JaMor Hairston
BMI 500
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Edge Computing and Human Activity Analysis
https://github.com/jmhairston/Hairston_BMI500_HW13

Part 1 Mediapipe –

Part 2 Human Activity Recognition –

Kernel Size: 15, Window Size: 1, Classification: Multilayer Perceptron
```
Best Parameters: {'hidden_layer_sizes': (100, 50),
'alpha': 0.001,
'max_iter': 200,
'solver': 'adam',
'learning_rate': 'adaptive'}
Validation Set Accuracy with Best Parameters: 0.642
```

```
Test Set Accuracy with Best Parameters: 0.520
```

Kernel Size: 10, Window Size: 1.5, Classification: Multilayer Perceptron

```
Best Parameters: {'hidden_layer_sizes': (40, 20),
'alpha': 0.01,
'max_iter': 100,
'solver': 'adam',
'learning_rate': 'adaptive'}
Validation Set Accuracy with Best Parameters: 0.642
Test Set Accuracy with Best Parameters: 0.515
```