Out[3]:

Click here to toggle on/off the raw code.

```
Song 1:
Rachmaninoff - Op. 3_ No. 2 by Idil Biret.mp3
Song 2:
Rachmaninov - Op.3 No.2 by Rachmaninov.mp3
```

```
(663, 13)
(663, 13)
```

Out[10]:

```
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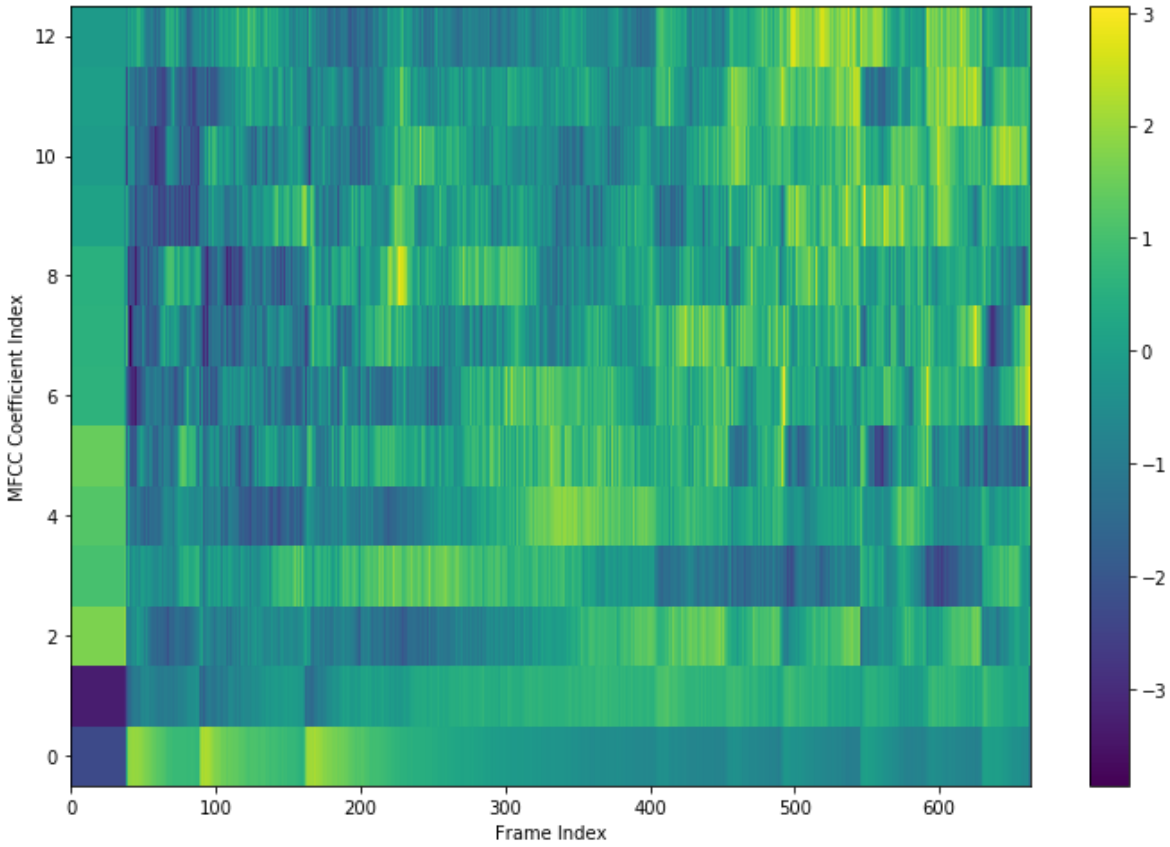
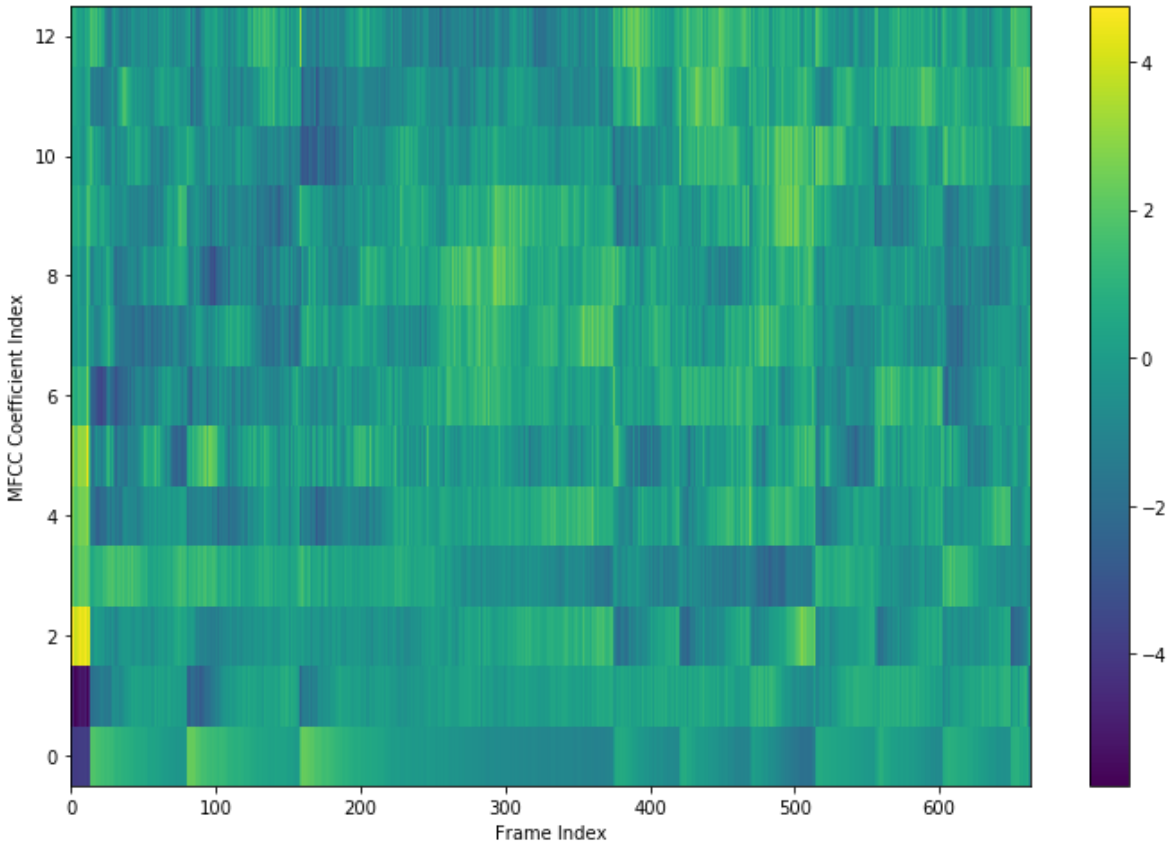
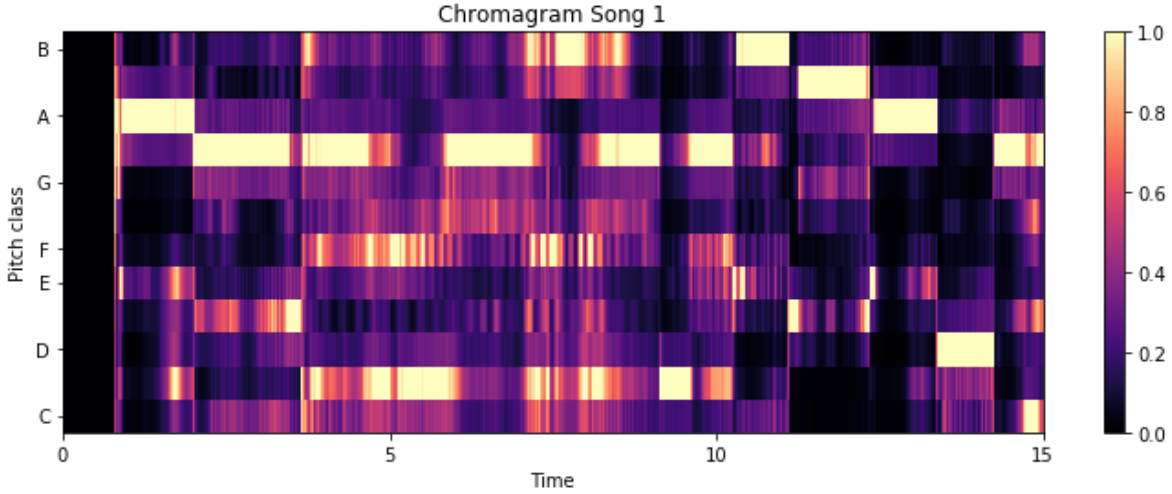
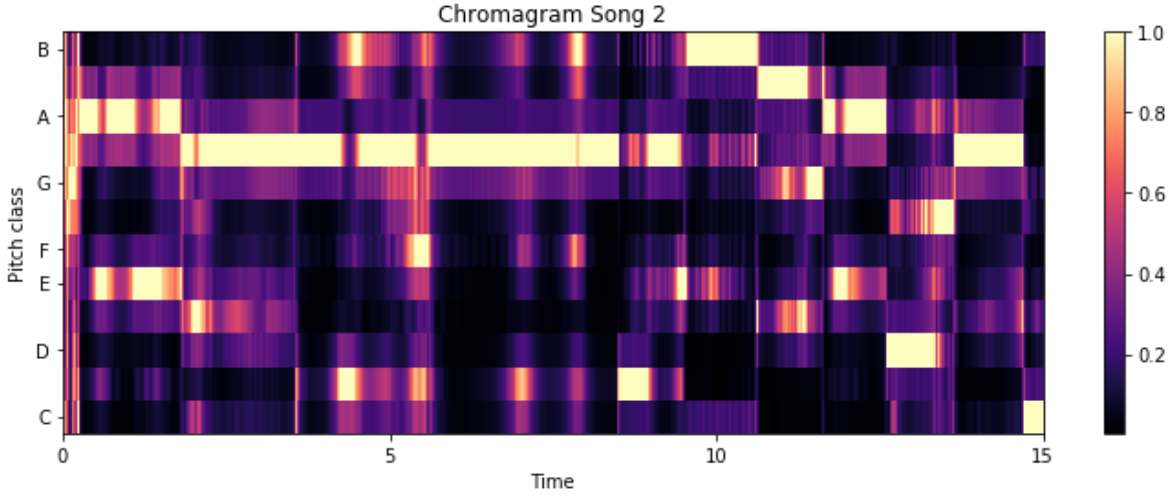
