

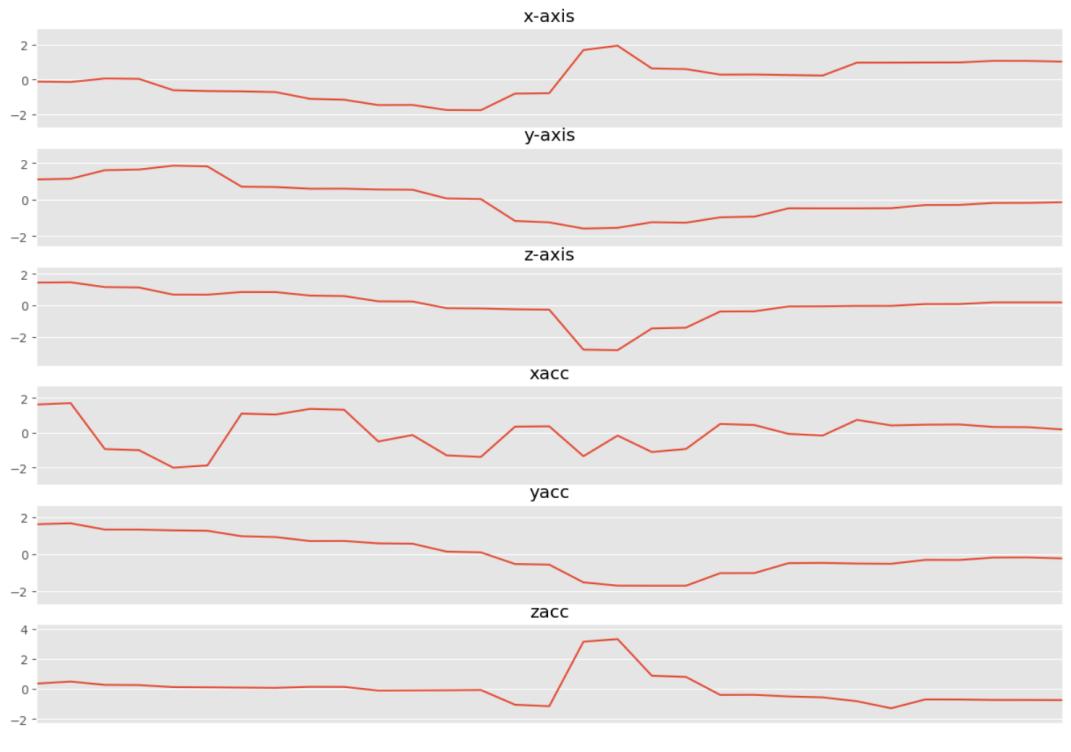
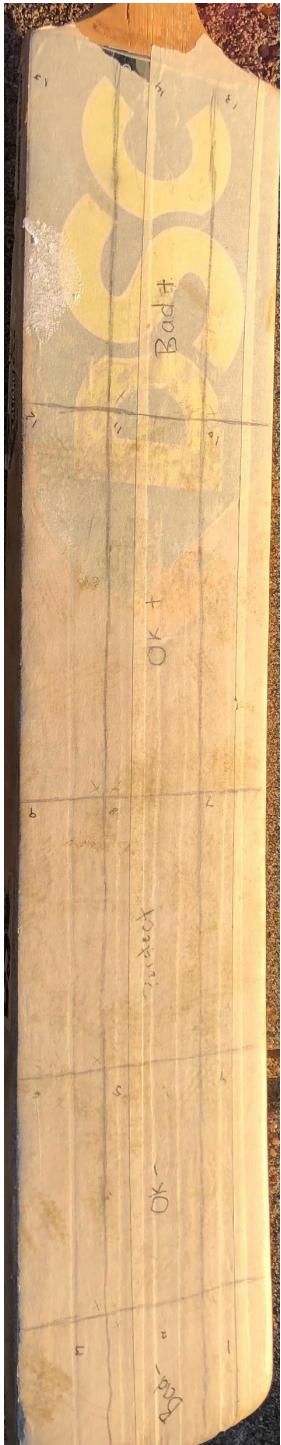
Example Format

Picture of Actual Hit
Location Between
Cricket Bat and Ball

Plot of Swing Magnitude During Duration
of Swing (Plotted by the Machine Learning
Model)

Screenshot of App Hit Location Screen

Hit Location 15 Data



"updatedAt": {"S": "2022-11-30T22:45:31.221Z"}

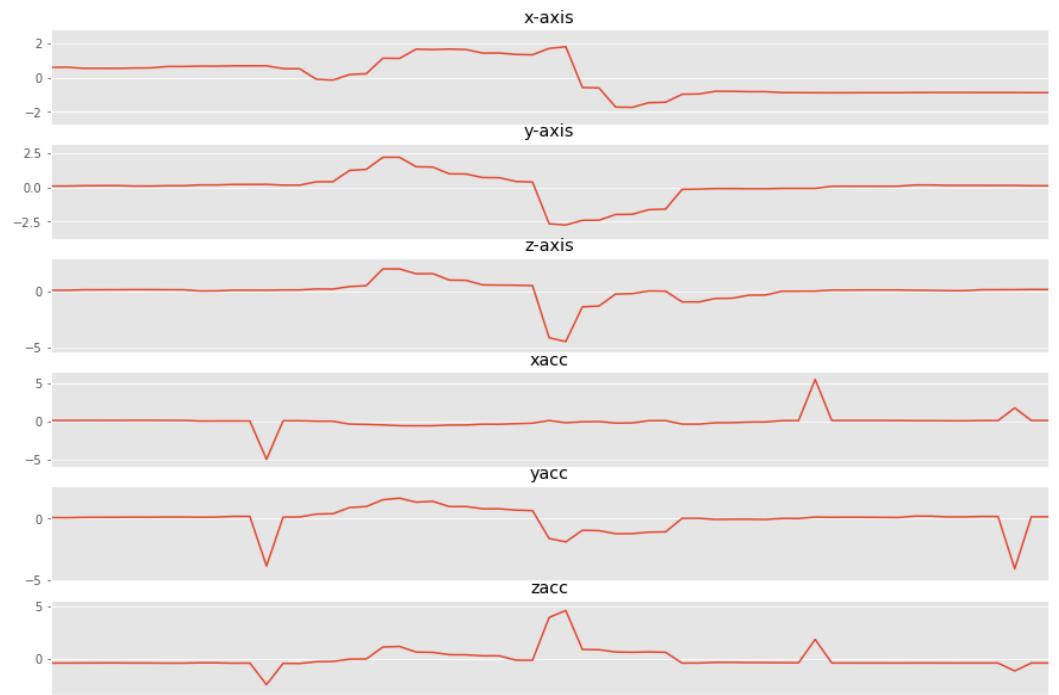
Figure 1b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 5, 'speedoverall': 50.01299521124484, 's  
378861072409553, 'angleY': -0.4826150188041244, 'an  
ubuntu@ip-172-31-26-208:~$ █
```

Figure 1c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 1a: Marked Physical Collision on Hit Location 15

Hit Location 14 Data



"name": {"s": "thurshit14"}

Figure 2b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 5, 'speedoverall': 89.96263917038004, 'speedimpactx': 0  
458639434195035, 'angley': -0.5952277331718819, 'anglez': 0.0}  
ubuntu@ip-172-31-26-208:~$ █
```

