```
Collecting uuid (from jovian)
  Downloading https://files.pythonhosted.org/packages/ce/63/f42f5aa951ebf2c8dac81f77a8edcc1c218640a2a35a03b9ff2d4aa64c3d/uuid-
1.30.tar.gz
Requirement already satisfied: pyyaml in /opt/conda/lib/python3.6/site-packages (from jovian) (3.12)
Requirement already satisfied: requests in /opt/conda/lib/python3.6/site-packages (from jovian) (2.21.0)
Requirement already satisfied: click in /opt/conda/lib/python3.6/site-packages (from jovian) (7.0)
Requirement already satisfied: certifi>=2017.4.17 in /opt/conda/lib/python3.6/site-packages (from requests->jovian) (2019.3.9)
Requirement already satisfied: urllib3<1.25,>=1.21.1 in /opt/conda/lib/python3.6/site-packages (from requests->jovian) (1.22)
Requirement already satisfied: idna<2.9,>=2.5 in /opt/conda/lib/python3.6/site-packages (from requests->jovian) (2.6)
Requirement already satisfied: chardet<3.1.0,>=3.0.2 in /opt/conda/lib/python3.6/site-packages (from requests->jovian) (3.0.4)
Building wheels for collected packages: uuid
```

```
100%|██████████| 500/500 [04:57<00:00,  1.71it/s]
```

```
Cut Shot Examples:  490
```

In [10]:
```
sweepDir = '../input/cricket/sweep/sweep/'
sweepimages = os.listdir(sweepDir)
print(len(sweepimages))
```

```
569
```

In [11]:
```
sweepShots = []
sweepFiles = []
pbar = tqdm(total=len(sweepimages))
for img in sweepimages:
    image = common.read_imgfile(sweepDir+img, None, None)
```

In [23]:
```
alldata.tail()
```

Out[23]:

	0_x	10_x	11_x	12_x	13_x	14_x	15_x	16_x	17_x	1_x	2_x	3_x	4_x	5_x	6_x	7
1553	0.533333	0.333333	0.733333	0.6	0.400000	NaN	NaN	0.266667	NaN	0.466667	0.000000	0.066667	0.466667	0.933333	1.000000	0.8666
1554	0.400000	NaN	0.720000	NaN	NaN	0.320000	0.480000	0.240000	0.600000	0.440000	0.040000	0.000000	0.480000	0.800000	1.000000	N:
1555	0.623377	0.000000	0.766234	NaN	NaN	0.610390	0.688312	NaN	0.753247	0.675325	0.493506	0.545455	0.701299	0.883117	0.987013	1.0000
1556	0.384615	NaN	0.653846	1.0	0.961538	0.269231	0.461538	0.153846	0.576923	0.384615	0.000000	0.000000	0.153846	0.769231	0.807692	0.6923
1557	0.383562	NaN	0.712329	NaN	NaN	0.369863	0.397260	NaN	0.520548	0.493151	0.109589	0.547945	1.000000	0.726027	NaN	N:

In [16]:
```
sweepList = []
for jh in sweepShots:
    sweepList.append(humanToDict(jh))

sweepdf = pd.DataFrame(sweepList)
sweepdf.head()
```

Out[16]:

	0_x	0_y	10_x	10_y	11_x	11_y	12_x	12_y	13_x	13_y	14_x	14_y	15_x	15_y	16_x	16
0	0.273148	0.336957	0.115741	0.853261	0.398148	0.619565	NaN	NaN	NaN	NaN	0.245370	0.331522	0.282407	0.309783	0.199074	0.3368
1	0.805556	0.081522	0.750000	0.728261	0.861111	0.347826	0.925926	0.494565	0.972222	0.657609	0.796296	0.070652	0.814815	0.070652	0.782407	0.0760
2	0.430556	0.331522	0.273148	0.652174	0.407407	0.521739	0.398148	0.581522	0.347222	0.717391	0.425926	0.320652	0.444444	0.320652	0.407407	0.3097
3	0.185185	0.260870	0.259259	0.842391	0.296296	0.543478	0.254630	0.668478	0.259259	0.853261	0.171296	0.250000	0.199074	0.239130	0.143519	0.2608
4	0.458333	0.320652	NaN	NaN	0.750000	0.467391	0.865741	0.581522	0.972222	0.684783	NaN	NaN	0.476852	0.304348	NaN	N

