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1 C:\Users\A\AppData\Local\Programs\Python\Python37-32\python.exe C:\Users\A\IdeaIC2018.3\config\plugins\python-ce\helpers\pydev\pydevconsole.py --mode=client --port=52263
2
3 import sys; print('Python %s on %s' % (sys.version, sys.platform))
4 sys.path.extend(['C:\\Users\\A\\Documents\\Project\\FFT', 'C:/Users/a/Documents/Project/FFT'])
5
6 Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)]
7 Type 'copyright', 'credits' or 'license' for more information
8 IPython 7.1.1 -- An enhanced Interactive Python. Type '?' for help.
9 PyDev console: using IPython 7.1.1
10
11 Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
12 In[2]: runfile('C:/Users/a/Documents/Project/FFT/peak_detection.py', wdir='C:/Users/a/Documents/Project/FFT')
13 Backend TkAgg is interactive backend. Turning interactive mode on.
14 bpm atrial = 105
15 average differences atrial = 0.5699615384615384
16 sdsd atrial = 24.155164578436622
17 rmssd atrial = 0.5757304652590924
18
19 bpm atrial 2 = 85
20 average differences atrial 2 = 0.7090952380952382
21 sdsd atrial 2 = 23.840468732262234
22 rmssd atrial 2 = 0.7624397297251858
23
24 bpm atrial 3 = 69
25 average differences atrial 3 = 0.8627058823529412
26 sdsd atrial 3 = 24.314251033525878
27 rmssd atrial 3 = 0.894240561492366
28 C:\Users\A\AppData\Roaming\Python\Python37\site-packages\scipy\signal\_arraytools.py:45: FutureWarning: Using a non-tuple sequence for multidimensional indexing is deprecated; use `arr[tuple(seq)]` instead of `arr[seq]`. In the future this will be interpreted as an array index, `arr[np.array(seq)]`, which will result either in an
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28 error or a different result.
29   b = a[a_slice]
30
31 bpm mine = 66
32 average differences mine = 0.8958823529411765
33 sdsd mine = 6.401233068032645
34 rmssd mine = 0.8984059958244565
35
36 bpm normal = 60
37 average differences normal = 0.9696180555555556
38 sdsd normal = 3.4528157411118836
39 rmssd normal = 0.9676918544204075
40
41 bpm normal 2 = 60
42 average differences normal 2 = 0.9696180555555556
43 sdsd normal 2 = 3.4528157411118836
44 rmssd normal 2 = 0.9676918544204075
45
46 bpm Hemal_1 = 66
47 average differences Hemal_1 = 0.7761964285714286
48 sdsd Hemal_1 = 22.38173182584455
49 rmssd Hemal_1 = 0.9474006446490741
50
51 bpm Hemal_2 = 87
52 average differences Hemal_2 = 0.5398888888888889
53 sdsd Hemal_2 = 26.305418631026996
54 rmssd Hemal_2 = 0.7799606043280632
55
56 bpm arrhythmia_1 = 73
57 average differences arrhythmia_1 = 0.8235725308641976
58 sdsd arrhythmia_1 = 24.10345728395105
59 rmssd arrhythmia_1 = 0.8301883113337191
60
61 bpm arrhythmia_2 = 70
62 average differences arrhythmia_2 = 0.862157809983897
63 sdsd arrhythmia_2 = 24.12766843503749
64 rmssd arrhythmia_2 = 0.8475905188667151
65
66 bpm arrhythmia_3 = 78
67 average differences arrhythmia_3 = 0.7722222222222221
68 sdsd arrhythmia_3 = 23.853422076828366
69 rmssd arrhythmia_3 = 0.777569019603349
70
71 Process finished with exit code -1
72
```