtestdata/101post2\_3.wav -> Normal

[17]: newtestdata/101pre1\_1.wav -> Abnormal

[18]: newtestdata/101pre1\_2.wav -> Normal

[19]: newtestdata/101pre1\_3.wav -> Abnormal

[20]: newtestdata/101pre2\_1.wav -> Abnormal

[21]: newtestdata/101pre2\_2.wav -> Abnormal

[22]: newtestdata/101pre2\_3.wav -> Abnormal

[23]: newtestdata/102post1\_1.wav -> Normal

[24]: newtestdata/102post1\_2.wav -> Normal

[25]: newtestdata/102post1\_3.wav -> Normal

[26]: newtestdata/102post2\_1.wav -> Normal

[27]: newtestdata/102post2\_2.wav -> Normal

[28]: newtestdata/102post2\_3.wav -> Normal

[29]: newtestdata/103post1\_1.wav -> Normal

[30]: newtestdata/103post1\_2.wav -> Abnormal

[31]: newtestdata/103post1\_3.wav -> Normal

[32]: newtestdata/103post2\_1.wav -> Normal

[33]: newtestdata/103post2\_2.wav -> Normal

[34]: newtestdata/103post2\_3.wav -> Normal

[35]: newtestdata/103post3\_1.wav -> Normal

[36]: newtestdata/103post3\_2.wav -> Normal

[37]: newtestdata/103post3\_3.wav -> Abnormal

[38]: newtestdata/103post4\_1.wav -> Normal

[39]: newtestdata/103post4\_2.wav -> Normal

[40]: newtestdata/103post4\_3.wav -> Abnormal

[41]: newtestdata/104post1\_1.wav -> Normal

[42]: newtestdata/104post1\_2.wav -> Abnormal

[43]: newtestdata/104post1\_3.wav -> Normal

[44]: newtestdata/104post2\_1.wav -> Normal

[45]: newtestdata/104post2\_2.wav -> Normal

[46]: newtestdata/104post2\_3.wav -> Normal

[47]: newtestdata/104pre1\_1.wav -> Abnormal

[48]: newtestdata/104pre1\_2.wav -> Abnormal

[49]: newtestdata/104pre1\_3.wav -> Abnormal

[50]: newtestdata/104pre2\_1.wav -> Abnormal

[51]: newtestdata/104pre2\_2.wav -> Abnormal

[52]: newtestdata/104pre2\_3.wav -> Normal

[53]: newtestdata/105post1\_1.wav -> Normal

[54]: newtestdata/105post1\_2.wav -> Normal

[55]: newtestdata/105post1\_3.wav -> Normal

[56]: newtestdata/105post2\_1.wav -> Normal

[57]: newtestdata/105post2\_2.wav -> Normal

[58]: newtestdata/105post2\_3.wav -> Abnormal

[59]: newtestdata/105pre1\_1.wav -> Abnormal

[60]: newtestdata/105pre1\_2.wav -> Abnormal

[61]: newtestdata/105pre1\_3.wav -> Normal

[62]: newtestdata/105pre2\_1.wav -> Abnormal

[63]: newtestdata/105pre2\_2.wav -> Abnormal

[64]: newtestdata/105pre2\_3.wav -> Abnormal

[65]: newtestdata/106post1\_1.wav -> Normal

[66]: newtestdata/106post1\_2.wav -> Normal

[67]: newtestdata/106post1\_3.wav -> Normal

[68]: newtestdata/106post2\_1.wav -> Normal

[69]: newtestdata/106post2\_2.wav -> Normal

[70]: newtestdata/106post2\_3.wav -> Normal

[71]: newtestdata/106pre1\_1.wav -> Abnormal

[72]: newtestdata/106pre1\_2.wav -> Abnormal

[73]: newtestdata/106pre1\_3.wav -> Abnormal

[74]: newtestdata/106pre2\_1.wav -> Normal

[75]: newtestdata/106pre2\_2.wav -> Normal

[76]: newtestdata/106pre2\_3.wav -> Abnormal

[77]: newtestdata/107post1\_1.wav -> Normal

[78]: newtestdata/107post1\_2.wav -> Normal

[79]: newtestdata/107post1\_3.wav -> Normal

[80]: newtestdata/107post2\_1.wav -> Normal

[81]: newtestdata/107post2\_2.wav -> Normal

[82]: newtestdata/107post2\_3.wav -> Normal

[83]: newtestdata/107post3\_1.wav -> Normal

[84]: newtestdata/107post3\_2.wav -> Normal

[85]: newtestdata/107post3\_3.wav -> Normal

[86]: newtestdata/107post4\_1.wav -> Normal

[87]: newtestdata/107post4\_2.wav -> Normal

[88]: newtestdata/107post4\_3.wav -> Abnormal

[89]: newtestdata/108post1\_1.wav -> Normal

[90]: newtestdata/108post1\_2.wav -> Normal

[91]: newtestdata/108post1\_3.wav -> Normal

[92]: newtestdata/108post2\_1.wav -> Normal

[93]: newtestdata/108post2\_2.wav -> Normal

[94]: newtestdata/108post2\_3.wav -> Normal

[95]: newtestdata/109post1\_1.wav -> Normal

[96]: newtestdata/109post1\_2.wav -> Normal

[97]: newtestdata/109post1\_3.wav -> Normal

[98]: newtestdata/109post2\_1.wav -> Normal

[99]: newtestdata/109post2\_2.wav -> Normal

[100]: newtestdata/109post2\_3.wav -> Normal

[101]: newtestdata/110post1\_1.wav -> Normal

[102]: newtestdata/110post1\_2.wav -> Normal

[103]: newtestdata/110post1\_3.wav -> Normal

[104]: newtestdata/110post2\_1.wav -> Normal

[105]: newtestdata/110post2\_2.wav -> Abnormal

[106]: newtestdata/110post2\_3.wav -> Normal

[107]: newtestdata/111post1\_1.wav -> Normal

[108]: newtestdata/111post1\_2.wav -> Normal

[109]: newtestdata/111post1\_3.wav -> Normal

[110]: newtestdata/111post2\_1.wav -> Normal

[111]: newtestdata/111post2\_2.wav -> Normal

[112]: newtestdata/111post2\_3.wav -> Normal

[113]: newtestdata/112post1\_1.wav -> Normal

[114]: newtestdata/112post1\_2.wav -> Normal

[115]: newtestdata/112post1\_3.wav -> Normal

[116]: newtestdata/112post2\_1.wav -> Normal

[117]: newtestdata/112post2\_2.wav -> Normal

[118]: newtestdata/112post2\_3.wav -> Normal

[119]: newtestdata/113post1\_1.wav -> Normal

[120]: newtestdata/113post1\_2.wav -> Normal

[121]: newtestdata/113post1\_3.wav -> Normal

[122]: newtestdata/113post2\_1.wav -> Normal

[123]: newtestdata/113post2\_2.wav -> Normal

[124]: newtestdata/113post2\_3.wav -> Normal

[125]: newtestdata/114post1\_1.wav -> Normal

[126]: newtestdata/114post1\_2.wav -> Normal

[127]: newtestdata/114post1\_3.wav -> Normal

[128]: newtestdata/114post2\_1.wav -> Normal

[129]: newtestdata/114post2\_2.wav -> Abnormal

[130]: newtestdata/114post2\_3.wav -> Abnormal

[131]: newtestdata/114pre1\_1.wav -> Abnormal

[132]: newtestdata/114pre1\_2.wav -> Abnormal

[133]: newtestdata/114pre1\_3.wav -> Abnormal

[134]: newtestdata/114pre2\_1.wav -> Abnormal

[135]: newtestdata/114pre2\_2.wav -> Abnormal

[136]: newtestdata/114pre2\_3.wav -> Abnormal

[137]: newtestdata/115post1\_1.wav -> Normal

[138]: newtestdata/115post1\_2.wav -> Normal

[139]: newtestdata/115post1\_3.wav -> Normal

[140]: newtestdata/115post2\_1.wav -> Normal

[141]: newtestdata/115post2\_2.wav -> Normal

[142]: newtestdata/115post2\_3.wav -> Normal

[143]: newtestdata/115post3\_1.wav -> Normal

[144]: newtestdata/115post3\_2.wav -> Abnormal

[145]: newtestdata/115post3\_3.wav -> Normal

[146]: newtestdata/115post4\_1.wav -> Normal

[147]: newtestdata/115post4\_2.wav -> Normal

[148]: newtestdata/115post4\_3.wav -> Normal

[149]: newtestdata/116post1\_1.wav -> Normal

[150]: newtestdata/116post1\_2.wav -> Normal

[151]: newtestdata/116post1\_3.wav -> Normal

[152]: newtestdata/116post2\_1.wav -> Normal

[153]: newtestdata/116post2\_2.wav -> Normal

[154]: newtestdata/116post2\_3.wav -> Normal

[155]: newtestdata/116post3\_1.wav -> Normal

[156]: newtestdata/116post3\_2.wav -> Normal

[157]: newtestdata/116post3\_3.wav -> Normal

[158]: newtestdata/116post4\_1.wav -> Normal

[159]: newtestdata/116post4\_2.wav -> Normal

[160]: newtestdata/117post1\_1.wav -> Normal

[161]: newtestdata/117post1\_2.wav -> Normal

[162]: newtestdata/117post1\_3.wav -> Normal

[163]: newtestdata/117post2\_1.wav -> Normal

[164]: newtestdata/117post2\_2.wav -> Abnormal

[165]: newtestdata/117post2\_3.wav -> Abnormal

[166]: newtestdata/117post3\_1.wav -> Normal

[167]: newtestdata/117post3\_2.wav -> Normal

[168]: newtestdata/117post3\_3.wav -> Normal

[169]: newtestdata/117post4\_1.wav -> Normal

[170]: newtestdata/117post4\_2.wav -> Abnormal

[171]: newtestdata/117post4\_3.wav -> Abnormal

[172]: newtestdata/118pre1\_1.wav -> Abnormal

[173]: newtestdata/118pre1\_2.wav -> Abnormal

[174]: newtestdata/118pre1\_3.wav -> Abnormal

[175]: newtestdata/118pre2\_1.wav -> Abnormal

[176]: newtestdata/118pre2\_2.wav -> Abnormal

[177]: newtestdata/118pre2\_3.wav -> Abnormal

[178]: newtestdata/119pre1\_1.wav -> Normal

[179]: newtestdata/119pre1\_2.wav -> Normal

[180]: newtestdata/119pre1\_3.wav -> Normal

[181]: newtestdata/119pre2\_1.wav -> Abnormal

[182]: newtestdata/119pre2\_2.wav -> Normal

[183]: newtestdata/119pre2\_3.wav -> Normal

[184]: newtestdata/120post1\_1.wav -> Normal

[185]: newtestdata/120post1\_2.wav -> Normal

[186]: newtestdata/120post1\_3.wav -> Normal

[187]: newtestdata/120post2\_1.wav -> Normal

[188]: newtestdata/120post2\_2.wav -> Normal

[189]: newtestdata/120post2\_3.wav -> Normal

[190]: newtestdata/121post1\_1.wav -> Normal

[191]: newtestdata/121post1\_2.wav -> Normal

[192]: newtestdata/121post1\_3.wav -> Normal

[193]: newtestdata/121post2\_1.wav -> Abnormal

[194]: newtestdata/121post2\_2.wav -> Normal

[195]: newtestdata/121post2\_3.wav -> Normal

[196]: newtestdata/121pre1\_1.wav -> Normal

[197]: newtestdata/121pre1\_2.wav -> Normal

[198]: newtestdata/121pre1\_3.wav -> Abnormal

[199]: newtestdata/121pre2\_1.wav -> Normal

[200]: newtestdata/121pre2\_2.wav -> Normal

[201]: newtestdata/121pre2\_3.wav -> Normal

[202]: newtestdata/122post1\_1.wav -> Normal

[203]: newtestdata/122post1\_2.wav -> Normal

[204]: newtestdata/122post1\_3.wav -> Abnormal

[205]: newtestdata/122post2\_1.wav -> Abnormal

[206]: newtestdata/122post2\_2.wav -> Abnormal

[207]: newtestdata/122post2\_3.wav -> Abnormal

[208]: newtestdata/122post3\_1.wav -> Abnormal

[209]: newtestdata/122post3\_2.wav -> Normal

[210]: newtestdata/122post3\_3.wav -> Normal

[211]: newtestdata/122post4\_1.wav -> Abnormal

[212]: newtestdata/122post4\_2.wav -> Normal

[213]: newtestdata/122post4\_3.wav -> Abnormal

[214]: newtestdata/123post1\_1.wav -> Abnormal

[215]: newtestdata/123post1\_2.wav -> Normal

[216]: newtestdata/123post1\_3.wav -> Abnormal

[217]: newtestdata/123post2\_1.wav -> Abnormal

[218]: newtestdata/123post2\_2.wav -> Normal

[219]: newtestdata/123post2\_3.wav -> Normal

[220]: newtestdata/123pre1\_1.wav -> Normal

[221]: newtestdata/123pre1\_2.wav -> Normal

[222]: newtestdata/123pre1\_3.wav -> Normal

[223]: newtestdata/123pre2\_1.wav -> Normal

[224]: newtestdata/123pre2\_2.wav -> Normal

[225]: newtestdata/123pre2\_3.wav -> Abnormal

[226]: newtestdata/124post1\_1.wav -> Normal

[227]: newtestdata/124post1\_2.wav -> Normal

[228]: newtestdata/124post1\_3.wav -> Normal

[229]: newtestdata/124post2\_1.wav -> Normal

[230]: newtestdata/124post2\_2.wav -> Normal

[231]: newtestdata/124post2\_3.wav -> Abnormal

[232]: newtestdata/124post3\_1.wav -> Normal

[233]: newtestdata/124post3\_2.wav -> Normal

[234]: newtestdata/124post3\_3.wav -> Normal

[235]: newtestdata/124post4\_1.wav -> Normal

[236]: newtestdata/124post4\_2.wav -> Normal

[237]: newtestdata/124post4\_3.wav -> Normal

[238]: newtestdata/125pre1\_1.wav -> Normal

[239]: newtestdata/125pre1\_2.wav -> Abnormal

[240]: newtestdata/125pre1\_3.wav -> Normal

[241]: newtestdata/125pre2\_1.wav -> Normal

[242]: newtestdata/125pre2\_2.wav -> Normal

[243]: newtestdata/125pre2\_3.wav -> Normal

[244]: newtestdata/129post1\_1.wav -> Normal

[245]: newtestdata/129post1\_2.wav -> Normal

[246]: newtestdata/129post1\_3.wav -> Normal

[247]: newtestdata/129post2\_1.wav -> Normal

[248]: newtestdata/129post2\_2.wav -> Normal

[249]: newtestdata/129post2\_3.wav -> Normal

[250]: newtestdata/129post3\_1.wav -> Normal

[251]: newtestdata/129post3\_2.wav -> Normal

[252]: newtestdata/129post3\_3.wav -> Normal

[253]: newtestdata/129post4\_1.wav -> Normal

[254]: newtestdata/129post4\_2.wav -> Normal

[255]: newtestdata/129post4\_3.wav -> Normal

[256]: newtestdata/130post3\_1.wav -> Normal

[257]: newtestdata/130post3\_2.wav -> Normal

[258]: newtestdata/130post3\_3.wav -> Normal

[259]: newtestdata/130post4\_1.wav -> Abnormal

[260]: newtestdata/130post4\_2.wav -> Abnormal

[261]: newtestdata/130post4\_3.wav -> Abnormal

[262]: newtestdata/131post1\_1.wav -> Normal

[263]: newtestdata/131post1\_2.wav -> Normal

[264]: newtestdata/131post1\_3.wav -> Normal

[265]: newtestdata/131post2\_1.wav -> Normal

[266]: newtestdata/131post2\_2.wav -> Normal

[267]: newtestdata/131post2\_3.wav -> Normal

[268]: newtestdata/131pre1\_1.wav -> Normal

[269]: newtestdata/131pre1\_2.wav -> Normal

[270]: newtestdata/131pre1\_3.wav -> Normal

[271]: newtestdata/131pre2\_1.wav -> Normal

[272]: newtestdata/131pre2\_2.wav -> Normal

[273]: newtestdata/131pre2\_3.wav -> Normal

[274]: newtestdata/132post1\_1.wav -> Normal

[275]: newtestdata/132post1\_2.wav -> Abnormal