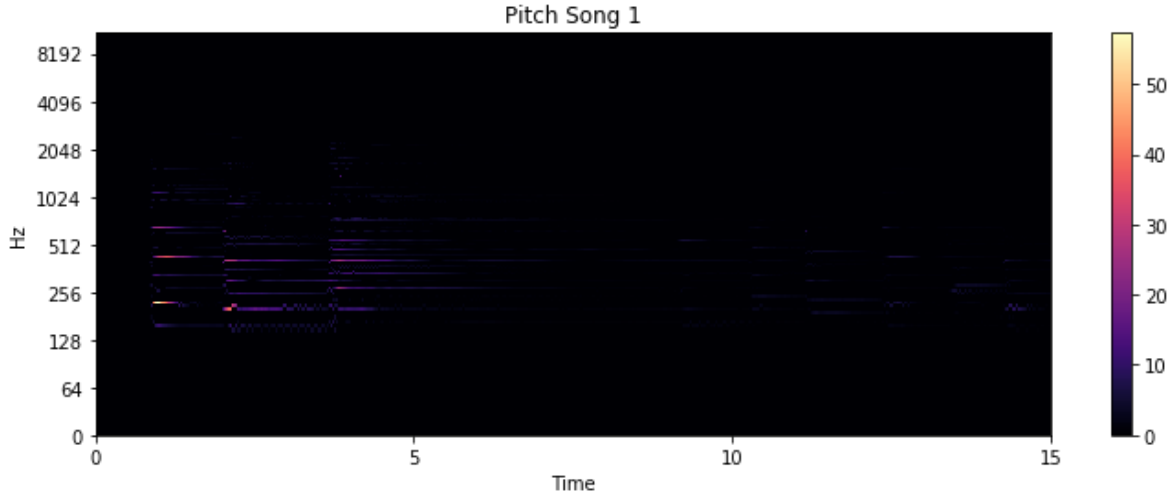
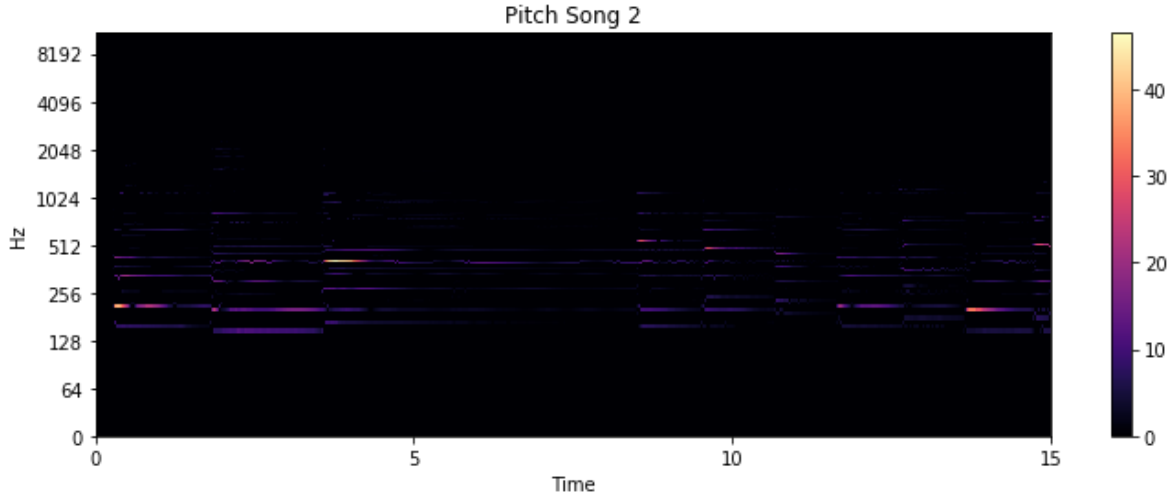


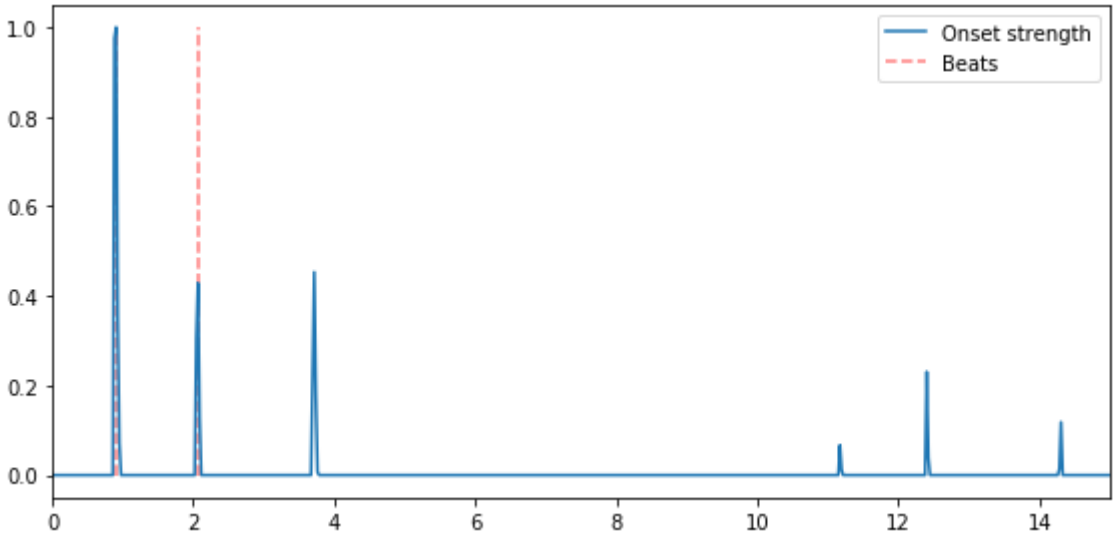


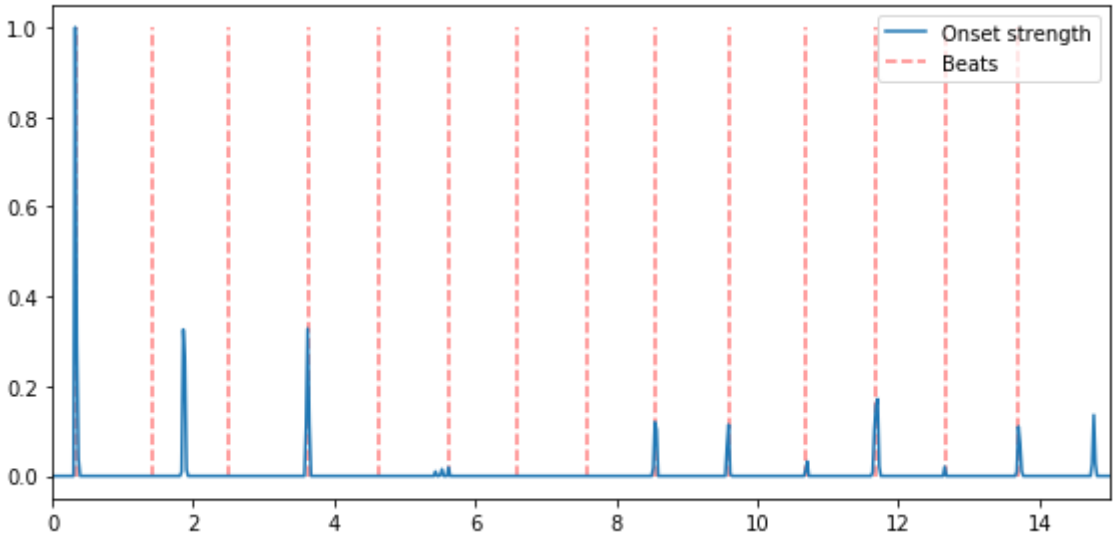

Chromagram Song 1
Pitch class
B
A
G
F
E
D
C
0