Figure 2c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 2a: Marked Physical Collision on Hit Location 14

Hit Location 13 Data



Figure 3a: Marked Physical Collision on Hit Location 13

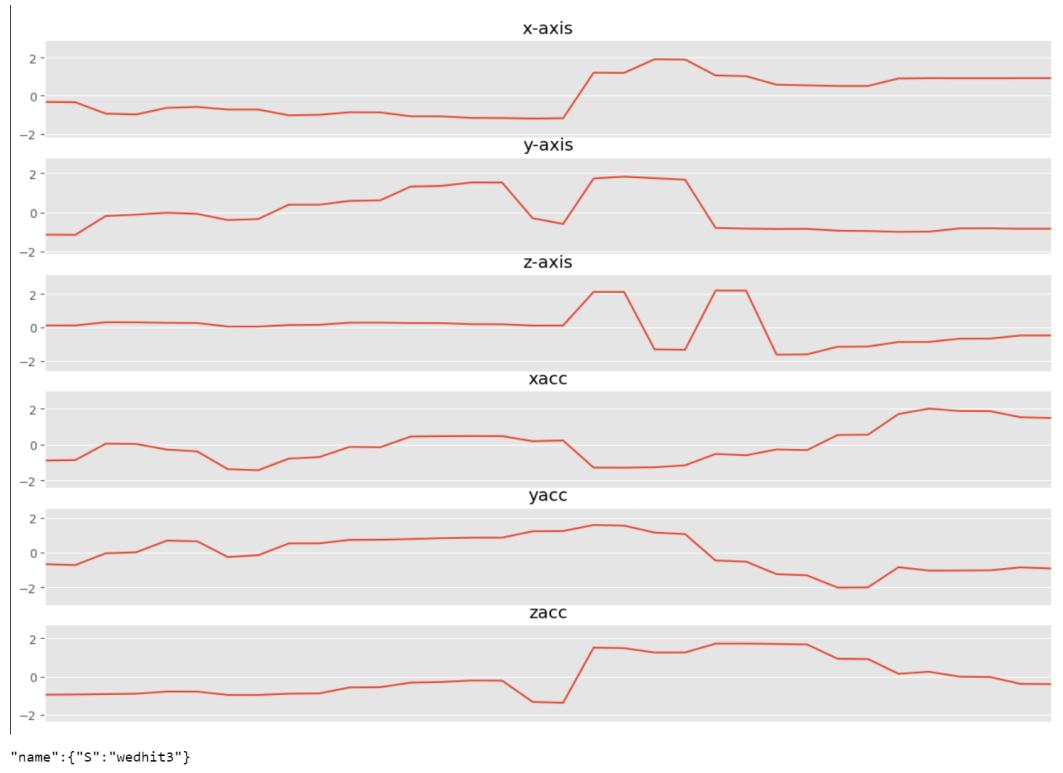


Figure 3b: Hit Data Plots After Preprocessing of Machine Learning

```
{"region": 5, "speedoverall": 73.90951274024205, "angley": -1.320558542410429, "anglez": 5.988970394}
```

Figure 3c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Hit Location 12 Data

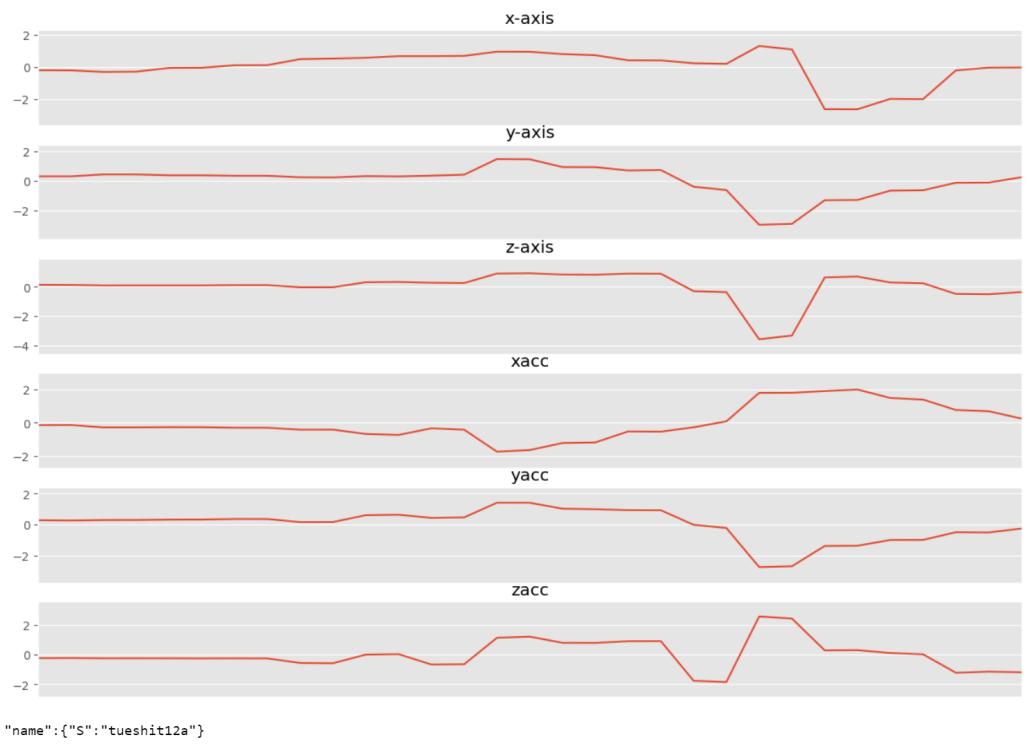
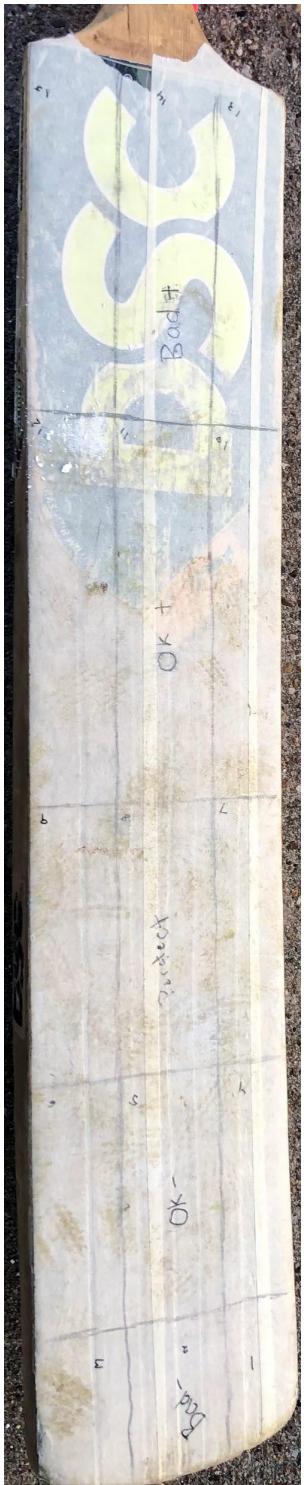