[276]: newtestdata/132post1\_3.wav -> Abnormal

[277]: newtestdata/132post2\_1.wav -> Abnormal

[278]: newtestdata/132post2\_2.wav -> Abnormal

[279]: newtestdata/132post2\_3.wav -> Abnormal

[280]: newtestdata/132pre1\_1.wav -> Abnormal

[281]: newtestdata/132pre1\_2.wav -> Normal

[282]: newtestdata/132pre1\_3.wav -> Normal

[283]: newtestdata/132pre2\_1.wav -> Abnormal

[284]: newtestdata/132pre2\_2.wav -> Abnormal

[285]: newtestdata/132pre2\_3.wav -> Abnormal

[286]: newtestdata/133post1\_1.wav -> Normal

[287]: newtestdata/133post1\_2.wav -> Normal

[288]: newtestdata/133post1\_3.wav -> Normal

[289]: newtestdata/133post2\_1.wav -> Abnormal

[290]: newtestdata/133post2\_2.wav -> Normal

[291]: newtestdata/133post2\_3.wav -> Abnormal

[292]: newtestdata/133pre1\_1.wav -> Normal

[293]: newtestdata/133pre1\_2.wav -> Normal

[294]: newtestdata/133pre1\_3.wav -> Abnormal

[295]: newtestdata/133pre2\_1.wav -> Normal

[296]: newtestdata/133pre2\_2.wav -> Abnormal

[297]: newtestdata/133pre2\_3.wav -> Abnormal

[298]: newtestdata/134post1\_1.wav -> Abnormal

[299]: newtestdata/134post1\_2.wav -> Normal

[300]: newtestdata/134post1\_3.wav -> Normal

[301]: newtestdata/134post2\_1.wav -> Abnormal

[302]: newtestdata/134post2\_2.wav -> Abnormal

[303]: newtestdata/134post2\_3.wav -> Abnormal

[304]: newtestdata/134pre1\_1.wav -> Abnormal

[305]: newtestdata/134pre1\_2.wav -> Abnormal

[306]: newtestdata/134pre1\_3.wav -> Abnormal

[307]: newtestdata/134pre2\_1.wav -> Normal

[308]: newtestdata/134pre2\_2.wav -> Abnormal

[309]: newtestdata/134pre2\_3.wav -> Normal

[310]: newtestdata/95pre2\_1.wav -> Abnormal

[311]: newtestdata/95pre2\_2.wav -> Abnormal

[312]: newtestdata/95pre2\_3.wav -> Normal

[313]: newtestdata/96post1\_1.wav -> Normal

[314]: newtestdata/96post1\_2.wav -> Normal

[315]: newtestdata/96post1\_3.wav -> Normal

[316]: newtestdata/96post2\_1.wav -> Normal

[317]: newtestdata/96post2\_2.wav -> Normal

[318]: newtestdata/96post2\_3.wav -> Normal

[319]: newtestdata/96pre1\_1.wav -> Normal

[320]: newtestdata/96pre1\_2.wav -> Normal

[321]: newtestdata/96pre1\_3.wav -> Normal

[322]: newtestdata/96pre2\_1.wav -> Abnormal

[323]: newtestdata/96pre2\_2.wav -> Normal

[324]: newtestdata/96pre2\_3.wav -> Abnormal

[325]: newtestdata/97post1\_1.wav -> Normal

[326]: newtestdata/97post1\_2.wav -> Normal

[327]: newtestdata/97post1\_3.wav -> Normal

[328]: newtestdata/97post2\_1.wav -> Normal

[329]: newtestdata/97post2\_2.wav -> Abnormal

[330]: newtestdata/97post2\_3.wav -> Abnormal

[331]: newtestdata/97pre1\_1.wav -> Normal

[332]: newtestdata/97pre1\_2.wav -> Normal

[333]: newtestdata/97pre1\_3.wav -> Abnormal

[334]: newtestdata/97pre2\_1.wav -> Abnormal

[335]: newtestdata/97pre2\_2.wav -> Abnormal

[336]: newtestdata/97pre2\_3.wav -> Abnormal

[337]: newtestdata/98post1\_1.wav -> Normal

[338]: newtestdata/98post1\_2.wav -> Abnormal

[339]: newtestdata/98post1\_3.wav -> Abnormal

[340]: newtestdata/98post2\_1.wav -> Normal

[341]: newtestdata/98post2\_2.wav -> Normal

[342]: newtestdata/98post2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 16980, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.19sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.79sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 16980, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.13sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.76sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 182, num\_patient 18

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=182, failed=0

processFeatures 2.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/100post1\_2.wav -> Abnormal

[1]: newtestdata/100post1\_3.wav -> Normal

[2]: newtestdata/100post2\_1.wav -> Normal

[3]: newtestdata/100post2\_2.wav -> Normal

[4]: newtestdata/100post2\_3.wav -> Normal

[5]: newtestdata/100pre1\_1.wav -> Abnormal

[6]: newtestdata/100pre1\_2.wav -> Normal

[7]: newtestdata/100pre1\_3.wav -> Normal

[8]: newtestdata/100pre2\_1.wav -> Abnormal

[9]: newtestdata/100pre2\_2.wav -> Normal

[10]: newtestdata/100pre2\_3.wav -> Normal

[11]: newtestdata/80post1\_1.wav -> Normal

[12]: newtestdata/80post1\_2.wav -> Normal

[13]: newtestdata/80post1\_3.wav -> Normal

[14]: newtestdata/80post2\_1.wav -> Normal

[15]: newtestdata/80post2\_2.wav -> Normal

[16]: newtestdata/80post2\_3.wav -> Normal

[17]: newtestdata/80post3\_1.wav -> Normal

[18]: newtestdata/80post3\_2.wav -> Normal

[19]: newtestdata/80post3\_3.wav -> Normal

[20]: newtestdata/80post4\_1.wav -> Normal

[21]: newtestdata/80post4\_2.wav -> Normal

[22]: newtestdata/80post4\_3.wav -> Normal

[23]: newtestdata/82post1\_1.wav -> Normal

[24]: newtestdata/82post1\_2.wav -> Normal

[25]: newtestdata/82post1\_3.wav -> Normal

[26]: newtestdata/82post2\_1.wav -> Normal

[27]: newtestdata/82post2\_2.wav -> Normal

[28]: newtestdata/82post2\_3.wav -> Normal

[29]: newtestdata/82pre1\_1.wav -> Normal

[30]: newtestdata/82pre1\_2.wav -> Normal

[31]: newtestdata/82pre1\_3.wav -> Abnormal

[32]: newtestdata/82pre2\_1.wav -> Normal

[33]: newtestdata/82pre2\_2.wav -> Normal

[34]: newtestdata/82pre2\_3.wav -> Normal

[35]: newtestdata/83post1\_1.wav -> Normal

[36]: newtestdata/83post1\_2.wav -> Normal

[37]: newtestdata/83post1\_3.wav -> Normal

[38]: newtestdata/83post2\_1.wav -> Normal

[39]: newtestdata/83post2\_2.wav -> Abnormal

[40]: newtestdata/83post2\_3.wav -> Normal

[41]: newtestdata/83post3\_1.wav -> Abnormal

[42]: newtestdata/83post3\_2.wav -> Abnormal

[43]: newtestdata/83post3\_3.wav -> Abnormal

[44]: newtestdata/83post4\_1.wav -> Normal

[45]: newtestdata/83post4\_2.wav -> Normal

[46]: newtestdata/83post4\_3.wav -> Normal

[47]: newtestdata/85post1\_1.wav -> Normal

[48]: newtestdata/85post1\_2.wav -> Normal

[49]: newtestdata/85post1\_3.wav -> Normal

[50]: newtestdata/85post2\_1.wav -> Normal

[51]: newtestdata/85post2\_2.wav -> Normal

[52]: newtestdata/85post2\_3.wav -> Normal

[53]: newtestdata/85post3\_1.wav -> Normal

[54]: newtestdata/85post3\_2.wav -> Normal

[55]: newtestdata/85post3\_3.wav -> Normal

[56]: newtestdata/85post4\_1.wav -> Normal

[57]: newtestdata/85post4\_2.wav -> Abnormal

[58]: newtestdata/85post4\_3.wav -> Abnormal

[59]: newtestdata/86post1\_1.wav -> Normal

[60]: newtestdata/86post1\_2.wav -> Normal

[61]: newtestdata/86post1\_3.wav -> Normal

[62]: newtestdata/86post2\_1.wav -> Normal

[63]: newtestdata/86post2\_2.wav -> Normal

[64]: newtestdata/86post2\_3.wav -> Normal

[65]: newtestdata/86pre1\_1.wav -> Normal

[66]: newtestdata/86pre1\_2.wav -> Normal

[67]: newtestdata/86pre1\_3.wav -> Normal

[68]: newtestdata/86pre2\_1.wav -> Normal

[69]: newtestdata/86pre2\_2.wav -> Normal

[70]: newtestdata/86pre2\_3.wav -> Normal

[71]: newtestdata/87post1\_1.wav -> Normal

[72]: newtestdata/87post1\_2.wav -> Normal

[73]: newtestdata/87post1\_3.wav -> Normal

[74]: newtestdata/87post2\_1.wav -> Normal

[75]: newtestdata/87post2\_2.wav -> Normal

[76]: newtestdata/87post2\_3.wav -> Normal

[77]: newtestdata/88post1\_1.wav -> Normal

[78]: newtestdata/88post1\_2.wav -> Normal

[79]: newtestdata/88post1\_3.wav -> Normal

[80]: newtestdata/88post2\_1.wav -> Normal

[81]: newtestdata/88post2\_2.wav -> Normal

[82]: newtestdata/88post2\_3.wav -> Normal

[83]: newtestdata/89post1\_1.wav -> Normal

[84]: newtestdata/89post1\_2.wav -> Normal

[85]: newtestdata/89post1\_3.wav -> Normal

[86]: newtestdata/89post2\_1.wav -> Normal

[87]: newtestdata/89post2\_2.wav -> Normal

[88]: newtestdata/89post2\_3.wav -> Normal

[89]: newtestdata/89post3\_1.wav -> Normal

[90]: newtestdata/89post3\_2.wav -> Abnormal

[91]: newtestdata/89post3\_3.wav -> Normal

[92]: newtestdata/89post4\_1.wav -> Normal

[93]: newtestdata/89post4\_2.wav -> Normal

[94]: newtestdata/89post4\_3.wav -> Normal

[95]: newtestdata/90post1\_1.wav -> Normal

[96]: newtestdata/90post1\_2.wav -> Normal

[97]: newtestdata/90post1\_3.wav -> Normal

[98]: newtestdata/90post2\_1.wav -> Normal

[99]: newtestdata/90post2\_2.wav -> Normal

[100]: newtestdata/90post2\_3.wav -> Normal

[101]: newtestdata/91post1\_1.wav -> Normal

[102]: newtestdata/91post1\_2.wav -> Normal

[103]: newtestdata/91post1\_3.wav -> Normal

[104]: newtestdata/91post2\_1.wav -> Normal

[105]: newtestdata/91post2\_2.wav -> Normal

[106]: newtestdata/91post2\_3.wav -> Normal

[107]: newtestdata/91pre1\_1.wav -> Normal

[108]: newtestdata/91pre1\_2.wav -> Normal

[109]: newtestdata/91pre1\_3.wav -> Normal

[110]: newtestdata/91pre2\_1.wav -> Normal

[111]: newtestdata/91pre2\_2.wav -> Normal

[112]: newtestdata/91pre2\_3.wav -> Normal

[113]: newtestdata/92post1\_1.wav -> Normal

[114]: newtestdata/92post1\_2.wav -> Normal

[115]: newtestdata/92post1\_3.wav -> Normal

[116]: newtestdata/92post2\_1.wav -> Normal

[117]: newtestdata/92post2\_2.wav -> Normal

[118]: newtestdata/92post2\_3.wav -> Normal

[119]: newtestdata/93post1\_1.wav -> Normal

[120]: newtestdata/93post1\_2.wav -> Normal

[121]: newtestdata/93post1\_3.wav -> Normal

[122]: newtestdata/93post2\_1.wav -> Abnormal

[123]: newtestdata/93post2\_2.wav -> Abnormal

[124]: newtestdata/93post2\_3.wav -> Normal

[125]: newtestdata/93pre1\_1.wav -> Abnormal

[126]: newtestdata/93pre1\_2.wav -> Normal

[127]: newtestdata/93pre1\_3.wav -> Normal

[128]: newtestdata/93pre2\_1.wav -> Normal

[129]: newtestdata/93pre2\_2.wav -> Abnormal

[130]: newtestdata/93pre2\_3.wav -> Normal

[131]: newtestdata/94post1\_1.wav -> Abnormal

[132]: newtestdata/94post1\_2.wav -> Normal

[133]: newtestdata/94post1\_3.wav -> Abnormal

[134]: newtestdata/94post2\_1.wav -> Abnormal

[135]: newtestdata/94post2\_2.wav -> Normal

[136]: newtestdata/94post2\_3.wav -> Normal

[137]: newtestdata/94post3\_1.wav -> Abnormal

[138]: newtestdata/94post3\_2.wav -> Abnormal

[139]: newtestdata/94post3\_3.wav -> Normal

[140]: newtestdata/94post4\_1.wav -> Normal

[141]: newtestdata/94post4\_2.wav -> Abnormal

[142]: newtestdata/94post4\_3.wav -> Normal

[143]: newtestdata/95post1\_1.wav -> Normal

[144]: newtestdata/95post1\_2.wav -> Normal

[145]: newtestdata/95post1\_3.wav -> Normal

[146]: newtestdata/95post2\_1.wav -> Normal

[147]: newtestdata/95post2\_2.wav -> Normal

[148]: newtestdata/95post2\_3.wav -> Normal

[149]: newtestdata/95pre1\_1.wav -> Normal

[150]: newtestdata/95pre1\_2.wav -> Abnormal

[151]: newtestdata/95pre1\_3.wav -> Normal

[152]: newtestdata/96post1\_1.wav -> Normal

[153]: newtestdata/96post1\_2.wav -> Normal

[154]: newtestdata/96post1\_3.wav -> Normal

[155]: newtestdata/96post2\_1.wav -> Normal

[156]: newtestdata/96post2\_2.wav -> Normal

[157]: newtestdata/96post2\_3.wav -> Normal

[158]: newtestdata/96pre1\_1.wav -> Normal

[159]: newtestdata/96pre1\_2.wav -> Normal

[160]: newtestdata/96pre1\_3.wav -> Normal

[161]: newtestdata/96pre2\_1.wav -> Abnormal

[162]: newtestdata/96pre2\_2.wav -> Normal

[163]: newtestdata/96pre2\_3.wav -> Abnormal

[164]: newtestdata/97post1\_1.wav -> Normal

[165]: newtestdata/97post1\_2.wav -> Normal

[166]: newtestdata/97post1\_3.wav -> Normal

[167]: newtestdata/97post2\_1.wav -> Normal

[168]: newtestdata/97post2\_2.wav -> Abnormal

[169]: newtestdata/97post2\_3.wav -> Abnormal

[170]: newtestdata/97pre1\_1.wav -> Normal

[171]: newtestdata/97pre1\_2.wav -> Normal

[172]: newtestdata/97pre1\_3.wav -> Abnormal

[173]: newtestdata/97pre2\_1.wav -> Abnormal

[174]: newtestdata/97pre2\_2.wav -> Abnormal

[175]: newtestdata/97pre2\_3.wav -> Abnormal

[176]: newtestdata/98post1\_1.wav -> Normal

[177]: newtestdata/98post1\_2.wav -> Abnormal

[178]: newtestdata/98post1\_3.wav -> Abnormal

[179]: newtestdata/98post2\_1.wav -> Normal

[180]: newtestdata/98post2\_2.wav -> Normal

[181]: newtestdata/98post2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 182, num\_patient 18

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=182, failed=0

processFeatures 2.03sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/100post1\_2.wav -> Abnormal