5
10
15
Time
1.0
0.8
0.6
0.4
0.2
0.0


Chromagram Song 2
Pitch class
B
A
G
F
E
D
C
0
5
10
15
Time
1.0
0.8
0.6
0.4
0.2

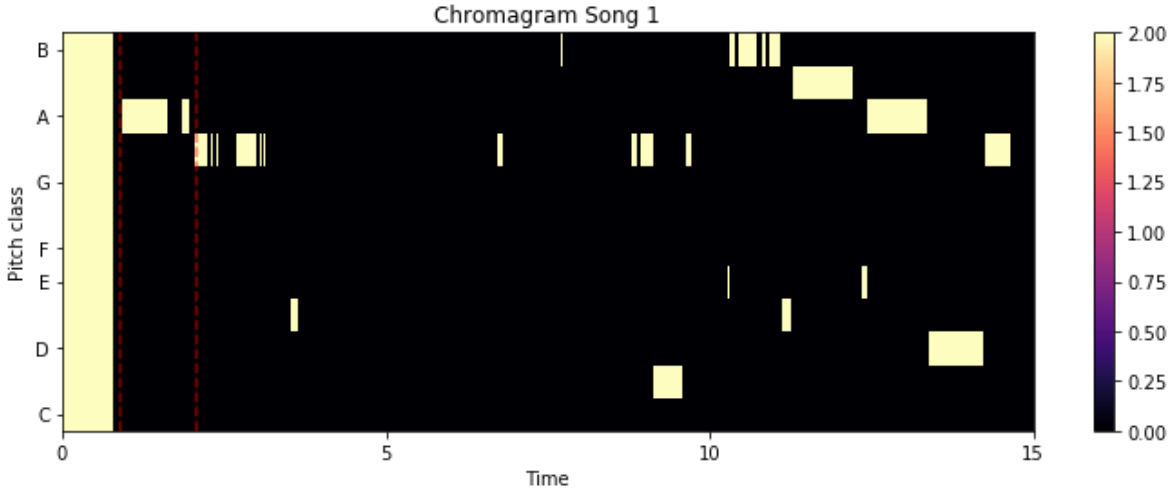

Pitch Song 1
8192
4096
2048
1024
512
256
128
64
0
Hz