Figure 4b: Hit Data Plots After Preprocessing of Machine Learning

```
[0.018882694162259, 0.018882694162259, 0.018882694162259,  
{'region': 8, 'speedoverall': 120.10625823515609, 'speedin'  
.3184722127196475, 'angley': -8.485130688920975, 'anglez':  
ubuntu@ip-172-31-26-208:~$ ]
```

Figure 4c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 4a: Marked Physical Collision on Hit Location 12

Hit Location 11 Data

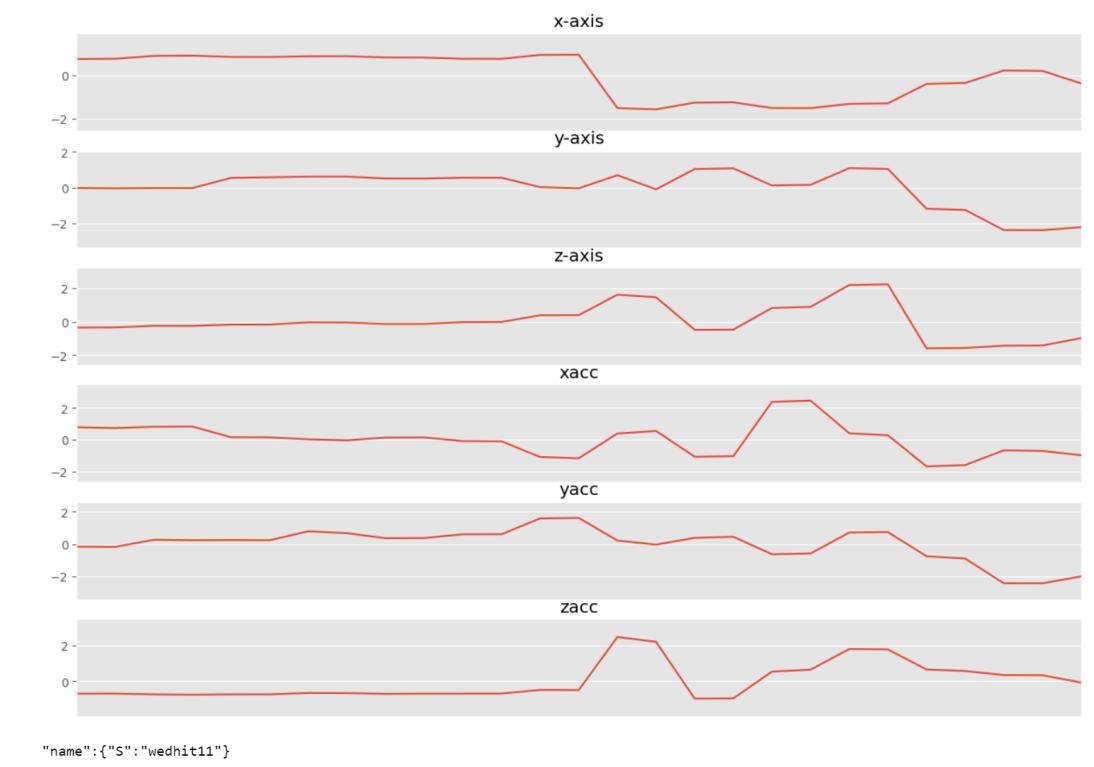


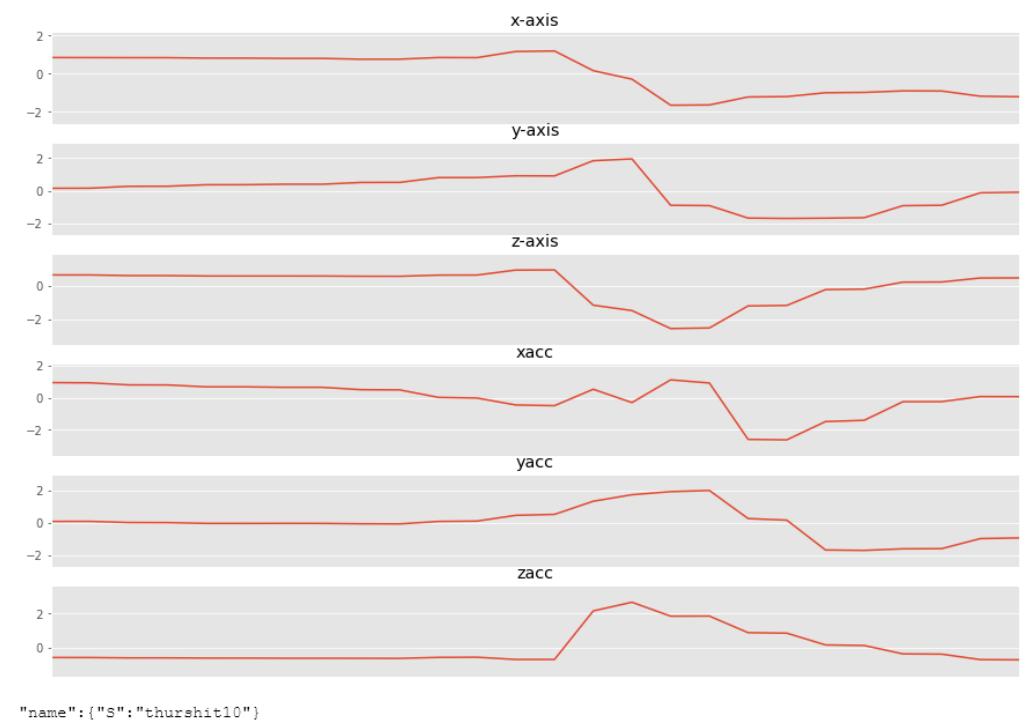
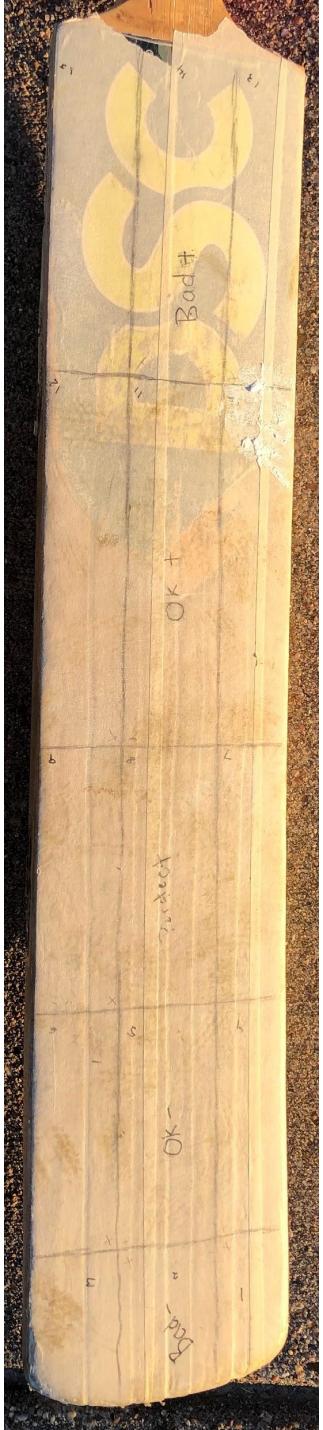
Figure 5b: Hit Data Plots After Preprocessing of Machine Learning

```
{"name": {"s": "wedhit11"},  
 "region": 8, "speedoverall": 182.2760676083122,  
 328980352957, "angley": -2.4056969162116832, "ang  
 ubuntu@ip-172-31-26-208:~$ █
```