[1]: newtestdata/100post1\_3.wav -> Normal

[2]: newtestdata/100post2\_1.wav -> Normal

[3]: newtestdata/100post2\_2.wav -> Normal

[4]: newtestdata/100post2\_3.wav -> Normal

[5]: newtestdata/100pre1\_1.wav -> Abnormal

[6]: newtestdata/100pre1\_2.wav -> Normal

[7]: newtestdata/100pre1\_3.wav -> Normal

[8]: newtestdata/100pre2\_1.wav -> Abnormal

[9]: newtestdata/100pre2\_2.wav -> Normal

[10]: newtestdata/100pre2\_3.wav -> Normal

[11]: newtestdata/80post1\_1.wav -> Normal

[12]: newtestdata/80post1\_2.wav -> Normal

[13]: newtestdata/80post1\_3.wav -> Normal

[14]: newtestdata/80post2\_1.wav -> Normal

[15]: newtestdata/80post2\_2.wav -> Normal

[16]: newtestdata/80post2\_3.wav -> Normal

[17]: newtestdata/80post3\_1.wav -> Normal

[18]: newtestdata/80post3\_2.wav -> Normal

[19]: newtestdata/80post3\_3.wav -> Normal

[20]: newtestdata/80post4\_1.wav -> Normal

[21]: newtestdata/80post4\_2.wav -> Normal

[22]: newtestdata/80post4\_3.wav -> Normal

[23]: newtestdata/82post1\_1.wav -> Normal

[24]: newtestdata/82post1\_2.wav -> Normal

[25]: newtestdata/82post1\_3.wav -> Normal

[26]: newtestdata/82post2\_1.wav -> Normal

[27]: newtestdata/82post2\_2.wav -> Normal

[28]: newtestdata/82post2\_3.wav -> Normal

[29]: newtestdata/82pre1\_1.wav -> Normal

[30]: newtestdata/82pre1\_2.wav -> Normal

[31]: newtestdata/82pre1\_3.wav -> Abnormal

[32]: newtestdata/82pre2\_1.wav -> Normal

[33]: newtestdata/82pre2\_2.wav -> Normal

[34]: newtestdata/82pre2\_3.wav -> Normal

[35]: newtestdata/83post1\_1.wav -> Normal

[36]: newtestdata/83post1\_2.wav -> Normal

[37]: newtestdata/83post1\_3.wav -> Normal

[38]: newtestdata/83post2\_1.wav -> Normal

[39]: newtestdata/83post2\_2.wav -> Abnormal

[40]: newtestdata/83post2\_3.wav -> Normal

[41]: newtestdata/83post3\_1.wav -> Abnormal

[42]: newtestdata/83post3\_2.wav -> Abnormal

[43]: newtestdata/83post3\_3.wav -> Abnormal

[44]: newtestdata/83post4\_1.wav -> Normal

[45]: newtestdata/83post4\_2.wav -> Normal

[46]: newtestdata/83post4\_3.wav -> Normal

[47]: newtestdata/85post1\_1.wav -> Normal

[48]: newtestdata/85post1\_2.wav -> Normal

[49]: newtestdata/85post1\_3.wav -> Normal

[50]: newtestdata/85post2\_1.wav -> Normal

[51]: newtestdata/85post2\_2.wav -> Normal

[52]: newtestdata/85post2\_3.wav -> Normal

[53]: newtestdata/85post3\_1.wav -> Normal

[54]: newtestdata/85post3\_2.wav -> Normal

[55]: newtestdata/85post3\_3.wav -> Normal

[56]: newtestdata/85post4\_1.wav -> Normal

[57]: newtestdata/85post4\_2.wav -> Abnormal

[58]: newtestdata/85post4\_3.wav -> Abnormal

[59]: newtestdata/86post1\_1.wav -> Normal

[60]: newtestdata/86post1\_2.wav -> Normal

[61]: newtestdata/86post1\_3.wav -> Normal

[62]: newtestdata/86post2\_1.wav -> Normal

[63]: newtestdata/86post2\_2.wav -> Normal

[64]: newtestdata/86post2\_3.wav -> Normal

[65]: newtestdata/86pre1\_1.wav -> Normal

[66]: newtestdata/86pre1\_2.wav -> Normal

[67]: newtestdata/86pre1\_3.wav -> Normal

[68]: newtestdata/86pre2\_1.wav -> Normal

[69]: newtestdata/86pre2\_2.wav -> Normal

[70]: newtestdata/86pre2\_3.wav -> Normal

[71]: newtestdata/87post1\_1.wav -> Normal

[72]: newtestdata/87post1\_2.wav -> Normal

[73]: newtestdata/87post1\_3.wav -> Normal

[74]: newtestdata/87post2\_1.wav -> Normal

[75]: newtestdata/87post2\_2.wav -> Normal

[76]: newtestdata/87post2\_3.wav -> Normal

[77]: newtestdata/88post1\_1.wav -> Normal

[78]: newtestdata/88post1\_2.wav -> Normal

[79]: newtestdata/88post1\_3.wav -> Normal

[80]: newtestdata/88post2\_1.wav -> Normal

[81]: newtestdata/88post2\_2.wav -> Normal

[82]: newtestdata/88post2\_3.wav -> Normal

[83]: newtestdata/89post1\_1.wav -> Normal

[84]: newtestdata/89post1\_2.wav -> Normal

[85]: newtestdata/89post1\_3.wav -> Normal

[86]: newtestdata/89post2\_1.wav -> Normal

[87]: newtestdata/89post2\_2.wav -> Normal

[88]: newtestdata/89post2\_3.wav -> Normal

[89]: newtestdata/89post3\_1.wav -> Normal

[90]: newtestdata/89post3\_2.wav -> Abnormal

[91]: newtestdata/89post3\_3.wav -> Normal

[92]: newtestdata/89post4\_1.wav -> Normal

[93]: newtestdata/89post4\_2.wav -> Normal

[94]: newtestdata/89post4\_3.wav -> Normal

[95]: newtestdata/90post1\_1.wav -> Normal

[96]: newtestdata/90post1\_2.wav -> Normal

[97]: newtestdata/90post1\_3.wav -> Normal

[98]: newtestdata/90post2\_1.wav -> Normal

[99]: newtestdata/90post2\_2.wav -> Normal

[100]: newtestdata/90post2\_3.wav -> Normal

[101]: newtestdata/91post1\_1.wav -> Normal

[102]: newtestdata/91post1\_2.wav -> Normal

[103]: newtestdata/91post1\_3.wav -> Normal

[104]: newtestdata/91post2\_1.wav -> Normal

[105]: newtestdata/91post2\_2.wav -> Normal

[106]: newtestdata/91post2\_3.wav -> Normal

[107]: newtestdata/91pre1\_1.wav -> Normal

[108]: newtestdata/91pre1\_2.wav -> Normal

[109]: newtestdata/91pre1\_3.wav -> Normal

[110]: newtestdata/91pre2\_1.wav -> Normal

[111]: newtestdata/91pre2\_2.wav -> Normal

[112]: newtestdata/91pre2\_3.wav -> Normal

[113]: newtestdata/92post1\_1.wav -> Normal

[114]: newtestdata/92post1\_2.wav -> Normal

[115]: newtestdata/92post1\_3.wav -> Normal

[116]: newtestdata/92post2\_1.wav -> Normal

[117]: newtestdata/92post2\_2.wav -> Normal

[118]: newtestdata/92post2\_3.wav -> Normal

[119]: newtestdata/93post1\_1.wav -> Normal

[120]: newtestdata/93post1\_2.wav -> Normal

[121]: newtestdata/93post1\_3.wav -> Normal

[122]: newtestdata/93post2\_1.wav -> Abnormal

[123]: newtestdata/93post2\_2.wav -> Abnormal

[124]: newtestdata/93post2\_3.wav -> Normal

[125]: newtestdata/93pre1\_1.wav -> Abnormal

[126]: newtestdata/93pre1\_2.wav -> Normal

[127]: newtestdata/93pre1\_3.wav -> Normal

[128]: newtestdata/93pre2\_1.wav -> Normal

[129]: newtestdata/93pre2\_2.wav -> Abnormal

[130]: newtestdata/93pre2\_3.wav -> Normal

[131]: newtestdata/94post1\_1.wav -> Abnormal

[132]: newtestdata/94post1\_2.wav -> Normal

[133]: newtestdata/94post1\_3.wav -> Abnormal

[134]: newtestdata/94post2\_1.wav -> Abnormal

[135]: newtestdata/94post2\_2.wav -> Normal

[136]: newtestdata/94post2\_3.wav -> Normal

[137]: newtestdata/94post3\_1.wav -> Abnormal

[138]: newtestdata/94post3\_2.wav -> Abnormal

[139]: newtestdata/94post3\_3.wav -> Normal

[140]: newtestdata/94post4\_1.wav -> Normal

[141]: newtestdata/94post4\_2.wav -> Abnormal

[142]: newtestdata/94post4\_3.wav -> Normal

[143]: newtestdata/95post1\_1.wav -> Normal

[144]: newtestdata/95post1\_2.wav -> Normal

[145]: newtestdata/95post1\_3.wav -> Normal

[146]: newtestdata/95post2\_1.wav -> Normal

[147]: newtestdata/95post2\_2.wav -> Normal

[148]: newtestdata/95post2\_3.wav -> Normal

[149]: newtestdata/95pre1\_1.wav -> Normal

[150]: newtestdata/95pre1\_2.wav -> Abnormal

[151]: newtestdata/95pre1\_3.wav -> Normal

[152]: newtestdata/96post1\_1.wav -> Normal

[153]: newtestdata/96post1\_2.wav -> Normal

[154]: newtestdata/96post1\_3.wav -> Normal

[155]: newtestdata/96post2\_1.wav -> Normal

[156]: newtestdata/96post2\_2.wav -> Normal

[157]: newtestdata/96post2\_3.wav -> Normal

[158]: newtestdata/96pre1\_1.wav -> Normal

[159]: newtestdata/96pre1\_2.wav -> Normal

[160]: newtestdata/96pre1\_3.wav -> Normal

[161]: newtestdata/96pre2\_1.wav -> Abnormal

[162]: newtestdata/96pre2\_2.wav -> Normal

[163]: newtestdata/96pre2\_3.wav -> Abnormal

[164]: newtestdata/97post1\_1.wav -> Normal

[165]: newtestdata/97post1\_2.wav -> Normal

[166]: newtestdata/97post1\_3.wav -> Normal

[167]: newtestdata/97post2\_1.wav -> Normal

[168]: newtestdata/97post2\_2.wav -> Abnormal

[169]: newtestdata/97post2\_3.wav -> Abnormal

[170]: newtestdata/97pre1\_1.wav -> Normal

[171]: newtestdata/97pre1\_2.wav -> Normal

[172]: newtestdata/97pre1\_3.wav -> Abnormal

[173]: newtestdata/97pre2\_1.wav -> Abnormal

[174]: newtestdata/97pre2\_2.wav -> Abnormal

[175]: newtestdata/97pre2\_3.wav -> Abnormal

[176]: newtestdata/98post1\_1.wav -> Normal

[177]: newtestdata/98post1\_2.wav -> Abnormal

[178]: newtestdata/98post1\_3.wav -> Abnormal

[179]: newtestdata/98post2\_1.wav -> Normal

[180]: newtestdata/98post2\_2.wav -> Normal

[181]: newtestdata/98post2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 127, num\_patient 18

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=127, failed=0

processFeatures 1.46sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/100post1\_3.wav -> Normal