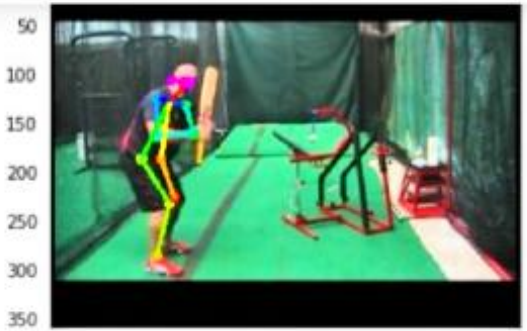
In [17]:
```
driveList = []
for jh in driveShots:
    driveList.append(humanToDict(jh))

drivedf = pd.DataFrame(driveList)
drivedf.head()
```

Out[17]:

	0_x	0_y	10_x	10_y	11_x	11_y	12_x	12_y	13_x	13_y	14_x	14_y	15_x	15_y	16_x	16
0	0.490741	0.266304	NaN	NaN	0.773148	0.701087	0.819444	0.673913	NaN	NaN	0.481481	0.228261	0.518519	0.222826	NaN	N
1	0.476852	0.195652	0.337963	0.635870	0.532407	0.407609	0.574074	0.505435	0.527778	0.673913	0.462963	0.184783	0.486111	0.179348	0.444444	0.179
2	0.611111	0.255435	NaN	NaN	0.615741	0.385870	NaN	NaN	NaN	NaN	0.601852	0.250000	0.611111	0.250000	0.592593	0.250
3	0.620370	0.282609	0.675926	0.891304	0.773148	0.543478	0.777778	0.733696	0.726852	0.918478	0.601852	0.277174	0.625000	0.266304	0.583333	0.288
4	0.407407	0.239130	0.273148	0.760870	0.407407	0.500000	0.421296	0.641304	0.347222	0.902174	0.398148	0.217391	0.421296	0.217391	0.370370	0.222

Out[17]:

	0_x	0_y	10_x	10_y	11_x	11_y	12_x	12_y	13_x	13_y	14_x	14_y	15_x	15_y	16_x	16
0	0.490741	0.266304	NaN	NaN	0.773148	0.701087	0.819444	0.673913	NaN	NaN	0.481481	0.228261	0.518519	0.222826	NaN	N
1	0.476852	0.195652	0.337963	0.635870	0.532407	0.407609	0.574074	0.505435	0.527778	0.673913	0.462963	0.184783	0.486111	0.179348	0.444444	0.179
2	0.611111	0.255435	NaN	NaN	0.615741	0.385870	NaN	NaN	NaN	NaN	0.601852	0.250000	0.611111	0.250000	0.592593	0.250
3	0.620370	0.282609	0.675926	0.891304	0.773148	0.543478	0.777778	0.733696	0.726852	0.918478	0.601852	0.277174	0.625000	0.266304	0.583333	0.288
4	0.407407	0.239130	0.273148	0.760870	0.407407	0.500000	0.421296	0.641304	0.347222	0.902174	0.398148	0.217391	0.421296	0.217391	0.370370	0.222


50
100
150
200
250
300
350

In [29]:
```
import jovian
jovian.commit(project='cricketshot_ls')
```

```
<IPython.core.display.Javascript object>
```

```
<IPython.core.display.Javascript object>
```

```
alldata = alldata.reset_index(drop = True)
alldata.shape
```

Out[19]: (1558, 37)

In [20]:
```
allFiles = sweepFiles + cutFiles + driveFiles
allShots = sweepShots + cutShots + driveShots
```

(1090, 36)

	precision	recall	f1-score	support
0	0.66	0.74	0.70	172
1	0.63	0.61	0.62	147
2	0.58	0.51	0.54	149
micro avg	0.63	0.63	0.63	468
macro avg	0.62	0.62	0.62	468
weighted avg	0.63	0.63	0.62	468

```
def humanToDict(hum):
    resultDict = {}
    parts = hum.body_parts.keys()
    for p in parts:
        resultDict[str(p)+'_x'] = hum.body_parts[p].x
        resultDict[str(p)+'_y'] = hum.body_parts[p].y
        #resultDict[str(p)+'_p'] = hum.body_parts[p].p
    return resultDict
```

```
cutList = []
for sh in cutShots:
    cutList.append(humanToDict(sh))

cutdf = pd.DataFrame(cutList)
#standHumadf['img'] = standFiles
cutdf.head()
```