Figure 5c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 5a: Marked Physical Collision on Hit Location 11

Hit Location 10 Data



"name": {"s": "thurshit10"}

Figure 6b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 5, 'speedoverall': 127.19032056037128, 'speedimpac  
69859327460608, 'angley': -2.1123514074571523, 'anglez': -7.1  
ubuntu@ip-172-31-26-208:~$ █
```

Figure 6c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 6a: Marked Physical Collision on Hit Location 10

Hit Location 9 Data



Figure 7a: Marked Physical Collision on Hit Location 9

Figure 7b: Hit Data Plots After Preprocessing of Machine Learning

Figure 7c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Hit Location 8 Data



Figure 8a: Marked Physical Collision on Hit Location 8

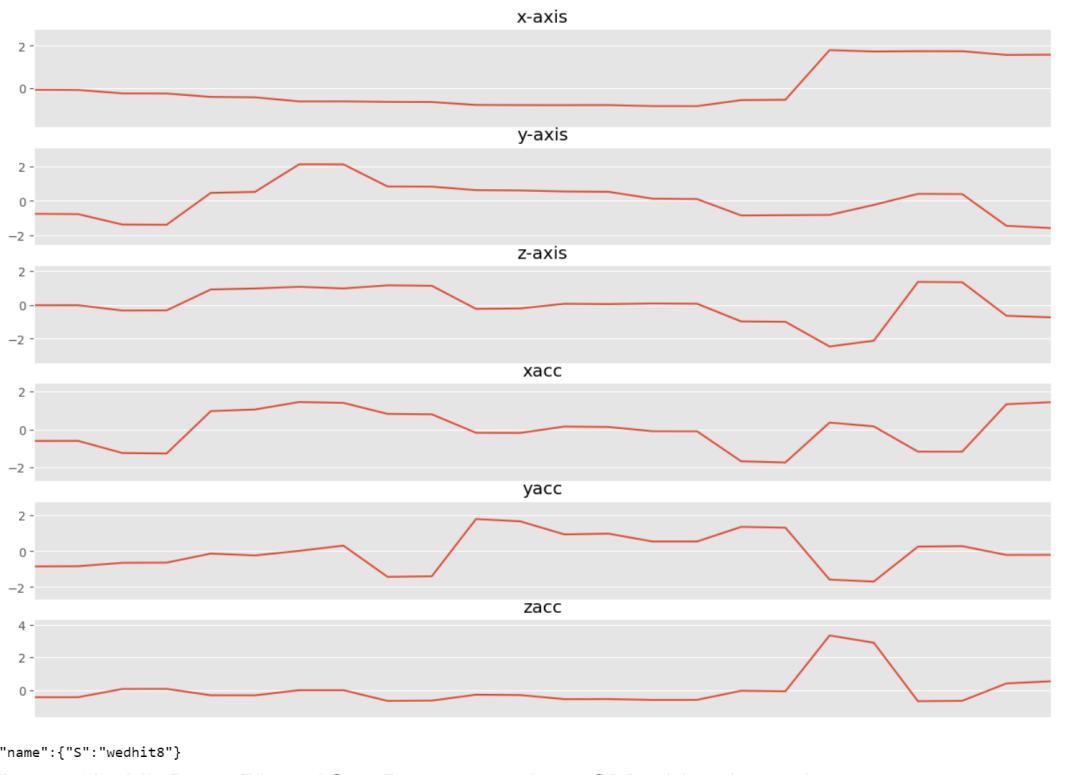


Figure 8b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 8, 'speedoverall': 116.7838632602981, 'speedimpac  
337109604133, 'angley': 1.167147824558429, 'anglez': -4.7621  
ubuntu@ip-172-31-26-208:~$
```

Figure 8c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Hit Location 7 Data