[1]: newtestdata/100post2\_1.wav -> Normal

[2]: newtestdata/100post2\_2.wav -> Normal

[3]: newtestdata/100post2\_3.wav -> Normal

[4]: newtestdata/100pre1\_1.wav -> Abnormal

[5]: newtestdata/100pre2\_1.wav -> Abnormal

[6]: newtestdata/80post1\_1.wav -> Normal

[7]: newtestdata/80post1\_2.wav -> Normal

[8]: newtestdata/80post1\_3.wav -> Normal

[9]: newtestdata/80post2\_1.wav -> Normal

[10]: newtestdata/80post2\_2.wav -> Normal

[11]: newtestdata/80post2\_3.wav -> Normal

[12]: newtestdata/80post3\_1.wav -> Normal

[13]: newtestdata/80post3\_2.wav -> Normal

[14]: newtestdata/80post3\_3.wav -> Normal

[15]: newtestdata/80post4\_1.wav -> Normal

[16]: newtestdata/80post4\_2.wav -> Normal

[17]: newtestdata/80post4\_3.wav -> Normal

[18]: newtestdata/82post1\_3.wav -> Normal

[19]: newtestdata/82post2\_1.wav -> Normal

[20]: newtestdata/82post2\_2.wav -> Normal

[21]: newtestdata/82post2\_3.wav -> Normal

[22]: newtestdata/82pre1\_3.wav -> Abnormal

[23]: newtestdata/83post1\_1.wav -> Normal

[24]: newtestdata/83post1\_2.wav -> Normal

[25]: newtestdata/83post1\_3.wav -> Normal

[26]: newtestdata/83post2\_1.wav -> Normal

[27]: newtestdata/83post2\_3.wav -> Normal

[28]: newtestdata/83post4\_1.wav -> Normal

[29]: newtestdata/83post4\_2.wav -> Normal

[30]: newtestdata/83post4\_3.wav -> Normal

[31]: newtestdata/85post1\_1.wav -> Normal

[32]: newtestdata/85post1\_2.wav -> Normal

[33]: newtestdata/85post1\_3.wav -> Normal

[34]: newtestdata/85post2\_1.wav -> Normal

[35]: newtestdata/85post2\_2.wav -> Normal

[36]: newtestdata/85post2\_3.wav -> Normal

[37]: newtestdata/85post3\_1.wav -> Normal

[38]: newtestdata/85post3\_2.wav -> Normal

[39]: newtestdata/85post3\_3.wav -> Normal

[40]: newtestdata/85post4\_1.wav -> Normal

[41]: newtestdata/86post1\_1.wav -> Normal

[42]: newtestdata/86post1\_2.wav -> Normal

[43]: newtestdata/86post1\_3.wav -> Normal

[44]: newtestdata/86post2\_1.wav -> Normal

[45]: newtestdata/86post2\_2.wav -> Normal

[46]: newtestdata/86post2\_3.wav -> Normal

[47]: newtestdata/87post1\_1.wav -> Normal

[48]: newtestdata/87post1\_2.wav -> Normal

[49]: newtestdata/87post1\_3.wav -> Normal

[50]: newtestdata/87post2\_1.wav -> Normal

[51]: newtestdata/87post2\_2.wav -> Normal

[52]: newtestdata/87post2\_3.wav -> Normal

[53]: newtestdata/88post1\_1.wav -> Normal

[54]: newtestdata/88post1\_2.wav -> Normal

[55]: newtestdata/88post1\_3.wav -> Normal

[56]: newtestdata/88post2\_1.wav -> Normal

[57]: newtestdata/88post2\_2.wav -> Normal

[58]: newtestdata/88post2\_3.wav -> Normal

[59]: newtestdata/89post1\_1.wav -> Normal

[60]: newtestdata/89post1\_2.wav -> Normal

[61]: newtestdata/89post1\_3.wav -> Normal

[62]: newtestdata/89post2\_1.wav -> Normal

[63]: newtestdata/89post2\_2.wav -> Normal

[64]: newtestdata/89post2\_3.wav -> Normal

[65]: newtestdata/89post3\_1.wav -> Normal

[66]: newtestdata/89post3\_3.wav -> Normal

[67]: newtestdata/89post4\_1.wav -> Normal

[68]: newtestdata/89post4\_2.wav -> Normal

[69]: newtestdata/89post4\_3.wav -> Normal

[70]: newtestdata/90post1\_1.wav -> Normal

[71]: newtestdata/90post1\_2.wav -> Normal

[72]: newtestdata/90post1\_3.wav -> Normal

[73]: newtestdata/90post2\_1.wav -> Normal

[74]: newtestdata/90post2\_2.wav -> Normal

[75]: newtestdata/90post2\_3.wav -> Normal

[76]: newtestdata/91post1\_1.wav -> Normal

[77]: newtestdata/91post1\_2.wav -> Normal

[78]: newtestdata/91post1\_3.wav -> Normal

[79]: newtestdata/91post2\_1.wav -> Normal

[80]: newtestdata/91post2\_2.wav -> Normal

[81]: newtestdata/91post2\_3.wav -> Normal

[82]: newtestdata/92post1\_1.wav -> Normal

[83]: newtestdata/92post1\_2.wav -> Normal

[84]: newtestdata/92post1\_3.wav -> Normal

[85]: newtestdata/92post2\_1.wav -> Normal

[86]: newtestdata/92post2\_2.wav -> Normal

[87]: newtestdata/92post2\_3.wav -> Normal

[88]: newtestdata/93post1\_1.wav -> Normal

[89]: newtestdata/93post1\_2.wav -> Normal

[90]: newtestdata/93post1\_3.wav -> Normal

[91]: newtestdata/93post2\_3.wav -> Normal

[92]: newtestdata/93pre1\_1.wav -> Abnormal

[93]: newtestdata/93pre2\_2.wav -> Abnormal

[94]: newtestdata/94post1\_2.wav -> Normal

[95]: newtestdata/94post2\_2.wav -> Normal

[96]: newtestdata/94post2\_3.wav -> Normal

[97]: newtestdata/94post3\_3.wav -> Normal

[98]: newtestdata/94post4\_1.wav -> Normal

[99]: newtestdata/94post4\_3.wav -> Normal

[100]: newtestdata/95post1\_1.wav -> Normal

[101]: newtestdata/95post1\_2.wav -> Normal

[102]: newtestdata/95post1\_3.wav -> Normal

[103]: newtestdata/95post2\_1.wav -> Normal

[104]: newtestdata/95post2\_2.wav -> Normal

[105]: newtestdata/95post2\_3.wav -> Normal

[106]: newtestdata/95pre1\_2.wav -> Abnormal

[107]: newtestdata/96post1\_1.wav -> Normal

[108]: newtestdata/96post1\_2.wav -> Normal

[109]: newtestdata/96post1\_3.wav -> Normal

[110]: newtestdata/96post2\_1.wav -> Normal

[111]: newtestdata/96post2\_2.wav -> Normal

[112]: newtestdata/96post2\_3.wav -> Normal

[113]: newtestdata/96pre2\_1.wav -> Abnormal

[114]: newtestdata/96pre2\_3.wav -> Abnormal

[115]: newtestdata/97post1\_1.wav -> Normal

[116]: newtestdata/97post1\_2.wav -> Normal

[117]: newtestdata/97post1\_3.wav -> Normal

[118]: newtestdata/97post2\_1.wav -> Normal

[119]: newtestdata/97pre1\_3.wav -> Abnormal

[120]: newtestdata/97pre2\_1.wav -> Abnormal

[121]: newtestdata/97pre2\_2.wav -> Abnormal

[122]: newtestdata/97pre2\_3.wav -> Abnormal

[123]: newtestdata/98post1\_1.wav -> Normal

[124]: newtestdata/98post2\_1.wav -> Normal

[125]: newtestdata/98post2\_2.wav -> Normal

[126]: newtestdata/98post2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 16464, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.52sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.81sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

Traceback (most recent call last):

  File "testModel.py", line 10, in <module>

    import heartSound, train

  File "/Users/andy/dialysis/audio4video/train.py", line 19, in <module>

    import lightgbm

ModuleNotFoundError: No module named 'lightgbm'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 299, num\_patient 31

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (4096), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (512), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (4096), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

WARNING:root:frame length (12000) is greater than FFT size (8192), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=299, failed=0

processFeatures 3.39sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/101post1\_1.wav -> Normal