0
5
10
15
Time
50
40
30
20
10
0

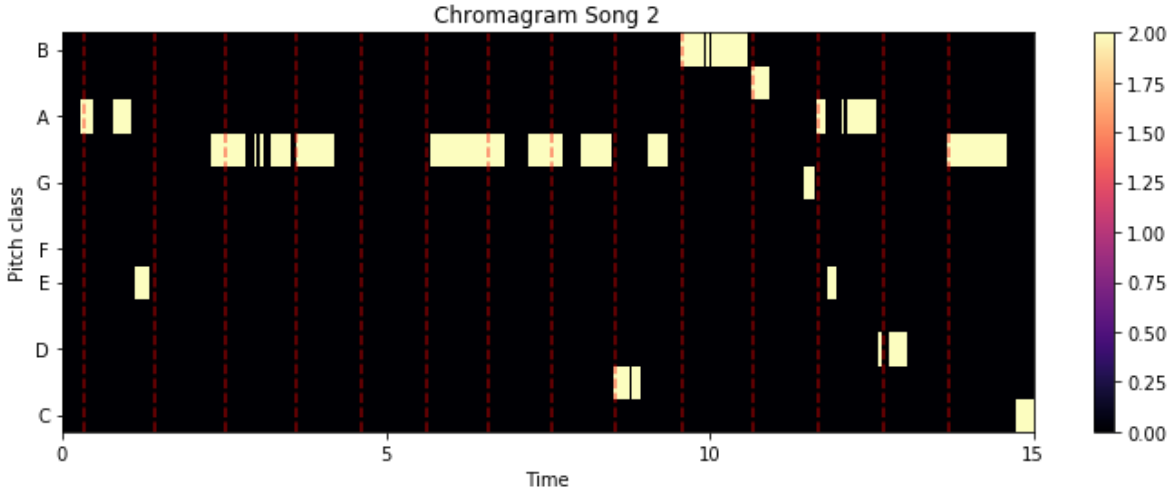

Pitch Song 2
8192
4096
2048
1024
512
256
128
64
0
Hz
0
5
10
15
Time
40
30
20
10
0

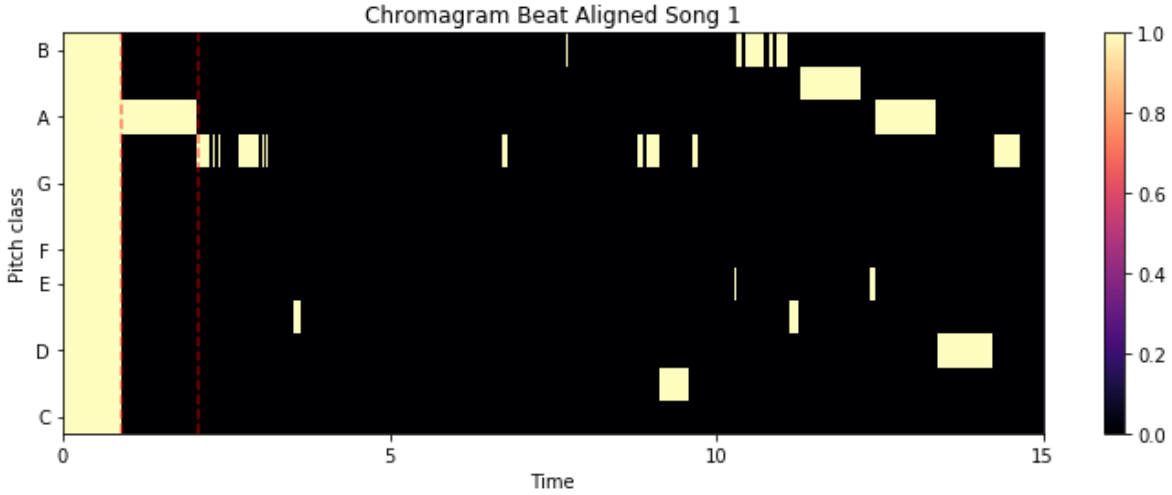

Onset strength