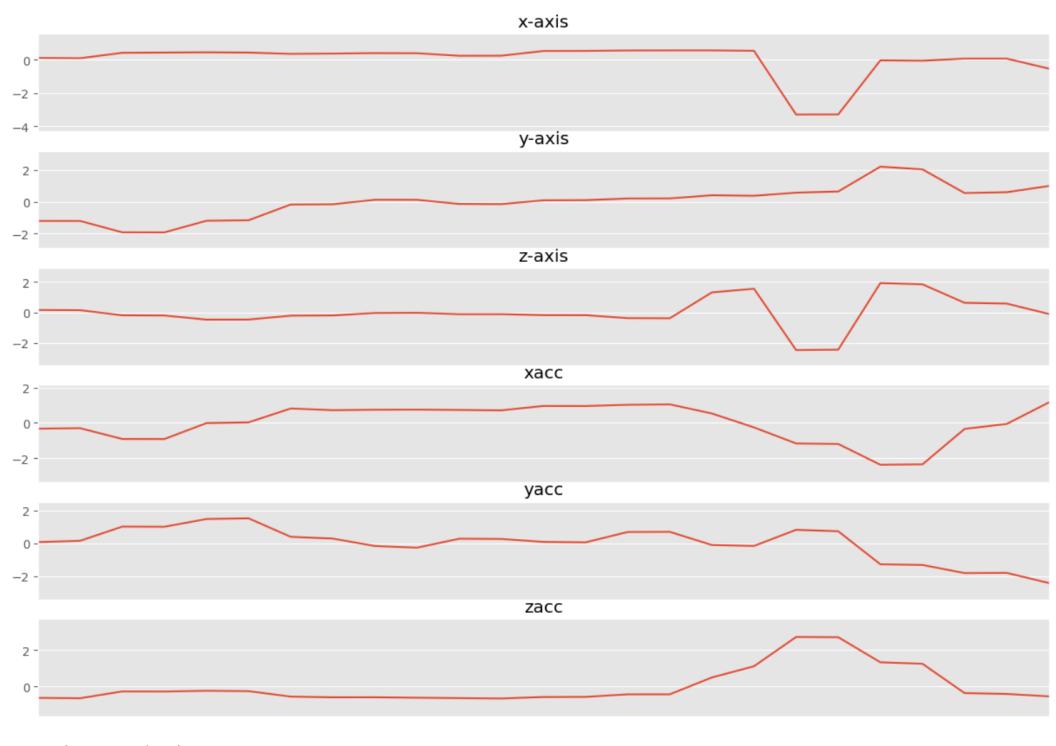
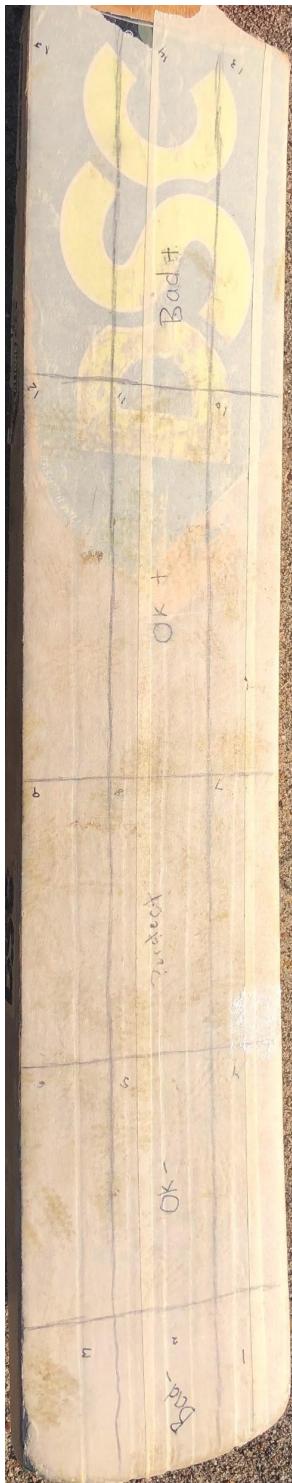


Figure 9b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 8, 'speedoverall': 134.1742842304  
44009197668416, 'angleY': 8.4416406636497, '  
ubuntu@ip-172-31-26-208:~$
```

Figure 9c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 9a: Marked Physical Collision on Hit Location 7

Hit Location 6 Data

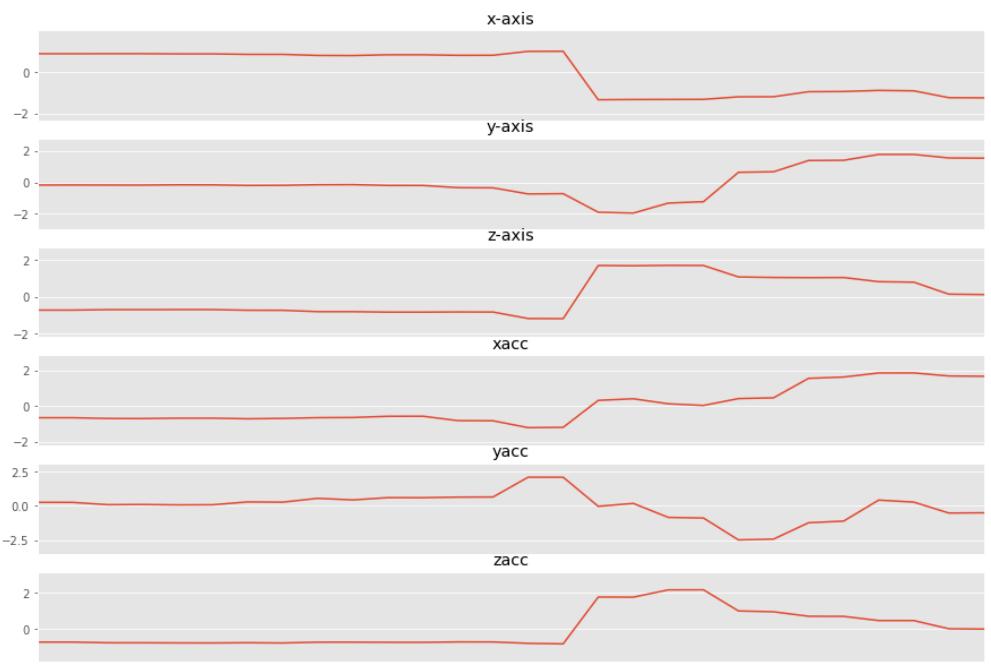
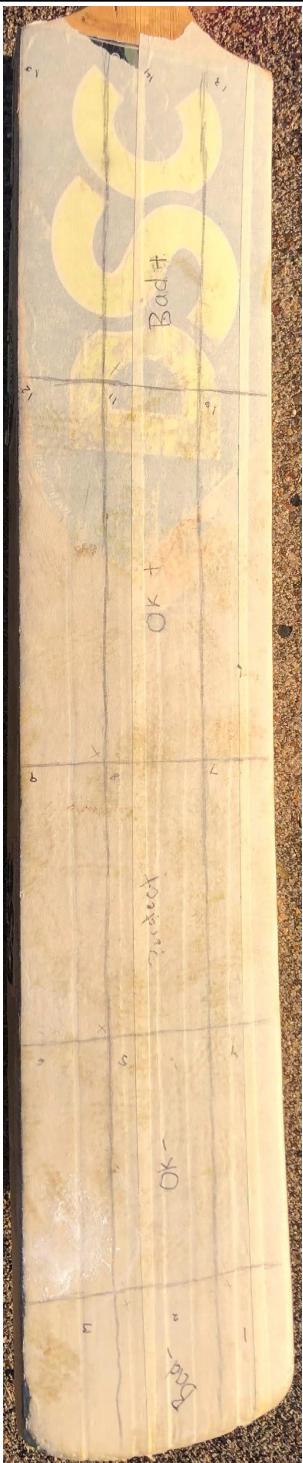


Figure 10b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 8, 'speedoverall': 166.078434119252168575837134, 'angley': 3.150132820649097, ubuntu@ip-172-31-26-208:~$ }
```