[1]: newtestdata/101post1\_2.wav -> Normal

[2]: newtestdata/101post1\_3.wav -> Normal

[3]: newtestdata/101post2\_1.wav -> Normal

[4]: newtestdata/101post2\_2.wav -> Normal

[5]: newtestdata/101post2\_3.wav -> Normal

[6]: newtestdata/101pre1\_1.wav -> Abnormal

[7]: newtestdata/101pre1\_2.wav -> Normal

[8]: newtestdata/101pre1\_3.wav -> Abnormal

[9]: newtestdata/101pre2\_1.wav -> Abnormal

[10]: newtestdata/101pre2\_2.wav -> Abnormal

[11]: newtestdata/101pre2\_3.wav -> Abnormal

[12]: newtestdata/102post1\_1.wav -> Normal

[13]: newtestdata/102post1\_2.wav -> Normal

[14]: newtestdata/102post1\_3.wav -> Normal

[15]: newtestdata/102post2\_1.wav -> Normal

[16]: newtestdata/102post2\_2.wav -> Normal

[17]: newtestdata/102post2\_3.wav -> Normal

[18]: newtestdata/103post1\_1.wav -> Normal

[19]: newtestdata/103post1\_2.wav -> Abnormal

[20]: newtestdata/103post1\_3.wav -> Normal

[21]: newtestdata/103post2\_1.wav -> Normal

[22]: newtestdata/103post2\_2.wav -> Normal

[23]: newtestdata/103post2\_3.wav -> Normal

[24]: newtestdata/103post3\_1.wav -> Normal

[25]: newtestdata/103post3\_2.wav -> Normal

[26]: newtestdata/103post3\_3.wav -> Abnormal

[27]: newtestdata/103post4\_1.wav -> Normal

[28]: newtestdata/103post4\_2.wav -> Normal

[29]: newtestdata/103post4\_3.wav -> Abnormal

[30]: newtestdata/104post1\_1.wav -> Normal

[31]: newtestdata/104post1\_2.wav -> Abnormal

[32]: newtestdata/104post1\_3.wav -> Normal

[33]: newtestdata/104post2\_1.wav -> Normal

[34]: newtestdata/104post2\_2.wav -> Normal

[35]: newtestdata/104post2\_3.wav -> Normal

[36]: newtestdata/104pre1\_1.wav -> Abnormal

[37]: newtestdata/104pre1\_2.wav -> Abnormal

[38]: newtestdata/104pre1\_3.wav -> Abnormal

[39]: newtestdata/104pre2\_1.wav -> Abnormal

[40]: newtestdata/104pre2\_2.wav -> Abnormal

[41]: newtestdata/104pre2\_3.wav -> Normal

[42]: newtestdata/105post1\_1.wav -> Normal

[43]: newtestdata/105post1\_2.wav -> Normal

[44]: newtestdata/105post1\_3.wav -> Normal

[45]: newtestdata/105post2\_1.wav -> Normal

[46]: newtestdata/105post2\_2.wav -> Normal

[47]: newtestdata/105post2\_3.wav -> Abnormal

[48]: newtestdata/105pre1\_1.wav -> Abnormal

[49]: newtestdata/105pre1\_2.wav -> Abnormal

[50]: newtestdata/105pre1\_3.wav -> Normal

[51]: newtestdata/105pre2\_1.wav -> Abnormal

[52]: newtestdata/105pre2\_2.wav -> Abnormal

[53]: newtestdata/105pre2\_3.wav -> Abnormal

[54]: newtestdata/106post1\_1.wav -> Normal

[55]: newtestdata/106post1\_2.wav -> Normal

[56]: newtestdata/106post1\_3.wav -> Normal

[57]: newtestdata/106post2\_1.wav -> Normal

[58]: newtestdata/106post2\_2.wav -> Normal

[59]: newtestdata/106post2\_3.wav -> Normal

[60]: newtestdata/106pre1\_1.wav -> Abnormal

[61]: newtestdata/106pre1\_2.wav -> Abnormal

[62]: newtestdata/106pre1\_3.wav -> Abnormal

[63]: newtestdata/106pre2\_1.wav -> Normal

[64]: newtestdata/106pre2\_2.wav -> Normal

[65]: newtestdata/106pre2\_3.wav -> Abnormal

[66]: newtestdata/107post1\_1.wav -> Normal

[67]: newtestdata/107post1\_2.wav -> Normal

[68]: newtestdata/107post1\_3.wav -> Normal

[69]: newtestdata/107post2\_1.wav -> Normal

[70]: newtestdata/107post2\_2.wav -> Normal

[71]: newtestdata/107post2\_3.wav -> Normal

[72]: newtestdata/107post3\_1.wav -> Normal

[73]: newtestdata/107post3\_2.wav -> Normal

[74]: newtestdata/107post3\_3.wav -> Normal

[75]: newtestdata/107post4\_1.wav -> Normal

[76]: newtestdata/107post4\_2.wav -> Normal

[77]: newtestdata/107post4\_3.wav -> Abnormal

[78]: newtestdata/108post1\_1.wav -> Normal

[79]: newtestdata/108post1\_2.wav -> Normal

[80]: newtestdata/108post1\_3.wav -> Normal

[81]: newtestdata/108post2\_1.wav -> Normal

[82]: newtestdata/108post2\_2.wav -> Normal

[83]: newtestdata/108post2\_3.wav -> Normal

[84]: newtestdata/109post1\_1.wav -> Normal

[85]: newtestdata/109post1\_2.wav -> Normal

[86]: newtestdata/109post1\_3.wav -> Normal

[87]: newtestdata/109post2\_1.wav -> Normal

[88]: newtestdata/109post2\_2.wav -> Normal

[89]: newtestdata/109post2\_3.wav -> Normal

[90]: newtestdata/110post1\_1.wav -> Normal

[91]: newtestdata/110post1\_2.wav -> Normal

[92]: newtestdata/110post1\_3.wav -> Normal

[93]: newtestdata/110post2\_1.wav -> Normal

[94]: newtestdata/110post2\_2.wav -> Abnormal

[95]: newtestdata/110post2\_3.wav -> Normal

[96]: newtestdata/111post1\_1.wav -> Normal

[97]: newtestdata/111post1\_2.wav -> Normal

[98]: newtestdata/111post1\_3.wav -> Normal

[99]: newtestdata/111post2\_1.wav -> Normal

[100]: newtestdata/111post2\_2.wav -> Normal

[101]: newtestdata/111post2\_3.wav -> Normal

[102]: newtestdata/112post1\_1.wav -> Normal

[103]: newtestdata/112post1\_2.wav -> Normal

[104]: newtestdata/112post1\_3.wav -> Normal

[105]: newtestdata/112post2\_1.wav -> Normal

[106]: newtestdata/112post2\_2.wav -> Normal

[107]: newtestdata/112post2\_3.wav -> Normal

[108]: newtestdata/113post1\_1.wav -> Normal

[109]: newtestdata/113post1\_2.wav -> Normal

[110]: newtestdata/113post1\_3.wav -> Normal

[111]: newtestdata/113post2\_1.wav -> Normal

[112]: newtestdata/113post2\_2.wav -> Normal

[113]: newtestdata/113post2\_3.wav -> Normal

[114]: newtestdata/114post1\_1.wav -> Normal

[115]: newtestdata/114post1\_2.wav -> Normal

[116]: newtestdata/114post1\_3.wav -> Normal

[117]: newtestdata/114post2\_1.wav -> Normal

[118]: newtestdata/114post2\_2.wav -> Abnormal

[119]: newtestdata/114post2\_3.wav -> Abnormal

[120]: newtestdata/114pre1\_1.wav -> Abnormal

[121]: newtestdata/114pre1\_2.wav -> Abnormal

[122]: newtestdata/114pre1\_3.wav -> Abnormal

[123]: newtestdata/114pre2\_1.wav -> Abnormal

[124]: newtestdata/114pre2\_2.wav -> Abnormal

[125]: newtestdata/114pre2\_3.wav -> Abnormal

[126]: newtestdata/115post1\_1.wav -> Normal

[127]: newtestdata/115post1\_2.wav -> Normal

[128]: newtestdata/115post1\_3.wav -> Normal

[129]: newtestdata/115post2\_1.wav -> Normal

[130]: newtestdata/115post2\_2.wav -> Normal

[131]: newtestdata/115post2\_3.wav -> Normal

[132]: newtestdata/115post3\_1.wav -> Normal

[133]: newtestdata/115post3\_2.wav -> Abnormal

[134]: newtestdata/115post3\_3.wav -> Normal

[135]: newtestdata/115post4\_1.wav -> Normal

[136]: newtestdata/115post4\_2.wav -> Normal

[137]: newtestdata/115post4\_3.wav -> Normal

[138]: newtestdata/116post1\_1.wav -> Normal

[139]: newtestdata/116post1\_2.wav -> Normal

[140]: newtestdata/116post1\_3.wav -> Normal

[141]: newtestdata/116post2\_1.wav -> Normal

[142]: newtestdata/116post2\_2.wav -> Normal

[143]: newtestdata/116post2\_3.wav -> Normal

[144]: newtestdata/116post3\_1.wav -> Normal

[145]: newtestdata/116post3\_2.wav -> Normal

[146]: newtestdata/116post3\_3.wav -> Normal

[147]: newtestdata/116post4\_1.wav -> Normal

[148]: newtestdata/116post4\_2.wav -> Normal

[149]: newtestdata/117post1\_1.wav -> Normal

[150]: newtestdata/117post1\_2.wav -> Normal

[151]: newtestdata/117post1\_3.wav -> Normal

[152]: newtestdata/117post2\_1.wav -> Normal

[153]: newtestdata/117post2\_2.wav -> Abnormal

[154]: newtestdata/117post2\_3.wav -> Abnormal

[155]: newtestdata/117post3\_1.wav -> Normal

[156]: newtestdata/117post3\_2.wav -> Normal

[157]: newtestdata/117post3\_3.wav -> Normal

[158]: newtestdata/117post4\_1.wav -> Normal

[159]: newtestdata/117post4\_2.wav -> Abnormal

[160]: newtestdata/117post4\_3.wav -> Abnormal

[161]: newtestdata/118pre1\_1.wav -> Abnormal

[162]: newtestdata/118pre1\_2.wav -> Abnormal

[163]: newtestdata/118pre1\_3.wav -> Abnormal

[164]: newtestdata/118pre2\_1.wav -> Abnormal

[165]: newtestdata/118pre2\_2.wav -> Abnormal

[166]: newtestdata/118pre2\_3.wav -> Abnormal

[167]: newtestdata/119pre1\_1.wav -> Normal

[168]: newtestdata/119pre1\_2.wav -> Normal

[169]: newtestdata/119pre1\_3.wav -> Normal

[170]: newtestdata/119pre2\_1.wav -> Abnormal

[171]: newtestdata/119pre2\_2.wav -> Normal

[172]: newtestdata/119pre2\_3.wav -> Normal

[173]: newtestdata/120post1\_1.wav -> Normal

[174]: newtestdata/120post1\_2.wav -> Normal

[175]: newtestdata/120post1\_3.wav -> Normal

[176]: newtestdata/120post2\_1.wav -> Normal

[177]: newtestdata/120post2\_2.wav -> Normal

[178]: newtestdata/120post2\_3.wav -> Normal

[179]: newtestdata/121post1\_1.wav -> Normal

[180]: newtestdata/121post1\_2.wav -> Normal

[181]: newtestdata/121post1\_3.wav -> Normal

[182]: newtestdata/121post2\_1.wav -> Abnormal

[183]: newtestdata/121post2\_2.wav -> Normal

[184]: newtestdata/121post2\_3.wav -> Normal

[185]: newtestdata/121pre1\_1.wav -> Normal

[186]: newtestdata/121pre1\_2.wav -> Normal

[187]: newtestdata/121pre1\_3.wav -> Abnormal

[188]: newtestdata/121pre2\_1.wav -> Normal

[189]: newtestdata/121pre2\_2.wav -> Normal

[190]: newtestdata/121pre2\_3.wav -> Normal

[191]: newtestdata/122post1\_1.wav -> Normal

[192]: newtestdata/122post1\_2.wav -> Normal

[193]: newtestdata/122post1\_3.wav -> Abnormal

[194]: newtestdata/122post2\_1.wav -> Abnormal

[195]: newtestdata/122post2\_2.wav -> Abnormal

[196]: newtestdata/122post2\_3.wav -> Abnormal

[197]: newtestdata/122post3\_1.wav -> Abnormal

[198]: newtestdata/122post3\_2.wav -> Normal

[199]: newtestdata/122post3\_3.wav -> Normal

[200]: newtestdata/122post4\_1.wav -> Abnormal

[201]: newtestdata/122post4\_2.wav -> Normal

[202]: newtestdata/122post4\_3.wav -> Abnormal

[203]: newtestdata/123post1\_1.wav -> Abnormal

[204]: newtestdata/123post1\_2.wav -> Normal

[205]: newtestdata/123post1\_3.wav -> Abnormal

[206]: newtestdata/123post2\_1.wav -> Abnormal

[207]: newtestdata/123post2\_2.wav -> Normal

[208]: newtestdata/123post2\_3.wav -> Normal

[209]: newtestdata/123pre1\_1.wav -> Normal

[210]: newtestdata/123pre1\_2.wav -> Normal

[211]: newtestdata/123pre1\_3.wav -> Normal

[212]: newtestdata/123pre2\_1.wav -> Normal

[213]: newtestdata/123pre2\_2.wav -> Normal

[214]: newtestdata/123pre2\_3.wav -> Abnormal

[215]: newtestdata/124post1\_1.wav -> Normal

[216]: newtestdata/124post1\_2.wav -> Normal

[217]: newtestdata/124post1\_3.wav -> Normal

[218]: newtestdata/124post2\_1.wav -> Normal

[219]: newtestdata/124post2\_2.wav -> Normal

[220]: newtestdata/124post2\_3.wav -> Abnormal

[221]: newtestdata/124post3\_1.wav -> Normal

[222]: newtestdata/124post3\_2.wav -> Normal

[223]: newtestdata/124post3\_3.wav -> Normal

[224]: newtestdata/124post4\_1.wav -> Normal

[225]: newtestdata/124post4\_2.wav -> Normal

[226]: newtestdata/124post4\_3.wav -> Normal

[227]: newtestdata/125pre1\_1.wav -> Normal

[228]: newtestdata/125pre1\_2.wav -> Abnormal

[229]: newtestdata/125pre1\_3.wav -> Normal

[230]: newtestdata/125pre2\_1.wav -> Normal

[231]: newtestdata/125pre2\_2.wav -> Normal

[232]: newtestdata/125pre2\_3.wav -> Normal

[233]: newtestdata/129post1\_1.wav -> Normal

[234]: newtestdata/129post1\_2.wav -> Normal

[235]: newtestdata/129post1\_3.wav -> Normal

[236]: newtestdata/129post2\_1.wav -> Normal

[237]: newtestdata/129post2\_2.wav -> Normal

[238]: newtestdata/129post2\_3.wav -> Normal

[239]: newtestdata/129post3\_1.wav -> Normal

[240]: newtestdata/129post3\_2.wav -> Normal

[241]: newtestdata/129post3\_3.wav -> Normal

[242]: newtestdata/129post4\_1.wav -> Normal

[243]: newtestdata/129post4\_2.wav -> Normal

[244]: newtestdata/129post4\_3.wav -> Normal

[245]: newtestdata/130post3\_1.wav -> Normal

[246]: newtestdata/130post3\_2.wav -> Normal

[247]: newtestdata/130post3\_3.wav -> Normal

[248]: newtestdata/130post4\_1.wav -> Abnormal

[249]: newtestdata/130post4\_2.wav -> Abnormal

[250]: newtestdata/130post4\_3.wav -> Abnormal

[251]: newtestdata/131post1\_1.wav -> Normal

[252]: newtestdata/131post1\_2.wav -> Normal

[253]: newtestdata/131post1\_3.wav -> Normal

[254]: newtestdata/131post2\_1.wav -> Normal

[255]: newtestdata/131post2\_2.wav -> Normal

[256]: newtestdata/131post2\_3.wav -> Normal

[257]: newtestdata/131pre1\_1.wav -> Normal

[258]: newtestdata/131pre1\_2.wav -> Normal

[259]: newtestdata/131pre1\_3.wav -> Normal

[260]: newtestdata/131pre2\_1.wav -> Normal

[261]: newtestdata/131pre2\_2.wav -> Normal

[262]: newtestdata/131pre2\_3.wav -> Normal

[263]: newtestdata/132post1\_1.wav -> Normal

[264]: newtestdata/132post1\_2.wav -> Abnormal

[265]: newtestdata/132post1\_3.wav -> Abnormal

[266]: newtestdata/132post2\_1.wav -> Abnormal

[267]: newtestdata/132post2\_2.wav -> Abnormal

[268]: newtestdata/132post2\_3.wav -> Abnormal

[269]: newtestdata/132pre1\_1.wav -> Abnormal

[270]: newtestdata/132pre1\_2.wav -> Normal

[271]: newtestdata/132pre1\_3.wav -> Normal

[272]: newtestdata/132pre2\_1.wav -> Abnormal

[273]: newtestdata/132pre2\_2.wav -> Abnormal

[274]: newtestdata/132pre2\_3.wav -> Abnormal

[275]: newtestdata/133post1\_1.wav -> Normal

[276]: newtestdata/133post1\_2.wav -> Normal

[277]: newtestdata/133post1\_3.wav -> Normal

[278]: newtestdata/133post2\_1.wav -> Abnormal

[279]: newtestdata/133post2\_2.wav -> Normal

[280]: newtestdata/133post2\_3.wav -> Abnormal

[281]: newtestdata/133pre1\_1.wav -> Normal

[282]: newtestdata/133pre1\_2.wav -> Normal

[283]: newtestdata/133pre1\_3.wav -> Abnormal

[284]: newtestdata/133pre2\_1.wav -> Normal

[285]: newtestdata/133pre2\_2.wav -> Abnormal

[286]: newtestdata/133pre2\_3.wav -> Abnormal

[287]: newtestdata/134post1\_1.wav -> Abnormal

[288]: newtestdata/134post1\_2.wav -> Normal

[289]: newtestdata/134post1\_3.wav -> Normal

[290]: newtestdata/134post2\_1.wav -> Abnormal

[291]: newtestdata/134post2\_2.wav -> Abnormal

[292]: newtestdata/134post2\_3.wav -> Abnormal

[293]: newtestdata/134pre1\_1.wav -> Abnormal

[294]: newtestdata/134pre1\_2.wav -> Abnormal

[295]: newtestdata/134pre1\_3.wav -> Abnormal

[296]: newtestdata/134pre2\_1.wav -> Normal

[297]: newtestdata/134pre2\_2.wav -> Abnormal

[298]: newtestdata/134pre2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '\_', 'v', 'a', 'l', 'i', 'd', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/a'

datafolder 'data/test\_data/l'

datafolder 'data/test\_data/i'

datafolder 'data/test\_data/d'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 11418, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.96sec

train[subset=[136  44]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 83.33%, roc\_auc 90.95, test[[27  9]], confusion:

[[23  4]

 [ 2  7]]

Average precision-recall score: 0.64

xgt.feature\_importances [0.04908378 0.         0.07096606 0.08983596 0.09316093 0.05972661

 0.08298475 0.07787324 0.05144616 0.06985933 0.14407462 0.0784083

 0.08009917 0.03739299 0.01508811]

cross\_val\_score(GradientBoost) 0.81sec mean: 0.956 max 1.000 min 0.889

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 88.89%, roc\_auc 88.48, test[[27  9]], confusion:

[[25  2]

 [ 2  7]]

Average precision-recall score: 0.67

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 444, num\_patient 40

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=444, failed=0

processFeatures 4.96sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/10post1\_1.wav -> Normal