Beats
1.0
0.8
0.6
0.4
0.2
0.0
0
2
4
6
8
10
12
14

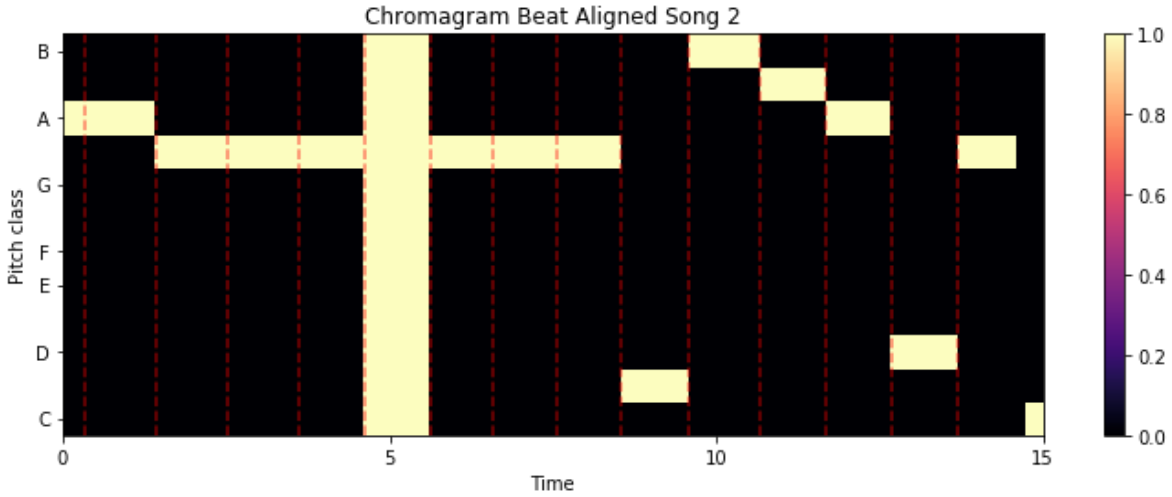

Onset strength
Beats
1.0
0.8
0.6
0.4
0.2
0.0
0
2
4
6
8
10
12
14

```
12
646
646
12
3.658638842171597
12
646
646
12
3.311280826788707
```






Chromagram Beat Aligned Song 1
Pitch class
B
A
G
F
E
D
C
0
5
10
15
Time
1.0
0.8
0.6
0.4
0.2
0.0


Chromagram Beat Aligned Song 2
Pitch class
B
A
G
F
E
D
C
0
5
10
15
Time
1.0
0.8
0.6
0.4
0.2
0.0