Figure 10c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 10a: Marked Physical Collision on Hit Location 6

Hit Location 5 Data

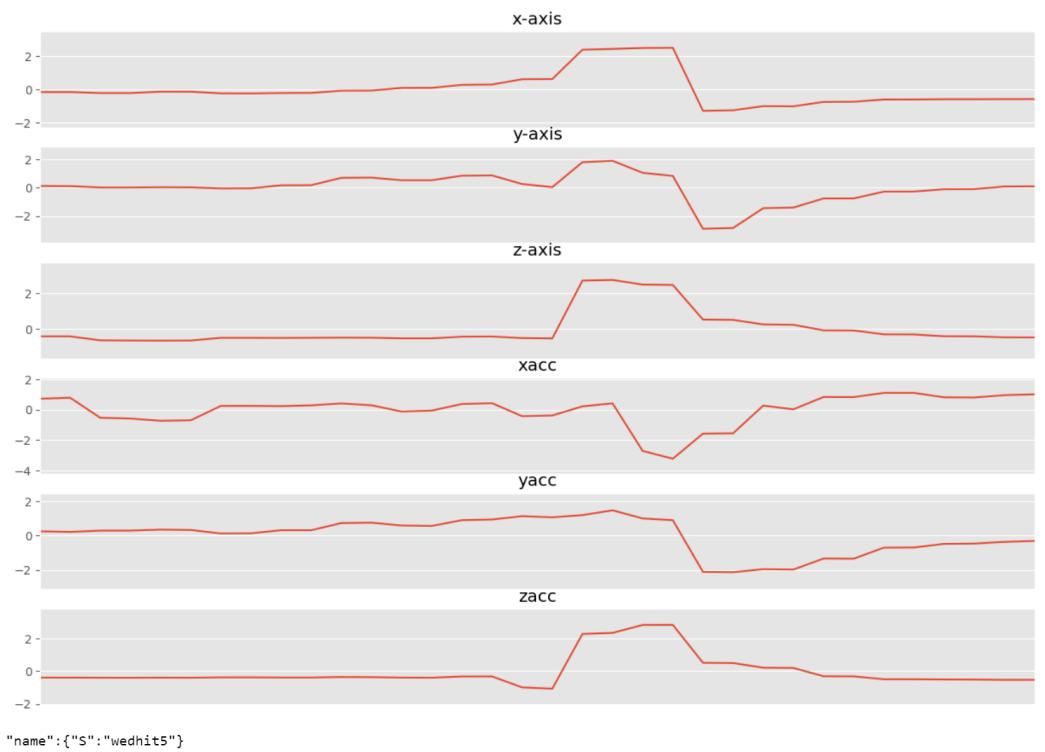
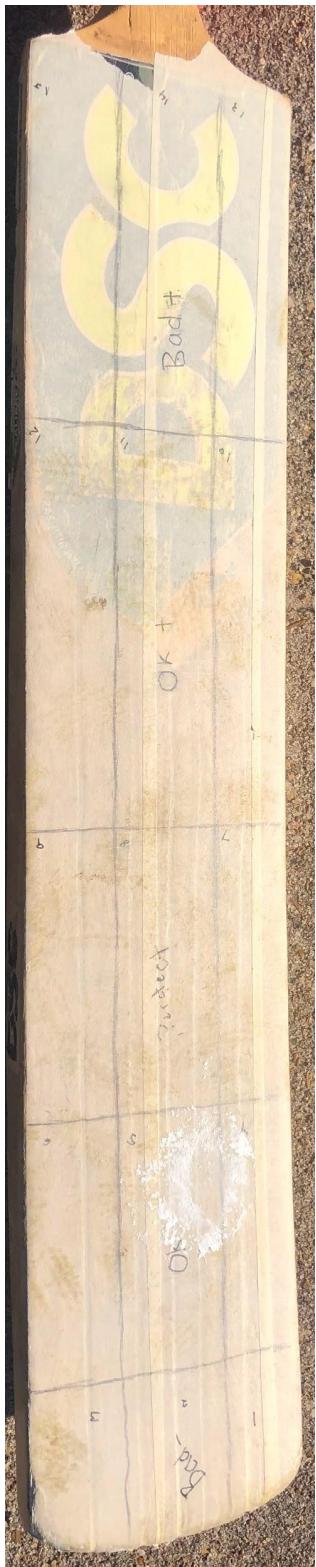