[1]: newtestdata/10post1\_2.wav -> Normal

[2]: newtestdata/10post1\_3.wav -> Normal

[3]: newtestdata/10post2\_1.wav -> Normal

[4]: newtestdata/10post2\_2.wav -> Normal

[5]: newtestdata/10post2\_3.wav -> Normal

[6]: newtestdata/10post3\_1.wav -> Normal

[7]: newtestdata/10post3\_2.wav -> Normal

[8]: newtestdata/10post3\_3.wav -> Normal

[9]: newtestdata/10post4\_1.wav -> Normal

[10]: newtestdata/10post4\_2.wav -> Normal

[11]: newtestdata/10post4\_3.wav -> Normal

[12]: newtestdata/11post1\_1.wav -> Normal

[13]: newtestdata/11post1\_2.wav -> Normal

[14]: newtestdata/11post1\_3.wav -> Normal

[15]: newtestdata/11post2\_1.wav -> Normal

[16]: newtestdata/11post2\_2.wav -> Normal

[17]: newtestdata/11post2\_3.wav -> Normal

[18]: newtestdata/11pre1\_1.wav -> Normal

[19]: newtestdata/11pre1\_2.wav -> Normal

[20]: newtestdata/11pre1\_3.wav -> Normal

[21]: newtestdata/11pre2\_1.wav -> Normal

[22]: newtestdata/11pre2\_2.wav -> Normal

[23]: newtestdata/11pre2\_3.wav -> Normal

[24]: newtestdata/12post1\_1.wav -> Normal

[25]: newtestdata/12post1\_2.wav -> Normal

[26]: newtestdata/12post1\_3.wav -> Normal

[27]: newtestdata/12post2\_1.wav -> Normal

[28]: newtestdata/12post2\_2.wav -> Normal

[29]: newtestdata/12post2\_3.wav -> Normal

[30]: newtestdata/12pre1\_1.wav -> Normal

[31]: newtestdata/12pre1\_2.wav -> Normal

[32]: newtestdata/12pre1\_3.wav -> Abnormal

[33]: newtestdata/12pre2\_1.wav -> Normal

[34]: newtestdata/12pre2\_2.wav -> Normal

[35]: newtestdata/12pre2\_3.wav -> Normal

[36]: newtestdata/13post1\_1.wav -> Normal

[37]: newtestdata/13post1\_2.wav -> Normal

[38]: newtestdata/13post1\_3.wav -> Normal

[39]: newtestdata/13post2\_1.wav -> Normal

[40]: newtestdata/13post2\_2.wav -> Normal

[41]: newtestdata/13post2\_3.wav -> Normal

[42]: newtestdata/13pre1\_1.wav -> Normal

[43]: newtestdata/13pre1\_2.wav -> Normal

[44]: newtestdata/13pre1\_3.wav -> Normal

[45]: newtestdata/13pre2\_1.wav -> Normal

[46]: newtestdata/13pre2\_2.wav -> Normal

[47]: newtestdata/13pre2\_3.wav -> Normal

[48]: newtestdata/14post1\_1.wav -> Normal

[49]: newtestdata/14post1\_2.wav -> Normal

[50]: newtestdata/14post1\_3.wav -> Normal

[51]: newtestdata/14post2\_1.wav -> Normal

[52]: newtestdata/14post2\_2.wav -> Normal

[53]: newtestdata/14post2\_3.wav -> Normal

[54]: newtestdata/14post3\_1.wav -> Normal

[55]: newtestdata/14post3\_2.wav -> Normal

[56]: newtestdata/14post3\_3.wav -> Normal

[57]: newtestdata/14post4\_1.wav -> Normal

[58]: newtestdata/14post4\_2.wav -> Normal

[59]: newtestdata/14post4\_3.wav -> Normal

[60]: newtestdata/15post1\_1.wav -> Abnormal

[61]: newtestdata/15post1\_2.wav -> Normal

[62]: newtestdata/15post1\_3.wav -> Normal

[63]: newtestdata/15post2\_1.wav -> Abnormal

[64]: newtestdata/15post2\_2.wav -> Abnormal

[65]: newtestdata/15post2\_3.wav -> Normal

[66]: newtestdata/15pre1\_1.wav -> Abnormal

[67]: newtestdata/15pre1\_2.wav -> Normal

[68]: newtestdata/15pre1\_3.wav -> Abnormal

[69]: newtestdata/15pre2\_1.wav -> Normal

[70]: newtestdata/15pre2\_2.wav -> Normal

[71]: newtestdata/15pre2\_3.wav -> Abnormal

[72]: newtestdata/16post1\_1.wav -> Normal

[73]: newtestdata/16post1\_2.wav -> Normal

[74]: newtestdata/16post1\_3.wav -> Normal

[75]: newtestdata/16post2\_1.wav -> Normal

[76]: newtestdata/16post2\_2.wav -> Normal

[77]: newtestdata/16post2\_3.wav -> Normal

[78]: newtestdata/17post1\_1.wav -> Normal

[79]: newtestdata/17post1\_2.wav -> Normal

[80]: newtestdata/17post1\_3.wav -> Normal

[81]: newtestdata/17post2\_1.wav -> Normal

[82]: newtestdata/17post2\_2.wav -> Normal

[83]: newtestdata/17post2\_3.wav -> Normal

[84]: newtestdata/18post1\_1.wav -> Normal

[85]: newtestdata/18post1\_2.wav -> Normal

[86]: newtestdata/18post1\_3.wav -> Normal

[87]: newtestdata/18post2\_1.wav -> Normal

[88]: newtestdata/18post2\_2.wav -> Normal

[89]: newtestdata/18post2\_3.wav -> Normal

[90]: newtestdata/18pre1\_1.wav -> Normal

[91]: newtestdata/18pre1\_2.wav -> Normal

[92]: newtestdata/18pre1\_3.wav -> Normal

[93]: newtestdata/18pre2\_1.wav -> Normal

[94]: newtestdata/18pre2\_2.wav -> Normal

[95]: newtestdata/18pre2\_3.wav -> Normal

[96]: newtestdata/19post1\_1.wav -> Normal

[97]: newtestdata/19post1\_2.wav -> Normal

[98]: newtestdata/19post1\_3.wav -> Normal

[99]: newtestdata/19post2\_1.wav -> Normal

[100]: newtestdata/19post2\_2.wav -> Normal

[101]: newtestdata/19post2\_3.wav -> Normal

[102]: newtestdata/19post3\_1.wav -> Normal

[103]: newtestdata/19post3\_2.wav -> Normal

[104]: newtestdata/19post3\_3.wav -> Normal

[105]: newtestdata/19post4\_1.wav -> Normal

[106]: newtestdata/19post4\_2.wav -> Abnormal

[107]: newtestdata/19post4\_3.wav -> Normal

[108]: newtestdata/1post1\_1.wav -> Normal

[109]: newtestdata/1post1\_2.wav -> Normal

[110]: newtestdata/1post1\_3.wav -> Normal

[111]: newtestdata/1post2\_1.wav -> Normal

[112]: newtestdata/1post2\_2.wav -> Normal

[113]: newtestdata/1post2\_3.wav -> Normal

[114]: newtestdata/1pre1\_1.wav -> Normal

[115]: newtestdata/1pre1\_2.wav -> Normal

[116]: newtestdata/1pre1\_3.wav -> Normal

[117]: newtestdata/1pre2\_1.wav -> Normal

[118]: newtestdata/1pre2\_2.wav -> Normal

[119]: newtestdata/1pre2\_3.wav -> Normal

[120]: newtestdata/20post1\_1.wav -> Normal

[121]: newtestdata/20post1\_2.wav -> Normal

[122]: newtestdata/20post1\_3.wav -> Normal

[123]: newtestdata/20post2\_1.wav -> Normal

[124]: newtestdata/20post2\_2.wav -> Normal

[125]: newtestdata/20post2\_3.wav -> Normal

[126]: newtestdata/20pre1\_1.wav -> Normal

[127]: newtestdata/20pre1\_2.wav -> Normal

[128]: newtestdata/20pre1\_3.wav -> Normal

[129]: newtestdata/20pre2\_1.wav -> Normal

[130]: newtestdata/20pre2\_2.wav -> Normal

[131]: newtestdata/20pre2\_3.wav -> Normal

[132]: newtestdata/21post1\_1.wav -> Abnormal

[133]: newtestdata/21post1\_2.wav -> Normal

[134]: newtestdata/21post1\_3.wav -> Normal

[135]: newtestdata/21post2\_1.wav -> Normal

[136]: newtestdata/21post2\_2.wav -> Normal

[137]: newtestdata/21post2\_3.wav -> Normal

[138]: newtestdata/21pre1\_1.wav -> Normal

[139]: newtestdata/21pre1\_2.wav -> Normal

[140]: newtestdata/21pre1\_3.wav -> Normal

[141]: newtestdata/21pre2\_1.wav -> Normal

[142]: newtestdata/21pre2\_2.wav -> Normal

[143]: newtestdata/21pre2\_3.wav -> Normal

[144]: newtestdata/22post1\_1.wav -> Normal

[145]: newtestdata/22post1\_2.wav -> Normal

[146]: newtestdata/22post1\_3.wav -> Normal

[147]: newtestdata/22post2\_1.wav -> Normal

[148]: newtestdata/22post2\_2.wav -> Normal

[149]: newtestdata/22post2\_3.wav -> Normal

[150]: newtestdata/22post3\_1.wav -> Normal

[151]: newtestdata/22post3\_2.wav -> Normal

[152]: newtestdata/22post3\_3.wav -> Abnormal

[153]: newtestdata/22post4\_1.wav -> Normal

[154]: newtestdata/22post4\_2.wav -> Normal

[155]: newtestdata/22post4\_3.wav -> Abnormal

[156]: newtestdata/23post1\_1.wav -> Normal

[157]: newtestdata/23post1\_2.wav -> Normal

[158]: newtestdata/23post1\_3.wav -> Normal

[159]: newtestdata/23post2\_1.wav -> Normal

[160]: newtestdata/23post2\_2.wav -> Normal

[161]: newtestdata/23post2\_3.wav -> Abnormal

[162]: newtestdata/24post1\_1.wav -> Normal

[163]: newtestdata/24post1\_2.wav -> Normal

[164]: newtestdata/24post1\_3.wav -> Normal

[165]: newtestdata/24post2\_1.wav -> Abnormal

[166]: newtestdata/24post2\_2.wav -> Abnormal

[167]: newtestdata/24post2\_3.wav -> Normal

[168]: newtestdata/25post1\_1.wav -> Normal

[169]: newtestdata/25post1\_2.wav -> Normal

[170]: newtestdata/25post1\_3.wav -> Normal

[171]: newtestdata/25post2\_1.wav -> Abnormal

[172]: newtestdata/25post2\_2.wav -> Abnormal

[173]: newtestdata/25post2\_3.wav -> Abnormal

[174]: newtestdata/25pre1\_1.wav -> Normal

[175]: newtestdata/25pre1\_2.wav -> Normal

[176]: newtestdata/25pre1\_3.wav -> Normal

[177]: newtestdata/25pre2\_1.wav -> Normal

[178]: newtestdata/25pre2\_2.wav -> Normal

[179]: newtestdata/25pre2\_3.wav -> Abnormal

[180]: newtestdata/26post1\_1.wav -> Normal

[181]: newtestdata/26post1\_2.wav -> Normal

[182]: newtestdata/26post1\_3.wav -> Normal

[183]: newtestdata/26post2\_1.wav -> Normal

[184]: newtestdata/26post2\_2.wav -> Normal

[185]: newtestdata/26post2\_3.wav -> Normal

[186]: newtestdata/26post3\_1.wav -> Normal

[187]: newtestdata/26post3\_2.wav -> Normal

[188]: newtestdata/26post3\_3.wav -> Normal

[189]: newtestdata/26post4\_1.wav -> Normal

[190]: newtestdata/26post4\_2.wav -> Normal

[191]: newtestdata/26post4\_3.wav -> Normal

[192]: newtestdata/27post1\_1.wav -> Normal

[193]: newtestdata/27post1\_2.wav -> Normal

[194]: newtestdata/27post1\_3.wav -> Normal

[195]: newtestdata/27post2\_1.wav -> Normal

[196]: newtestdata/27post2\_2.wav -> Normal

[197]: newtestdata/27post2\_3.wav -> Normal

[198]: newtestdata/27pre1\_1.wav -> Normal

[199]: newtestdata/27pre1\_2.wav -> Normal

[200]: newtestdata/27pre1\_3.wav -> Normal

[201]: newtestdata/27pre2\_1.wav -> Normal

[202]: newtestdata/27pre2\_2.wav -> Normal

[203]: newtestdata/27pre2\_3.wav -> Normal

[204]: newtestdata/28post1\_1.wav -> Normal

[205]: newtestdata/28post1\_2.wav -> Normal

[206]: newtestdata/28post1\_3.wav -> Normal

[207]: newtestdata/28post2\_1.wav -> Normal

[208]: newtestdata/28post2\_2.wav -> Normal

[209]: newtestdata/28post2\_3.wav -> Normal

[210]: newtestdata/28pre1\_1.wav -> Normal

[211]: newtestdata/28pre1\_2.wav -> Normal

[212]: newtestdata/28pre1\_3.wav -> Normal

[213]: newtestdata/28pre2\_1.wav -> Abnormal

[214]: newtestdata/28pre2\_2.wav -> Abnormal

[215]: newtestdata/28pre2\_3.wav -> Normal

[216]: newtestdata/29post1\_1.wav -> Normal

[217]: newtestdata/29post1\_2.wav -> Normal

[218]: newtestdata/29post1\_3.wav -> Abnormal

[219]: newtestdata/29post2\_1.wav -> Normal

[220]: newtestdata/29post2\_2.wav -> Normal

[221]: newtestdata/29post2\_3.wav -> Normal

[222]: newtestdata/29pre1\_1.wav -> Normal

[223]: newtestdata/29pre1\_2.wav -> Normal

[224]: newtestdata/29pre1\_3.wav -> Normal

[225]: newtestdata/29pre2\_1.wav -> Normal

[226]: newtestdata/29pre2\_2.wav -> Normal

[227]: newtestdata/29pre2\_3.wav -> Normal

[228]: newtestdata/2post1\_1.wav -> Normal

[229]: newtestdata/2post1\_2.wav -> Normal

[230]: newtestdata/2post1\_3.wav -> Normal

[231]: newtestdata/2post2\_1.wav -> Normal

[232]: newtestdata/2post2\_2.wav -> Normal

[233]: newtestdata/2post2\_3.wav -> Normal

[234]: newtestdata/2post3\_1.wav -> Normal

[235]: newtestdata/2post3\_2.wav -> Normal

[236]: newtestdata/2post3\_3.wav -> Normal

[237]: newtestdata/2post4\_1.wav -> Normal

[238]: newtestdata/2post4\_2.wav -> Normal

[239]: newtestdata/2post4\_3.wav -> Normal

[240]: newtestdata/30post1\_1.wav -> Normal

[241]: newtestdata/30post1\_2.wav -> Normal

[242]: newtestdata/30post1\_3.wav -> Normal

[243]: newtestdata/30post2\_1.wav -> Normal

[244]: newtestdata/30post2\_2.wav -> Normal

[245]: newtestdata/30post2\_3.wav -> Normal

[246]: newtestdata/30pre1\_1.wav -> Normal

[247]: newtestdata/30pre1\_2.wav -> Normal

[248]: newtestdata/30pre1\_3.wav -> Normal

[249]: newtestdata/30pre2\_1.wav -> Normal

[250]: newtestdata/30pre2\_2.wav -> Normal

[251]: newtestdata/30pre2\_3.wav -> Normal

[252]: newtestdata/31post1\_1.wav -> Normal

[253]: newtestdata/31post1\_2.wav -> Normal

[254]: newtestdata/31post1\_3.wav -> Normal

[255]: newtestdata/31post2\_1.wav -> Normal

[256]: newtestdata/31post2\_2.wav -> Normal

[257]: newtestdata/31post2\_3.wav -> Normal

[258]: newtestdata/31post3\_1.wav -> Normal

[259]: newtestdata/31post3\_2.wav -> Normal

[260]: newtestdata/31post3\_3.wav -> Normal

[261]: newtestdata/31post4\_1.wav -> Normal

[262]: newtestdata/31post4\_2.wav -> Normal

[263]: newtestdata/31post4\_3.wav -> Normal

[264]: newtestdata/32post1\_1.wav -> Normal

[265]: newtestdata/32post1\_2.wav -> Normal

[266]: newtestdata/32post1\_3.wav -> Normal

[267]: newtestdata/32post2\_1.wav -> Normal

[268]: newtestdata/32post2\_2.wav -> Normal

[269]: newtestdata/32post2\_3.wav -> Normal

[270]: newtestdata/32pre1\_1.wav -> Normal

[271]: newtestdata/32pre1\_2.wav -> Normal

[272]: newtestdata/32pre1\_3.wav -> Normal

[273]: newtestdata/32pre2\_1.wav -> Normal

[274]: newtestdata/32pre2\_2.wav -> Normal

[275]: newtestdata/32pre2\_3.wav -> Normal

[276]: newtestdata/33post1\_1.wav -> Normal

[277]: newtestdata/33post1\_2.wav -> Normal

[278]: newtestdata/33post1\_3.wav -> Normal

[279]: newtestdata/33post2\_1.wav -> Normal

[280]: newtestdata/33post2\_2.wav -> Normal

[281]: newtestdata/33post2\_3.wav -> Normal

[282]: newtestdata/33pre1\_1.wav -> Normal

[283]: newtestdata/33pre1\_2.wav -> Normal

[284]: newtestdata/33pre1\_3.wav -> Normal

[285]: newtestdata/33pre2\_1.wav -> Normal

[286]: newtestdata/33pre2\_2.wav -> Normal

[287]: newtestdata/33pre2\_3.wav -> Normal

[288]: newtestdata/34post1\_1.wav -> Normal

[289]: newtestdata/34post1\_2.wav -> Normal

[290]: newtestdata/34post1\_3.wav -> Normal

[291]: newtestdata/34post2\_1.wav -> Normal

[292]: newtestdata/34post2\_2.wav -> Abnormal

[293]: newtestdata/34post2\_3.wav -> Abnormal

[294]: newtestdata/34pre1\_1.wav -> Abnormal

[295]: newtestdata/34pre1\_2.wav -> Abnormal

[296]: newtestdata/34pre1\_3.wav -> Normal

[297]: newtestdata/34pre2\_1.wav -> Normal

[298]: newtestdata/34pre2\_2.wav -> Normal

[299]: newtestdata/34pre2\_3.wav -> Abnormal

[300]: newtestdata/35post1\_1.wav -> Normal

[301]: newtestdata/35post1\_2.wav -> Normal

[302]: newtestdata/35post1\_3.wav -> Normal

[303]: newtestdata/35post2\_1.wav -> Normal

[304]: newtestdata/35post2\_2.wav -> Normal

[305]: newtestdata/35post2\_3.wav -> Abnormal

[306]: newtestdata/35pre1\_1.wav -> Normal

[307]: newtestdata/35pre1\_2.wav -> Normal

[308]: newtestdata/35pre1\_3.wav -> Abnormal

[309]: newtestdata/35pre2\_1.wav -> Normal

[310]: newtestdata/35pre2\_2.wav -> Normal

[311]: newtestdata/35pre2\_3.wav -> Normal

[312]: newtestdata/36post1\_1.wav -> Normal

[313]: newtestdata/36post1\_2.wav -> Normal

[314]: newtestdata/36post1\_3.wav -> Abnormal

[315]: newtestdata/36post2\_1.wav -> Normal

[316]: newtestdata/36post2\_2.wav -> Normal

[317]: newtestdata/36post2\_3.wav -> Normal

[318]: newtestdata/36pre1\_1.wav -> Normal

[319]: newtestdata/36pre1\_2.wav -> Normal

[320]: newtestdata/36pre1\_3.wav -> Normal

[321]: newtestdata/36pre2\_1.wav -> Normal

[322]: newtestdata/36pre2\_2.wav -> Normal

[323]: newtestdata/36pre2\_3.wav -> Abnormal

[324]: newtestdata/37post1\_1.wav -> Abnormal

[325]: newtestdata/37post1\_2.wav -> Abnormal

[326]: newtestdata/37post1\_3.wav -> Abnormal

[327]: newtestdata/37post2\_1.wav -> Normal

[328]: newtestdata/37post2\_2.wav -> Normal

[329]: newtestdata/37post2\_3.wav -> Abnormal

[330]: newtestdata/37pre1\_1.wav -> Normal

[331]: newtestdata/37pre1\_2.wav -> Abnormal

[332]: newtestdata/37pre1\_3.wav -> Abnormal

[333]: newtestdata/37pre2\_1.wav -> Abnormal

[334]: newtestdata/37pre2\_2.wav -> Abnormal

[335]: newtestdata/37pre2\_3.wav -> Abnormal

[336]: newtestdata/38post1\_1.wav -> Normal

[337]: newtestdata/38post1\_2.wav -> Normal

[338]: newtestdata/38post1\_3.wav -> Normal

[339]: newtestdata/38post2\_1.wav -> Normal

[340]: newtestdata/38post2\_2.wav -> Normal

[341]: newtestdata/38post2\_3.wav -> Normal

[342]: newtestdata/38pre1\_1.wav -> Normal

[343]: newtestdata/38pre1\_2.wav -> Normal

[344]: newtestdata/38pre1\_3.wav -> Normal

[345]: newtestdata/38pre2\_1.wav -> Normal

[346]: newtestdata/38pre2\_2.wav -> Normal

[347]: newtestdata/38pre2\_3.wav -> Normal

[348]: newtestdata/39post1\_1.wav -> Normal

[349]: newtestdata/39post1\_2.wav -> Normal

[350]: newtestdata/39post1\_3.wav -> Normal

[351]: newtestdata/39post2\_1.wav -> Normal

[352]: newtestdata/39post2\_2.wav -> Normal

[353]: newtestdata/39post2\_3.wav -> Normal

[354]: newtestdata/39pre1\_1.wav -> Normal

[355]: newtestdata/39pre1\_2.wav -> Normal

[356]: newtestdata/39pre1\_3.wav -> Normal

[357]: newtestdata/39pre2\_1.wav -> Normal

[358]: newtestdata/39pre2\_2.wav -> Normal

[359]: newtestdata/39pre2\_3.wav -> Normal

[360]: newtestdata/3post1\_1.wav -> Normal

[361]: newtestdata/3post1\_2.wav -> Normal

[362]: newtestdata/3post1\_3.wav -> Normal

[363]: newtestdata/3post2\_1.wav -> Normal

[364]: newtestdata/3post2\_2.wav -> Normal

[365]: newtestdata/3post2\_3.wav -> Normal

[366]: newtestdata/3pre1\_1.wav -> Normal

[367]: newtestdata/3pre1\_2.wav -> Normal

[368]: newtestdata/3pre1\_3.wav -> Normal

[369]: newtestdata/3pre2\_1.wav -> Normal

[370]: newtestdata/3pre2\_2.wav -> Normal

[371]: newtestdata/3pre2\_3.wav -> Normal

[372]: newtestdata/40post1\_1.wav -> Normal

[373]: newtestdata/40post1\_2.wav -> Normal

[374]: newtestdata/40post1\_3.wav -> Normal

[375]: newtestdata/40post2\_1.wav -> Normal

[376]: newtestdata/40post2\_2.wav -> Normal

[377]: newtestdata/40post2\_3.wav -> Normal

[378]: newtestdata/40pre1\_1.wav -> Normal

[379]: newtestdata/40pre1\_2.wav -> Abnormal

[380]: newtestdata/40pre1\_3.wav -> Normal

[381]: newtestdata/40pre2\_1.wav -> Normal

[382]: newtestdata/40pre2\_2.wav -> Normal

[383]: newtestdata/40pre2\_3.wav -> Normal

[384]: newtestdata/4post1\_1.wav -> Normal

[385]: newtestdata/4post1\_2.wav -> Normal

[386]: newtestdata/4post1\_3.wav -> Normal

[387]: newtestdata/4post2\_1.wav -> Normal

[388]: newtestdata/4post2\_2.wav -> Normal

[389]: newtestdata/4post2\_3.wav -> Normal

[390]: newtestdata/4pre1\_1.wav -> Normal

[391]: newtestdata/4pre1\_2.wav -> Normal

[392]: newtestdata/4pre1\_3.wav -> Normal

[393]: newtestdata/4pre2\_1.wav -> Normal

[394]: newtestdata/4pre2\_2.wav -> Normal

[395]: newtestdata/4pre2\_3.wav -> Normal

[396]: newtestdata/5post1\_1.wav -> Normal

[397]: newtestdata/5post1\_2.wav -> Normal

[398]: newtestdata/5post1\_3.wav -> Normal

[399]: newtestdata/5post2\_1.wav -> Normal

[400]: newtestdata/5post2\_2.wav -> Normal

[401]: newtestdata/5post2\_3.wav -> Normal

[402]: newtestdata/6post1\_1.wav -> Normal

[403]: newtestdata/6post1\_2.wav -> Normal

[404]: newtestdata/6post1\_3.wav -> Normal

[405]: newtestdata/6post2\_1.wav -> Normal

[406]: newtestdata/6post2\_2.wav -> Normal

[407]: newtestdata/6post2\_3.wav -> Normal

[408]: newtestdata/6pre1\_1.wav -> Normal

[409]: newtestdata/6pre1\_2.wav -> Normal

[410]: newtestdata/6pre1\_3.wav -> Normal

[411]: newtestdata/6pre2\_1.wav -> Abnormal

[412]: newtestdata/6pre2\_2.wav -> Normal

[413]: newtestdata/6pre2\_3.wav -> Normal

[414]: newtestdata/7post1\_1.wav -> Abnormal

[415]: newtestdata/7post1\_2.wav -> Normal

[416]: newtestdata/7post1\_3.wav -> Abnormal

[417]: newtestdata/7post2\_1.wav -> Abnormal

[418]: newtestdata/7post2\_2.wav -> Abnormal

[419]: newtestdata/7post2\_3.wav -> Abnormal

[420]: newtestdata/7pre1\_1.wav -> Abnormal

[421]: newtestdata/7pre1\_2.wav -> Abnormal

[422]: newtestdata/7pre1\_3.wav -> Abnormal

[423]: newtestdata/7pre2\_1.wav -> Normal

[424]: newtestdata/7pre2\_2.wav -> Abnormal

[425]: newtestdata/7pre2\_3.wav -> Abnormal

[426]: newtestdata/8post1\_1.wav -> Abnormal

[427]: newtestdata/8post1\_2.wav -> Abnormal

[428]: newtestdata/8post1\_3.wav -> Abnormal

[429]: newtestdata/8post2\_1.wav -> Abnormal

[430]: newtestdata/8post2\_2.wav -> Abnormal

[431]: newtestdata/8post2\_3.wav -> Abnormal

[432]: newtestdata/8pre1\_1.wav -> Normal

[433]: newtestdata/8pre1\_2.wav -> Normal

[434]: newtestdata/8pre1\_3.wav -> Normal

[435]: newtestdata/8pre2\_1.wav -> Abnormal

[436]: newtestdata/8pre2\_2.wav -> Abnormal

[437]: newtestdata/8pre2\_3.wav -> Abnormal

[438]: newtestdata/9post1\_1.wav -> Normal

[439]: newtestdata/9post1\_2.wav -> Normal

[440]: newtestdata/9post1\_3.wav -> Normal

[441]: newtestdata/9post2\_1.wav -> Normal

[442]: newtestdata/9post2\_2.wav -> Normal

[443]: newtestdata/9post2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '\_', 'v', 'a', 'l', 'i', 'd', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/a'

