📦 Import Required Libraries

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

```
df=pd.read_csv("/content/weight-height.csv")
```

```
df
```

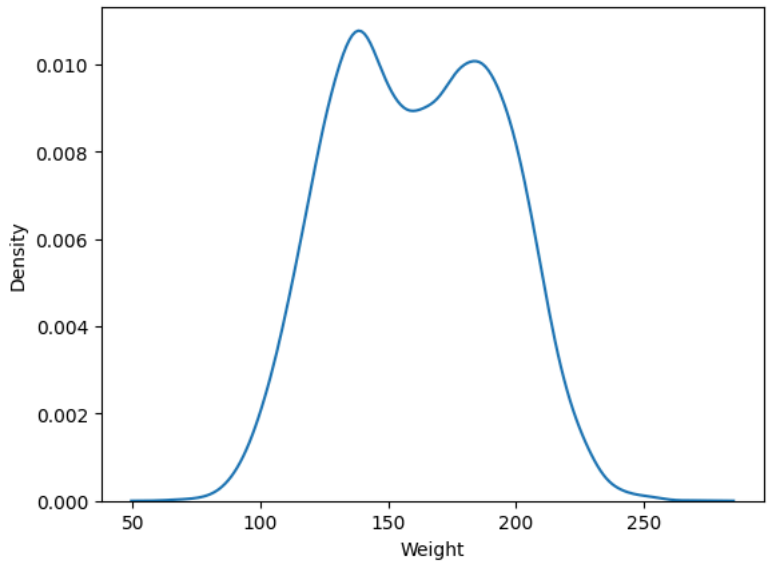
	Gender	Height	Weight
0	Male	73.847017	241.893563
1	Male	68.781904	162.310473
2	Male	74.110105	212.740856
3	Male	71.730978	220.042470
4	Male	69.881796	206.349801
...	...	...	...
9995	Female	66.172652	136.777454
9996	Female	67.067155	170.867906
9997	Female	63.867992	128.475319
9998	Female	69.034243	163.852461
9999	Female	61.944246	113.649103

10000 rows × 3 columns

Before Normalization Graphs

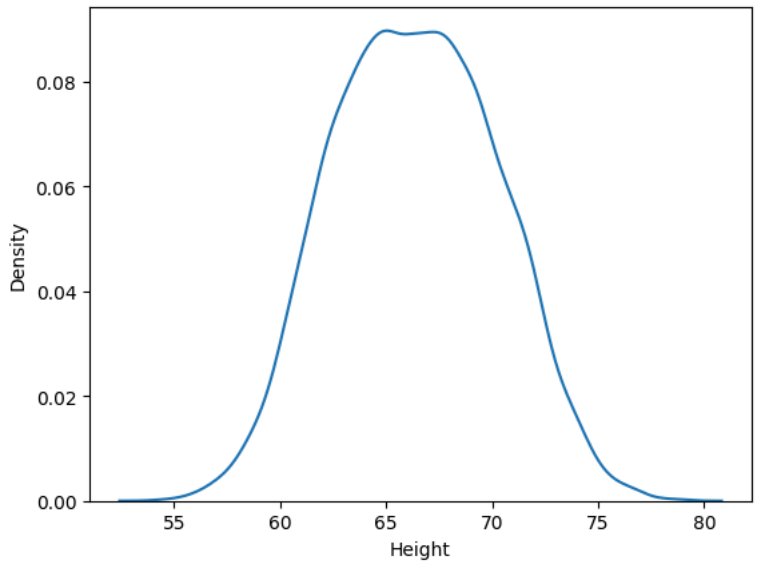
```
sns.kdeplot(df['Weight'])
```

```
<Axes: xlabel='Weight', ylabel='Density'>
```




```
sns.kdeplot(df['Height'])
```

```
<Axes: xlabel='Height', ylabel='Density'>
```



import minmaxscaler libraries

```
from sklearn.preprocessing import MinMaxScaler
```

```
scaler=MinMaxScaler()
```

```
height_scaled=scaler.fit_transform(df[['Height']])
weight_scaled=scaler.fit_transform(df[['Weight']])
```

data put into dataframe

```
height_scaled=pd.DataFrame(height_scaled,columns=['height_scaled'])
weight_scaled=pd.DataFrame(weight_scaled,columns=['weight_scaled'])
```

```
df=pd.concat([height_scaled,weight_scaled],axis=1)
```

normalization min=0,max=1

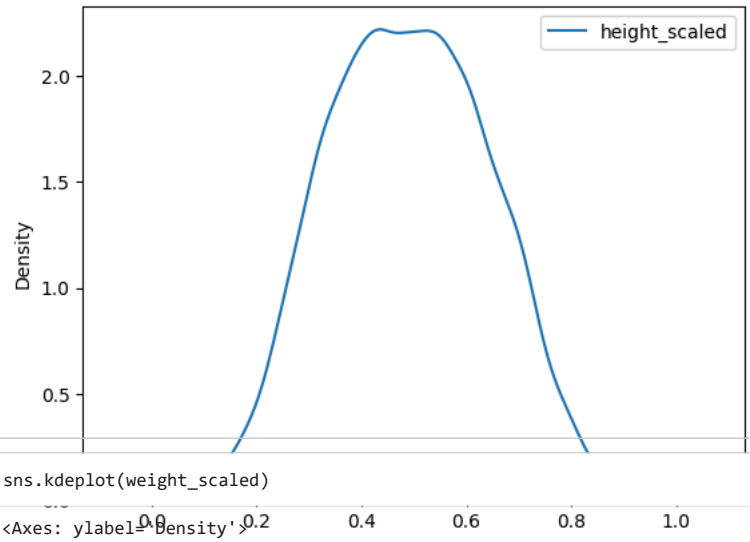
```
df.describe()
```

	height_scaled	weight_scaled
count	10000.000000	10000.000000
mean	0.489352	0.471238
std	0.155546	0.156406
min	0.000000	0.000000
25%	0.373651	0.346427
50%	0.487352	0.470130
75%	0.602820	0.596569
max	1.000000	1.000000

After Normalization Graphs

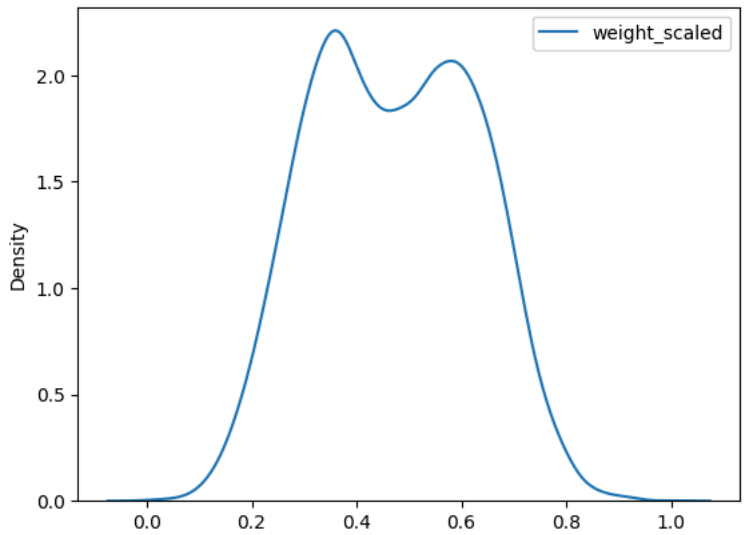
```
sns.kdeplot(height_scaled)
```

```
<Axes: ylabel='Density'>
```




```
sns.kdeplot(weight_scaled)
```

```
<Axes: ylabel='Density'>
```



Start coding or generate with AI.