Figure 11b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 5, 'speedoverall': 111.13424204987409, 'speed': 7455447482602, 'angley': -7.916609345424729, 'anglez': 1  
ubuntu@ip-172-31-26-208:~$ █
```

Figure 11c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 11a: Marked Physical Collision on Hit Location 5

Hit Location 4 Data

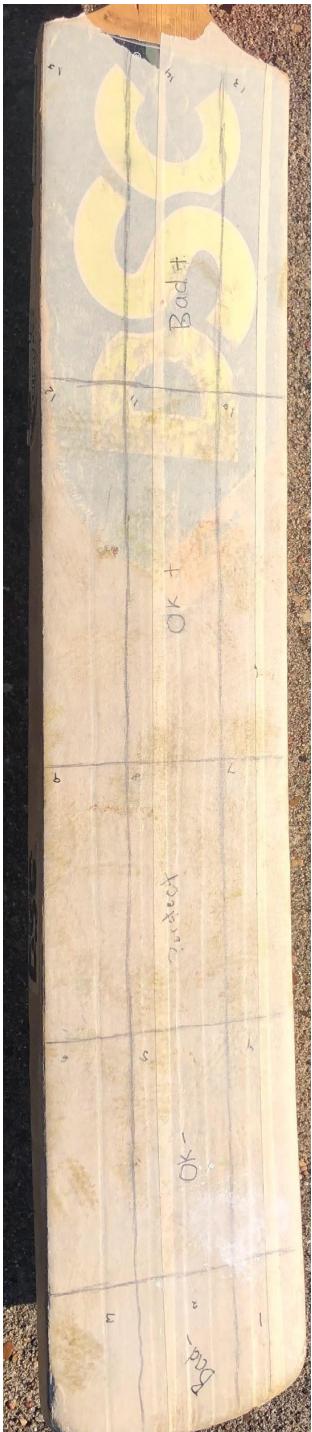


Figure 12a: Marked Physical Collision on Hit Location 4

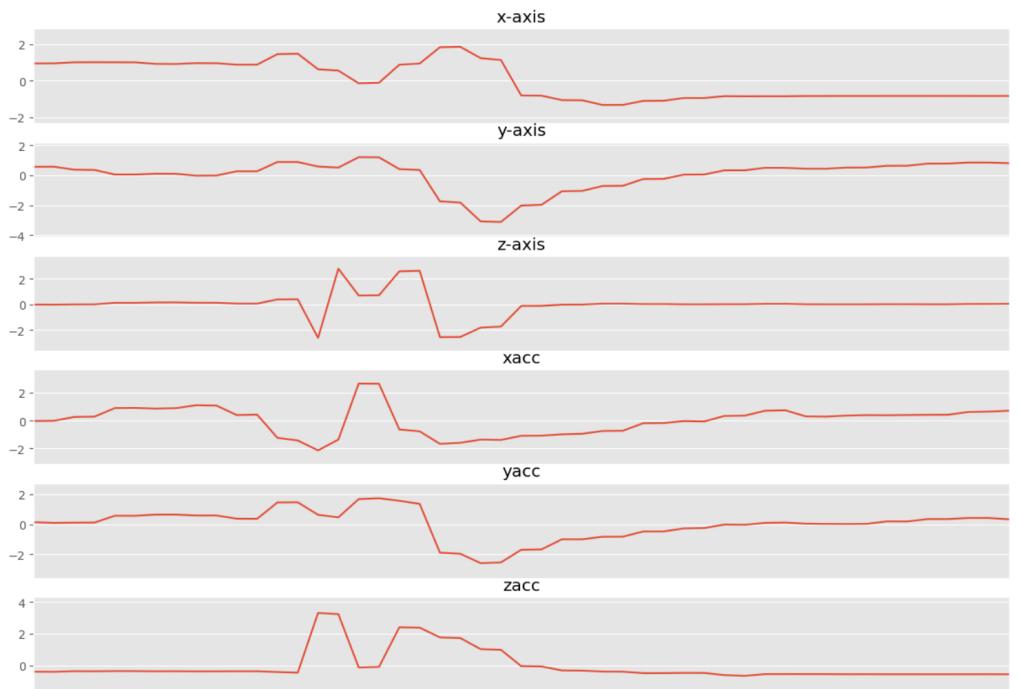


Figure 12b: Hit Data Plots After Preprocessing of Machine Learning

```
[2.000000000000000, 2.000000000000000, 2.000000000000000, 'region': 5, 'speedoverall': 179.63365069705063, 'speedanglex': 46809272407164, 'angley': 5.7132027492102235, 'anglez': 0}
```

Figure 12c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Hit Location 3 Data



Figure 13a: Marked Physical Collision on Hit Location 3

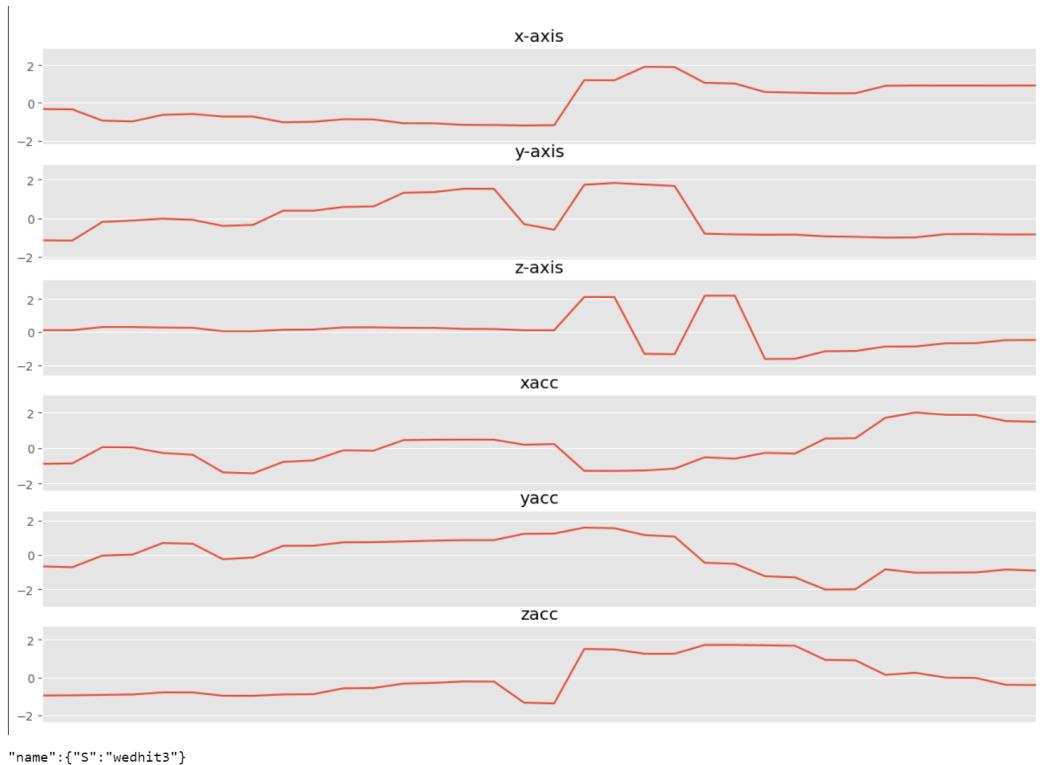
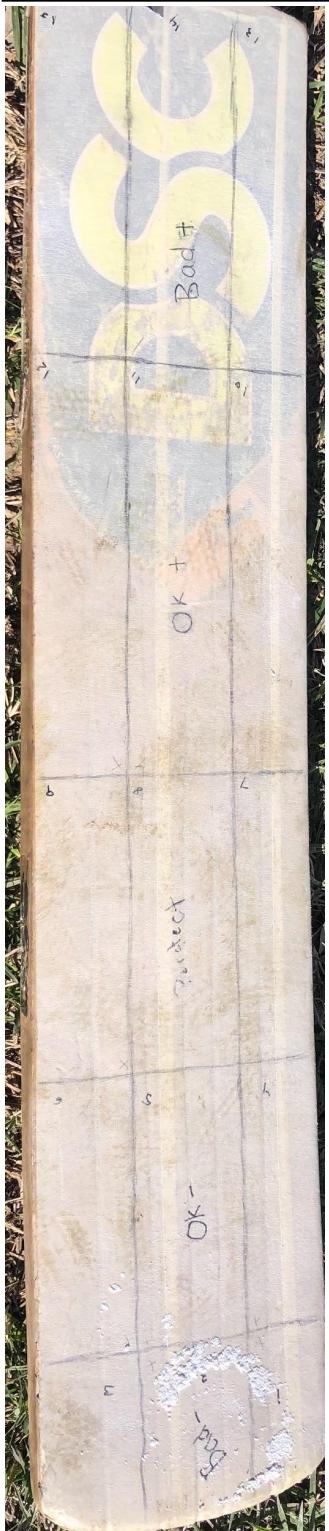


Figure 13b: Hit Data Plots After Preprocessing of Machine Learning

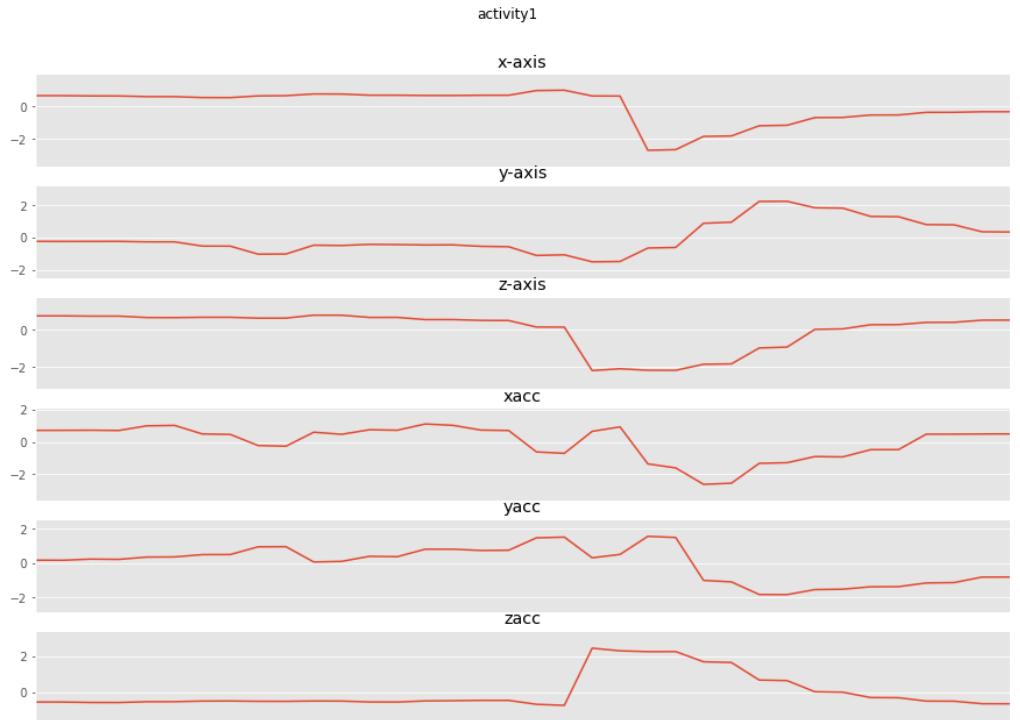
```
{"name": {"s": "wedhit3"}  
{'region': 5, 'speedoverall': 247.5920759560976, '99797915793, 'angley': -5.691397204630443, 'anglez':  
ubuntu@ip-172-31-26-208:~$ }
```

Figure 13c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Hit Location 2 Data



C:\Users\hjk0811\Downloads\1\sjy5mdc6tu7brjqvnyghi6kikq.json.gz



"name": {"S": "thurshit2"}

Figure 14b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 5, 'speedoverall': 175.15418673414578, '178238132846536, 'angley': 9.529245245475083, 'angl  
ubuntu@ip-172-31-26-208:~$
```