datafolder 'data/test\_data/l'

datafolder 'data/test\_data/i'

datafolder 'data/test\_data/d'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.16sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.78sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '\_', 'v', 'a', 'l', 'i', 'd', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/a'

datafolder 'data/test\_data/l'

datafolder 'data/test\_data/i'

datafolder 'data/test\_data/d'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 15795, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.09sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.76sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 444, num\_patient 40

WARNING:root:frame length (12000) is greater than FFT size (2048), frame will be truncated. Increase NFFT to avoid.

processFeatures: count=444, failed=0

processFeatures 5.04sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/10post1\_1.wav -> Normal

[1]: newtestdata/10post1\_2.wav -> Normal

[2]: newtestdata/10post1\_3.wav -> Normal

[3]: newtestdata/10post2\_1.wav -> Normal

[4]: newtestdata/10post2\_2.wav -> Normal

[5]: newtestdata/10post2\_3.wav -> Normal

[6]: newtestdata/10post3\_1.wav -> Normal

[7]: newtestdata/10post3\_2.wav -> Normal

[8]: newtestdata/10post3\_3.wav -> Normal

[9]: newtestdata/10post4\_1.wav -> Normal

[10]: newtestdata/10post4\_2.wav -> Normal

[11]: newtestdata/10post4\_3.wav -> Normal

[12]: newtestdata/11post1\_1.wav -> Normal

[13]: newtestdata/11post1\_2.wav -> Normal

[14]: newtestdata/11post1\_3.wav -> Normal

[15]: newtestdata/11post2\_1.wav -> Normal

[16]: newtestdata/11post2\_2.wav -> Normal

[17]: newtestdata/11post2\_3.wav -> Normal

[18]: newtestdata/11pre1\_1.wav -> Normal

[19]: newtestdata/11pre1\_2.wav -> Normal

[20]: newtestdata/11pre1\_3.wav -> Normal

[21]: newtestdata/11pre2\_1.wav -> Normal

[22]: newtestdata/11pre2\_2.wav -> Normal

[23]: newtestdata/11pre2\_3.wav -> Normal

[24]: newtestdata/12post1\_1.wav -> Normal

[25]: newtestdata/12post1\_2.wav -> Normal

[26]: newtestdata/12post1\_3.wav -> Normal

[27]: newtestdata/12post2\_1.wav -> Abnormal

[28]: newtestdata/12post2\_2.wav -> Abnormal

[29]: newtestdata/12post2\_3.wav -> Normal

[30]: newtestdata/12pre1\_1.wav -> Normal

[31]: newtestdata/12pre1\_2.wav -> Normal

[32]: newtestdata/12pre1\_3.wav -> Normal

[33]: newtestdata/12pre2\_1.wav -> Abnormal

[34]: newtestdata/12pre2\_2.wav -> Abnormal

[35]: newtestdata/12pre2\_3.wav -> Abnormal

[36]: newtestdata/13post1\_1.wav -> Normal

[37]: newtestdata/13post1\_2.wav -> Normal

[38]: newtestdata/13post1\_3.wav -> Normal

[39]: newtestdata/13post2\_1.wav -> Normal

[40]: newtestdata/13post2\_2.wav -> Normal

[41]: newtestdata/13post2\_3.wav -> Normal

[42]: newtestdata/13pre1\_1.wav -> Abnormal

[43]: newtestdata/13pre1\_2.wav -> Abnormal

[44]: newtestdata/13pre1\_3.wav -> Normal

[45]: newtestdata/13pre2\_1.wav -> Normal

[46]: newtestdata/13pre2\_2.wav -> Normal

[47]: newtestdata/13pre2\_3.wav -> Normal

[48]: newtestdata/14post1\_1.wav -> Normal

[49]: newtestdata/14post1\_2.wav -> Normal

[50]: newtestdata/14post1\_3.wav -> Normal

[51]: newtestdata/14post2\_1.wav -> Normal

[52]: newtestdata/14post2\_2.wav -> Normal

[53]: newtestdata/14post2\_3.wav -> Normal

[54]: newtestdata/14post3\_1.wav -> Normal

[55]: newtestdata/14post3\_2.wav -> Normal

[56]: newtestdata/14post3\_3.wav -> Normal

[57]: newtestdata/14post4\_1.wav -> Normal

[58]: newtestdata/14post4\_2.wav -> Normal

[59]: newtestdata/14post4\_3.wav -> Normal

[60]: newtestdata/15post1\_1.wav -> Normal

[61]: newtestdata/15post1\_2.wav -> Normal

[62]: newtestdata/15post1\_3.wav -> Abnormal

[63]: newtestdata/15post2\_1.wav -> Normal

[64]: newtestdata/15post2\_2.wav -> Abnormal

[65]: newtestdata/15post2\_3.wav -> Normal

[66]: newtestdata/15pre1\_1.wav -> Abnormal

[67]: newtestdata/15pre1\_2.wav -> Abnormal

[68]: newtestdata/15pre1\_3.wav -> Abnormal

[69]: newtestdata/15pre2\_1.wav -> Normal

[70]: newtestdata/15pre2\_2.wav -> Normal

[71]: newtestdata/15pre2\_3.wav -> Normal

[72]: newtestdata/16post1\_1.wav -> Normal

[73]: newtestdata/16post1\_2.wav -> Normal

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[76]: newtestdata/16post2\_2.wav -> Normal

[77]: newtestdata/16post2\_3.wav -> Normal

[78]: newtestdata/17post1\_1.wav -> Normal

[79]: newtestdata/17post1\_2.wav -> Normal

[80]: newtestdata/17post1\_3.wav -> Normal

[81]: newtestdata/17post2\_1.wav -> Normal

[82]: newtestdata/17post2\_2.wav -> Normal

[83]: newtestdata/17post2\_3.wav -> Normal

[84]: newtestdata/18post1\_1.wav -> Abnormal

[85]: newtestdata/18post1\_2.wav -> Normal

[86]: newtestdata/18post1\_3.wav -> Normal

[87]: newtestdata/18post2\_1.wav -> Normal

[88]: newtestdata/18post2\_2.wav -> Normal

[89]: newtestdata/18post2\_3.wav -> Normal

[90]: newtestdata/18pre1\_1.wav -> Normal

[91]: newtestdata/18pre1\_2.wav -> Normal

[92]: newtestdata/18pre1\_3.wav -> Normal

[93]: newtestdata/18pre2\_1.wav -> Normal

[94]: newtestdata/18pre2\_2.wav -> Normal

[95]: newtestdata/18pre2\_3.wav -> Normal

[96]: newtestdata/19post1\_1.wav -> Normal

[97]: newtestdata/19post1\_2.wav -> Normal

[98]: newtestdata/19post1\_3.wav -> Normal

[99]: newtestdata/19post2\_1.wav -> Normal

[100]: newtestdata/19post2\_2.wav -> Normal

[101]: newtestdata/19post2\_3.wav -> Normal

[102]: newtestdata/19post3\_1.wav -> Normal

[103]: newtestdata/19post3\_2.wav -> Normal

[104]: newtestdata/19post3\_3.wav -> Normal

[105]: newtestdata/19post4\_1.wav -> Normal

[106]: newtestdata/19post4\_2.wav -> Normal

[107]: newtestdata/19post4\_3.wav -> Normal

[108]: newtestdata/1post1\_1.wav -> Normal

[109]: newtestdata/1post1\_2.wav -> Normal

[110]: newtestdata/1post1\_3.wav -> Normal

[111]: newtestdata/1post2\_1.wav -> Normal

[112]: newtestdata/1post2\_2.wav -> Normal

[113]: newtestdata/1post2\_3.wav -> Normal

[114]: newtestdata/1pre1\_1.wav -> Normal

[115]: newtestdata/1pre1\_2.wav -> Normal

[116]: newtestdata/1pre1\_3.wav -> Normal

[117]: newtestdata/1pre2\_1.wav -> Normal

[118]: newtestdata/1pre2\_2.wav -> Normal

[119]: newtestdata/1pre2\_3.wav -> Normal

[120]: newtestdata/20post1\_1.wav -> Normal

[121]: newtestdata/20post1\_2.wav -> Normal

[122]: newtestdata/20post1\_3.wav -> Normal

[123]: newtestdata/20post2\_1.wav -> Normal

[124]: newtestdata/20post2\_2.wav -> Normal

[125]: newtestdata/20post2\_3.wav -> Normal

[126]: newtestdata/20pre1\_1.wav -> Normal

[127]: newtestdata/20pre1\_2.wav -> Normal

[128]: newtestdata/20pre1\_3.wav -> Normal

[129]: newtestdata/20pre2\_1.wav -> Normal

[130]: newtestdata/20pre2\_2.wav -> Normal

[131]: newtestdata/20pre2\_3.wav -> Normal

[132]: newtestdata/21post1\_1.wav -> Normal

[133]: newtestdata/21post1\_2.wav -> Normal

[134]: newtestdata/21post1\_3.wav -> Normal

[135]: newtestdata/21post2\_1.wav -> Normal

[136]: newtestdata/21post2\_2.wav -> Normal

[137]: newtestdata/21post2\_3.wav -> Normal

[138]: newtestdata/21pre1\_1.wav -> Normal

[139]: newtestdata/21pre1\_2.wav -> Normal

[140]: newtestdata/21pre1\_3.wav -> Normal

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[142]: newtestdata/21pre2\_2.wav -> Normal

[143]: newtestdata/21pre2\_3.wav -> Normal

[144]: newtestdata/22post1\_1.wav -> Normal

[145]: newtestdata/22post1\_2.wav -> Normal

[146]: newtestdata/22post1\_3.wav -> Normal

[147]: newtestdata/22post2\_1.wav -> Normal

[148]: newtestdata/22post2\_2.wav -> Abnormal

[149]: newtestdata/22post2\_3.wav -> Normal

[150]: newtestdata/22post3\_1.wav -> Normal

[151]: newtestdata/22post3\_2.wav -> Normal

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[154]: newtestdata/22post4\_2.wav -> Abnormal

[155]: newtestdata/22post4\_3.wav -> Abnormal

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[158]: newtestdata/23post1\_3.wav -> Normal

[159]: newtestdata/23post2\_1.wav -> Abnormal

[160]: newtestdata/23post2\_2.wav -> Abnormal

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[163]: newtestdata/24post1\_2.wav -> Abnormal

[164]: newtestdata/24post1\_3.wav -> Normal

[165]: newtestdata/24post2\_1.wav -> Normal

[166]: newtestdata/24post2\_2.wav -> Normal

[167]: newtestdata/24post2\_3.wav -> Normal

[168]: newtestdata/25post1\_1.wav -> Normal

[169]: newtestdata/25post1\_2.wav -> Normal

[170]: newtestdata/25post1\_3.wav -> Normal

[171]: newtestdata/25post2\_1.wav -> Normal

[172]: newtestdata/25post2\_2.wav -> Normal

[173]: newtestdata/25post2\_3.wav -> Normal

[174]: newtestdata/25pre1\_1.wav -> Normal

[175]: newtestdata/25pre1\_2.wav -> Normal

[176]: newtestdata/25pre1\_3.wav -> Normal

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[178]: newtestdata/25pre2\_2.wav -> Normal

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[182]: newtestdata/26post1\_3.wav -> Normal

[183]: newtestdata/26post2\_1.wav -> Normal

[184]: newtestdata/26post2\_2.wav -> Abnormal

[185]: newtestdata/26post2\_3.wav -> Normal

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[187]: newtestdata/26post3\_2.wav -> Normal

[188]: newtestdata/26post3\_3.wav -> Normal

[189]: newtestdata/26post4\_1.wav -> Normal

[190]: newtestdata/26post4\_2.wav -> Normal

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[193]: newtestdata/27post1\_2.wav -> Normal

[194]: newtestdata/27post1\_3.wav -> Abnormal

[195]: newtestdata/27post2\_1.wav -> Normal

[196]: newtestdata/27post2\_2.wav -> Normal

[197]: newtestdata/27post2\_3.wav -> Normal

[198]: newtestdata/27pre1\_1.wav -> Normal

[199]: newtestdata/27pre1\_2.wav -> Normal

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[201]: newtestdata/27pre2\_1.wav -> Normal

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[203]: newtestdata/27pre2\_3.wav -> Normal

[204]: newtestdata/28post1\_1.wav -> Normal

[205]: newtestdata/28post1\_2.wav -> Normal

[206]: newtestdata/28post1\_3.wav -> Normal

[207]: newtestdata/28post2\_1.wav -> Normal

[208]: newtestdata/28post2\_2.wav -> Normal

[209]: newtestdata/28post2\_3.wav -> Normal

[210]: newtestdata/28pre1\_1.wav -> Normal

[211]: newtestdata/28pre1\_2.wav -> Normal

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[217]: newtestdata/29post1\_2.wav -> Abnormal

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[221]: newtestdata/29post2\_3.wav -> Normal

[222]: newtestdata/29pre1\_1.wav -> Normal

[223]: newtestdata/29pre1\_2.wav -> Abnormal

[224]: newtestdata/29pre1\_3.wav -> Abnormal

[225]: newtestdata/29pre2\_1.wav -> Abnormal

[226]: newtestdata/29pre2\_2.wav -> Abnormal

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[228]: newtestdata/2post1\_1.wav -> Normal

[229]: newtestdata/2post1\_2.wav -> Normal

[230]: newtestdata/2post1\_3.wav -> Normal

[231]: newtestdata/2post2\_1.wav -> Normal

[232]: newtestdata/2post2\_2.wav -> Normal

[233]: newtestdata/2post2\_3.wav -> Normal

[234]: newtestdata/2post3\_1.wav -> Abnormal

[235]: newtestdata/2post3\_2.wav -> Normal

[236]: newtestdata/2post3\_3.wav -> Abnormal

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[238]: newtestdata/2post4\_2.wav -> Normal

[239]: newtestdata/2post4\_3.wav -> Normal

[240]: newtestdata/30post1\_1.wav -> Normal

[241]: newtestdata/30post1\_2.wav -> Normal

[242]: newtestdata/30post1\_3.wav -> Normal

[243]: newtestdata/30post2\_1.wav -> Normal

[244]: newtestdata/30post2\_2.wav -> Normal

[245]: newtestdata/30post2\_3.wav -> Normal

[246]: newtestdata/30pre1\_1.wav -> Normal

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[248]: newtestdata/30pre1\_3.wav -> Normal

