Parkinson Disease | Downloads/ | PARKINSON_DISEASE_PREDICTI | localhost:8888/notebooks/Downloads/PARKINSON_DISEASE_PREDICTION.ipynb

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USER INPUT TESTING

In [158]:
```
a=parkinsons_data.iloc[0].to_dict()              #  parkinson disease-----1
b=parkinsons_data.iloc[1].to_dict()              #  parkinson disease-----1
c=parkinsons_data.iloc[48].to_dict()              #  no parkinson disease-----0
d=parkinsons_data.iloc[49].to_dict()              #  no parkinson disease-----0
e=parkinsons_data.iloc[50].to_dict()              #  no parkinson disease-----0
```

In [159]:
```
a.values()
```

Out[159]:
```
dict_values([119.992, 157.302, 74.997, 0.00784, 7e-05, 0.0037, 0.00554, 0.01109, 0.04374, 0.426, 0.02182, 0.0313, 0.02971, 0.06
545, 0.02211, 21.033, 1.0, 0.414783, 0.815285, -4.813031, 0.266482, 2.301442, 0.284654])
```

In [160]:
```
b.values()
```

Out[160]:
```
dict_values([122.4, 148.65, 113.819, 0.00968, 8e-05, 0.00465, 0.00696, 0.01394, 0.06134, 0.626, 0.03134, 0.04518, 0.04368, 0.09
403, 0.01929, 19.085, 1.0, 0.458359, 0.819521, -4.075192, 0.33559, 2.486855, 0.368674])
```

In [161]:
```
c.values()
```

Out[161]:
```
dict_values([122.188, 128.611, 115.765, 0.00524, 4e-05, 0.00169, 0.00203, 0.00507, 0.01613, 0.143, 0.00855, 0.00776, 0.01433,
0.02566, 0.00839, 23.162, 0.0, 0.579597, 0.733659, -6.439398, 0.266392, 2.079922, 0.133667])
```

In [162]:
```
d.values()
```

Out[162]:
```
dict_values([122.964, 130.049, 114.676, 0.00428, 3e-05, 0.00124, 0.00155, 0.00373, 0.01681, 0.154, 0.0093, 0.00802, 0.014, 0.02
789, 0.00462, 24.971, 0.0, 0.538688, 0.754073, -6.482096, 0.264967, 2.054419, 0.128872])
```

In [163]:
```
e.values()
```

Out[163]:
```
dict_values([124.445, 135.069, 117.495, 0.00431, 3e-05, 0.00141, 0.00167, 0.00422, 0.02184, 0.197, 0.01241, 0.01024, 0.01685,
```

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In [163]:
```
e.values()
```

Out[163]:
```
dict_values([124.445, 135.069, 117.495, 0.00431, 3e-05, 0.00141, 0.00167, 0.00422, 0.02184, 0.197, 0.01241, 0.01024, 0.01685,
0.03724, 0.00479, 25.135, 0.0, 0.553134, 0.775933, -6.650471, 0.254498, 1.840198, 0.103561])
```

In [166]:
```
input_data = (122.4, 148.65, 113.819, 0.00968, 8e-05, 0.00465, 0.00696, 0.01394, 0.06134, 0.626, 0.03134, 0.04518, 0.04368, 0.09

# changing input data to numpy array
input_data_numpy = np.asarray(input_data)

#reshaping the numpy array
input_data_reshape = input_data_numpy.reshape(1,-1)

#standardizing the input data
std_data = scaler.transform(input_data_reshape)
## prediction
prediction = rfc.predict(std_data)
print(prediction)

if (prediction[0] == 1):
  print('The patient has Parkinson')
elif (prediction[0] == 0):
  print('The patient does not have Parkinson')
else:
  print('Some error in processing')
```

```
[1]
The patient has Parkinson
```

Save Model

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