Figure 14c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 14a: Marked Physical Collision on Hit Location 2

Hit Location 1 Data



C:\Users\hjk0811\Downloads\1\cfcbxydvnu5bhghmre3n3j725y.json.gz

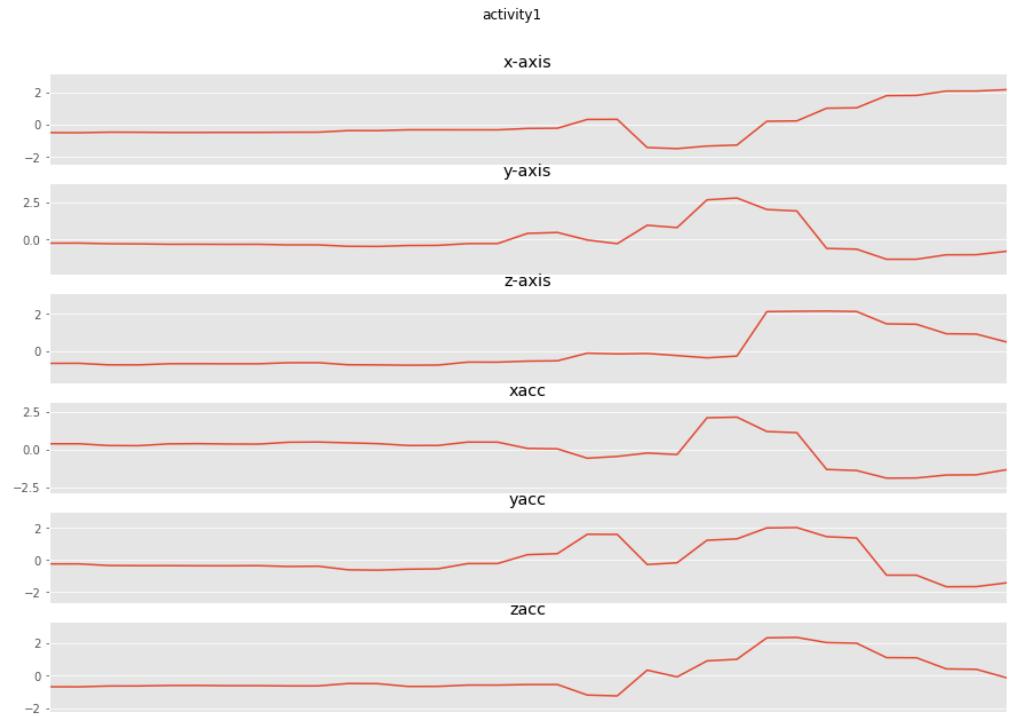


Figure 15b: Hit Data Plots After Preprocessing of Machine Learning

```
{'region': 8, 'speedoverall': 149.4660881613284, 'speed8017654318054, 'angley': 1.8019440519001186, 'anglez': ubuntu@ip-172-31-26-208:~$ }
```

Figure 15c: Screenshot of Hit Location from Machine Learning Sent to and Shown in Application

Figure 15a: Marked Physical Collision on Hit Location 1