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[252]: newtestdata/31post1\_1.wav -> Normal

[253]: newtestdata/31post1\_2.wav -> Normal

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[256]: newtestdata/31post2\_2.wav -> Abnormal

[257]: newtestdata/31post2\_3.wav -> Normal

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[264]: newtestdata/32post1\_1.wav -> Normal

[265]: newtestdata/32post1\_2.wav -> Normal

[266]: newtestdata/32post1\_3.wav -> Normal

[267]: newtestdata/32post2\_1.wav -> Normal

[268]: newtestdata/32post2\_2.wav -> Normal

[269]: newtestdata/32post2\_3.wav -> Normal

[270]: newtestdata/32pre1\_1.wav -> Normal

[271]: newtestdata/32pre1\_2.wav -> Normal

[272]: newtestdata/32pre1\_3.wav -> Normal

[273]: newtestdata/32pre2\_1.wav -> Normal

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[278]: newtestdata/33post1\_3.wav -> Normal

[279]: newtestdata/33post2\_1.wav -> Abnormal

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[282]: newtestdata/33pre1\_1.wav -> Normal

[283]: newtestdata/33pre1\_2.wav -> Normal

[284]: newtestdata/33pre1\_3.wav -> Normal

[285]: newtestdata/33pre2\_1.wav -> Normal

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[288]: newtestdata/34post1\_1.wav -> Normal

[289]: newtestdata/34post1\_2.wav -> Normal

[290]: newtestdata/34post1\_3.wav -> Normal

[291]: newtestdata/34post2\_1.wav -> Normal

[292]: newtestdata/34post2\_2.wav -> Abnormal

[293]: newtestdata/34post2\_3.wav -> Normal

[294]: newtestdata/34pre1\_1.wav -> Normal

[295]: newtestdata/34pre1\_2.wav -> Normal

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[297]: newtestdata/34pre2\_1.wav -> Normal

[298]: newtestdata/34pre2\_2.wav -> Normal

[299]: newtestdata/34pre2\_3.wav -> Abnormal

[300]: newtestdata/35post1\_1.wav -> Normal

[301]: newtestdata/35post1\_2.wav -> Normal

[302]: newtestdata/35post1\_3.wav -> Normal

[303]: newtestdata/35post2\_1.wav -> Normal

[304]: newtestdata/35post2\_2.wav -> Normal

[305]: newtestdata/35post2\_3.wav -> Abnormal

[306]: newtestdata/35pre1\_1.wav -> Normal

[307]: newtestdata/35pre1\_2.wav -> Normal

[308]: newtestdata/35pre1\_3.wav -> Abnormal

[309]: newtestdata/35pre2\_1.wav -> Normal

[310]: newtestdata/35pre2\_2.wav -> Normal

[311]: newtestdata/35pre2\_3.wav -> Normal

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[313]: newtestdata/36post1\_2.wav -> Normal

[314]: newtestdata/36post1\_3.wav -> Normal

[315]: newtestdata/36post2\_1.wav -> Abnormal

[316]: newtestdata/36post2\_2.wav -> Normal

[317]: newtestdata/36post2\_3.wav -> Abnormal

[318]: newtestdata/36pre1\_1.wav -> Normal

[319]: newtestdata/36pre1\_2.wav -> Normal

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[321]: newtestdata/36pre2\_1.wav -> Normal

[322]: newtestdata/36pre2\_2.wav -> Normal

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[325]: newtestdata/37post1\_2.wav -> Normal

[326]: newtestdata/37post1\_3.wav -> Normal

[327]: newtestdata/37post2\_1.wav -> Normal

[328]: newtestdata/37post2\_2.wav -> Normal

[329]: newtestdata/37post2\_3.wav -> Normal

[330]: newtestdata/37pre1\_1.wav -> Normal

[331]: newtestdata/37pre1\_2.wav -> Normal

[332]: newtestdata/37pre1\_3.wav -> Abnormal

[333]: newtestdata/37pre2\_1.wav -> Normal

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[337]: newtestdata/38post1\_2.wav -> Normal

[338]: newtestdata/38post1\_3.wav -> Normal

[339]: newtestdata/38post2\_1.wav -> Normal

[340]: newtestdata/38post2\_2.wav -> Normal

[341]: newtestdata/38post2\_3.wav -> Normal

[342]: newtestdata/38pre1\_1.wav -> Normal

[343]: newtestdata/38pre1\_2.wav -> Normal

[344]: newtestdata/38pre1\_3.wav -> Normal

[345]: newtestdata/38pre2\_1.wav -> Normal

[346]: newtestdata/38pre2\_2.wav -> Normal

[347]: newtestdata/38pre2\_3.wav -> Normal

[348]: newtestdata/39post1\_1.wav -> Normal

[349]: newtestdata/39post1\_2.wav -> Normal

[350]: newtestdata/39post1\_3.wav -> Normal

[351]: newtestdata/39post2\_1.wav -> Normal

[352]: newtestdata/39post2\_2.wav -> Normal

[353]: newtestdata/39post2\_3.wav -> Normal

[354]: newtestdata/39pre1\_1.wav -> Normal

[355]: newtestdata/39pre1\_2.wav -> Normal

[356]: newtestdata/39pre1\_3.wav -> Normal

[357]: newtestdata/39pre2\_1.wav -> Normal

[358]: newtestdata/39pre2\_2.wav -> Abnormal

[359]: newtestdata/39pre2\_3.wav -> Abnormal

[360]: newtestdata/3post1\_1.wav -> Normal

[361]: newtestdata/3post1\_2.wav -> Normal

[362]: newtestdata/3post1\_3.wav -> Normal

[363]: newtestdata/3post2\_1.wav -> Normal

[364]: newtestdata/3post2\_2.wav -> Abnormal

[365]: newtestdata/3post2\_3.wav -> Abnormal

[366]: newtestdata/3pre1\_1.wav -> Normal

[367]: newtestdata/3pre1\_2.wav -> Normal

[368]: newtestdata/3pre1\_3.wav -> Normal

[369]: newtestdata/3pre2\_1.wav -> Abnormal

[370]: newtestdata/3pre2\_2.wav -> Normal

[371]: newtestdata/3pre2\_3.wav -> Abnormal

[372]: newtestdata/40post1\_1.wav -> Normal

[373]: newtestdata/40post1\_2.wav -> Abnormal

[374]: newtestdata/40post1\_3.wav -> Normal

[375]: newtestdata/40post2\_1.wav -> Abnormal

[376]: newtestdata/40post2\_2.wav -> Normal

[377]: newtestdata/40post2\_3.wav -> Normal

[378]: newtestdata/40pre1\_1.wav -> Abnormal

[379]: newtestdata/40pre1\_2.wav -> Abnormal

[380]: newtestdata/40pre1\_3.wav -> Normal

[381]: newtestdata/40pre2\_1.wav -> Abnormal

[382]: newtestdata/40pre2\_2.wav -> Normal

[383]: newtestdata/40pre2\_3.wav -> Normal

[384]: newtestdata/4post1\_1.wav -> Abnormal

[385]: newtestdata/4post1\_2.wav -> Normal

[386]: newtestdata/4post1\_3.wav -> Normal

[387]: newtestdata/4post2\_1.wav -> Normal

[388]: newtestdata/4post2\_2.wav -> Normal

[389]: newtestdata/4post2\_3.wav -> Normal

[390]: newtestdata/4pre1\_1.wav -> Normal

[391]: newtestdata/4pre1\_2.wav -> Normal

[392]: newtestdata/4pre1\_3.wav -> Normal

[393]: newtestdata/4pre2\_1.wav -> Abnormal

[394]: newtestdata/4pre2\_2.wav -> Abnormal

[395]: newtestdata/4pre2\_3.wav -> Abnormal

[396]: newtestdata/5post1\_1.wav -> Normal

[397]: newtestdata/5post1\_2.wav -> Normal

[398]: newtestdata/5post1\_3.wav -> Normal

[399]: newtestdata/5post2\_1.wav -> Normal

[400]: newtestdata/5post2\_2.wav -> Normal

[401]: newtestdata/5post2\_3.wav -> Normal

[402]: newtestdata/6post1\_1.wav -> Normal

[403]: newtestdata/6post1\_2.wav -> Normal

[404]: newtestdata/6post1\_3.wav -> Normal

[405]: newtestdata/6post2\_1.wav -> Normal

[406]: newtestdata/6post2\_2.wav -> Normal

[407]: newtestdata/6post2\_3.wav -> Normal

[408]: newtestdata/6pre1\_1.wav -> Abnormal

[409]: newtestdata/6pre1\_2.wav -> Abnormal

[410]: newtestdata/6pre1\_3.wav -> Normal

[411]: newtestdata/6pre2\_1.wav -> Normal

[412]: newtestdata/6pre2\_2.wav -> Normal

[413]: newtestdata/6pre2\_3.wav -> Normal

[414]: newtestdata/7post1\_1.wav -> Abnormal

[415]: newtestdata/7post1\_2.wav -> Normal

[416]: newtestdata/7post1\_3.wav -> Normal

[417]: newtestdata/7post2\_1.wav -> Abnormal

[418]: newtestdata/7post2\_2.wav -> Normal

[419]: newtestdata/7post2\_3.wav -> Abnormal

[420]: newtestdata/7pre1\_1.wav -> Abnormal

[421]: newtestdata/7pre1\_2.wav -> Abnormal

[422]: newtestdata/7pre1\_3.wav -> Normal

[423]: newtestdata/7pre2\_1.wav -> Abnormal

[424]: newtestdata/7pre2\_2.wav -> Normal

[425]: newtestdata/7pre2\_3.wav -> Normal

[426]: newtestdata/8post1\_1.wav -> Abnormal

[427]: newtestdata/8post1\_2.wav -> Abnormal

[428]: newtestdata/8post1\_3.wav -> Abnormal

[429]: newtestdata/8post2\_1.wav -> Abnormal

[430]: newtestdata/8post2\_2.wav -> Abnormal

[431]: newtestdata/8post2\_3.wav -> Abnormal

[432]: newtestdata/8pre1\_1.wav -> Abnormal

[433]: newtestdata/8pre1\_2.wav -> Abnormal

[434]: newtestdata/8pre1\_3.wav -> Abnormal

[435]: newtestdata/8pre2\_1.wav -> Normal

[436]: newtestdata/8pre2\_2.wav -> Abnormal

[437]: newtestdata/8pre2\_3.wav -> Abnormal

[438]: newtestdata/9post1\_1.wav -> Normal

[439]: newtestdata/9post1\_2.wav -> Abnormal

[440]: newtestdata/9post1\_3.wav -> Normal

[441]: newtestdata/9post2\_1.wav -> Normal

[442]: newtestdata/9post2\_2.wav -> Normal

[443]: newtestdata/9post2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.09sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.99sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/1post1\_1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17124, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.11sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.77sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/1post1\_1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17124, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.48sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.72sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/1post1\_2.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17124, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.76sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.72sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/4pre1\_1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 8.99sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.76sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/4pre1\_1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17124, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.69sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.78sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/3pre1\_2.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.22sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.73sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.06sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/86pre1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17124, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.33sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.75sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/86pre1\_1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.29sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.77sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 1, num\_patient 1

processFeatures: count=1, failed=0

processFeatures 0.01sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/86pre1\_1.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.57sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.81sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 6, num\_patient 1

processFeatures: count=6, failed=0

processFeatures 0.09sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/86pre1\_1.wav -> Normal

[1]: newtestdata/86pre1\_2.wav -> Normal

[2]: newtestdata/86pre1\_3.wav -> Normal

[3]: newtestdata/86pre2\_1.wav -> Normal

[4]: newtestdata/86pre2\_2.wav -> Normal

[5]: newtestdata/86pre2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.31sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.76sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 6, num\_patient 1

processFeatures: count=6, failed=0

processFeatures 0.07sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/93pre1\_1.wav -> Abnormal

[1]: newtestdata/93pre1\_2.wav -> Normal

[2]: newtestdata/93pre1\_3.wav -> Normal

[3]: newtestdata/93pre2\_1.wav -> Normal

[4]: newtestdata/93pre2\_2.wav -> Abnormal

[5]: newtestdata/93pre2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.03sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.78sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 2, num\_patient 1

processFeatures: count=2, failed=0

processFeatures 0.18sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/93pre1.wav -> Abnormal

[1]: newtestdata/93pre2.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '\_', 'v', 'a', 'l', 'i', 'd', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/a'

datafolder 'data/test\_data/l'

datafolder 'data/test\_data/i'

datafolder 'data/test\_data/d'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.24sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.77sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 2, num\_patient 1

processFeatures: count=2, failed=0

processFeatures 0.02sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/93pre1\_1.wav -> Abnormal

[1]: newtestdata/93pre2\_2.wav -> Abnormal

(myvenv) Andys-MacBook-Air:audio4video andy$ python processWav.py

Namespace(dataset=['[', 'm', '\_', '3', 'm', '\_', '3', 's', '\_', 'v', 'a', 'l', 'i', 'd', '/', ',', 'm', '\_', 'v', '1', '\_', '4', 'k', '\_', '3', 's', '/', ',', 'm', '\_', 'v', '2', '\_', '4', 'k', '\_', '3', 's', '/', ']'], model='GradientBoost', model\_path='models/', output\_path='output/', run\_on\_test=True, threads=1)

datafolder 'data/test\_data/['

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/a'

datafolder 'data/test\_data/l'

datafolder 'data/test\_data/i'

datafolder 'data/test\_data/d'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/1'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/,'

datafolder 'data/test\_data/m'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/v'

datafolder 'data/test\_data/2'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/4'

datafolder 'data/test\_data/k'

datafolder 'data/test\_data/\_'

datafolder 'data/test\_data/3'

datafolder 'data/test\_data/s'

datafolder 'data/test\_data//'

datafolder 'data/test\_data/]'

numsamples 17127, num\_patient 190

Subset Numer:  180

processFeatures: count=180, failed=0

processFeatures 9.09sec

train[subset=[138  42]], oss[[]]

XGBClassifier 0.00sec

xgboost.score 1.0

Accuracy(XGBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

xgt.feature\_importances [0.14771356 0.         0.00949921 0.07726514 0.0873466  0.077231

 0.02684935 0.01450642 0.02291117 0.00475923 0.1903861  0.17345591

 0.11133175 0.01735441 0.03939012]

cross\_val\_score(GradientBoost) 0.76sec mean: 1.000 max 1.000 min 1.000

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

Accuracy(GradientBoost): 100.00%, roc\_auc 100.00, test[[28  8]], confusion:

[[28  0]

 [ 0  8]]

Average precision-recall score: 1.00

wavefile 'data/test\_data/m\_3m/100post1.wav'

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 2, num\_patient 1

processFeatures: count=2, failed=0

processFeatures 0.02sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/93pre1\_1.wav -> Abnormal

[1]: newtestdata/93pre2\_2.wav -> Abnormal

(myvenv) Andys-MacBook-Air:audio4video andy$ python testModel.py

datafolder 'data/newtestdata/'

numsamples 6, num\_patient 1

processFeatures: count=6, failed=0

processFeatures 0.07sec

Loaded 'GradientBoost'

GradientBoostingClassifier(criterion='friedman\_mse', init=None,

              learning\_rate=0.1, loss='deviance', max\_depth=3,

              max\_features=None, max\_leaf\_nodes=None,

              min\_impurity\_decrease=0.0, min\_impurity\_split=None,

              min\_samples\_leaf=1, min\_samples\_split=2,

              min\_weight\_fraction\_leaf=0.0, n\_estimators=100,

              n\_iter\_no\_change=None, presort='auto', random\_state=1234,

              subsample=0.99, tol=0.0001, validation\_fraction=0.1,

              verbose=0, warm\_start=False)

[0]: newtestdata/86pre1\_1.wav -> Normal

[1]: newtestdata/86pre1\_2.wav -> Normal

[2]: newtestdata/86pre1\_3.wav -> Normal

[3]: newtestdata/86pre2\_1.wav -> Normal

[4]: newtestdata/86pre2\_2.wav -> Normal

[5]: newtestdata/86pre2\_3.wav -> Normal

(myvenv) Andys-MacBook-Air:audio4video andy$