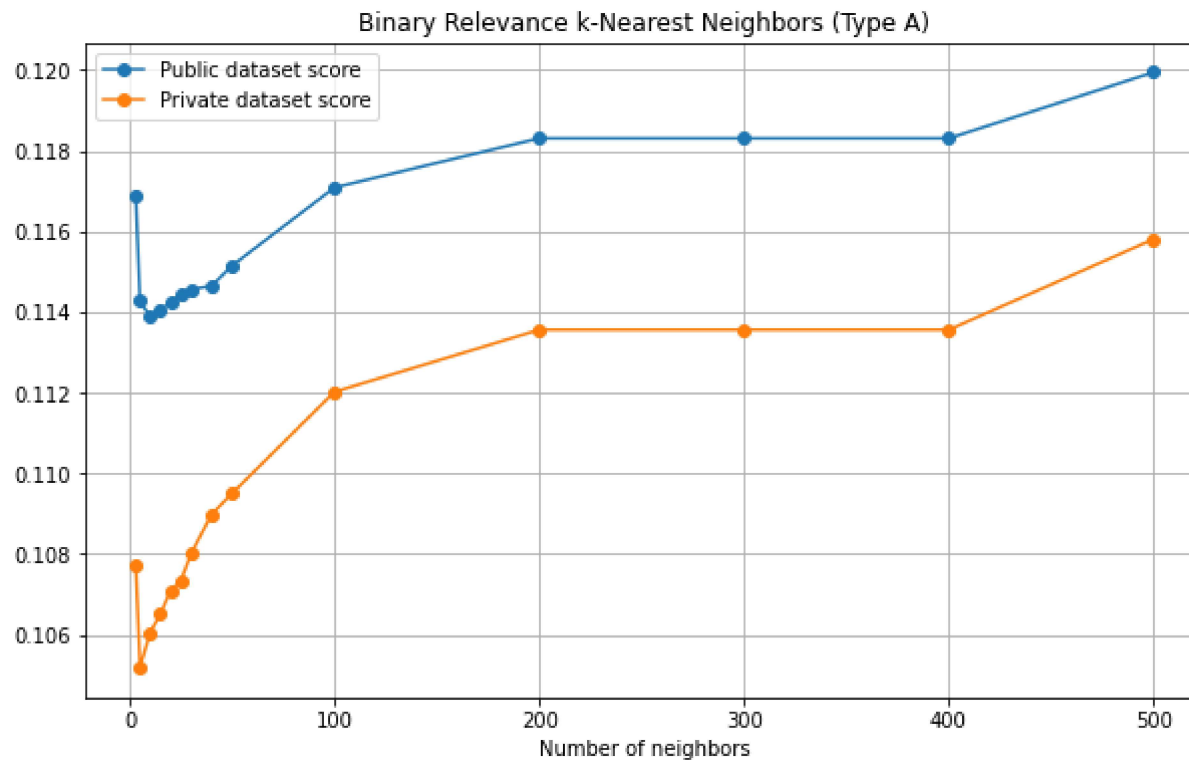


```
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_excel("BRkNNaClassifierA.xlsx")
x_axis = "Number of neighbors"
y_axis = ["Public dataset score", "Private dataset score"]
df.plot(x = x_axis, y = y_axis,
        figsize = (10,6), grid = True, marker='o',
        title = "Binary Relevance k-Nearest Neighbors (Type A)")
```

<matplotlib.axes._subplots.AxesSubplot at 0x7f8dedf54350>

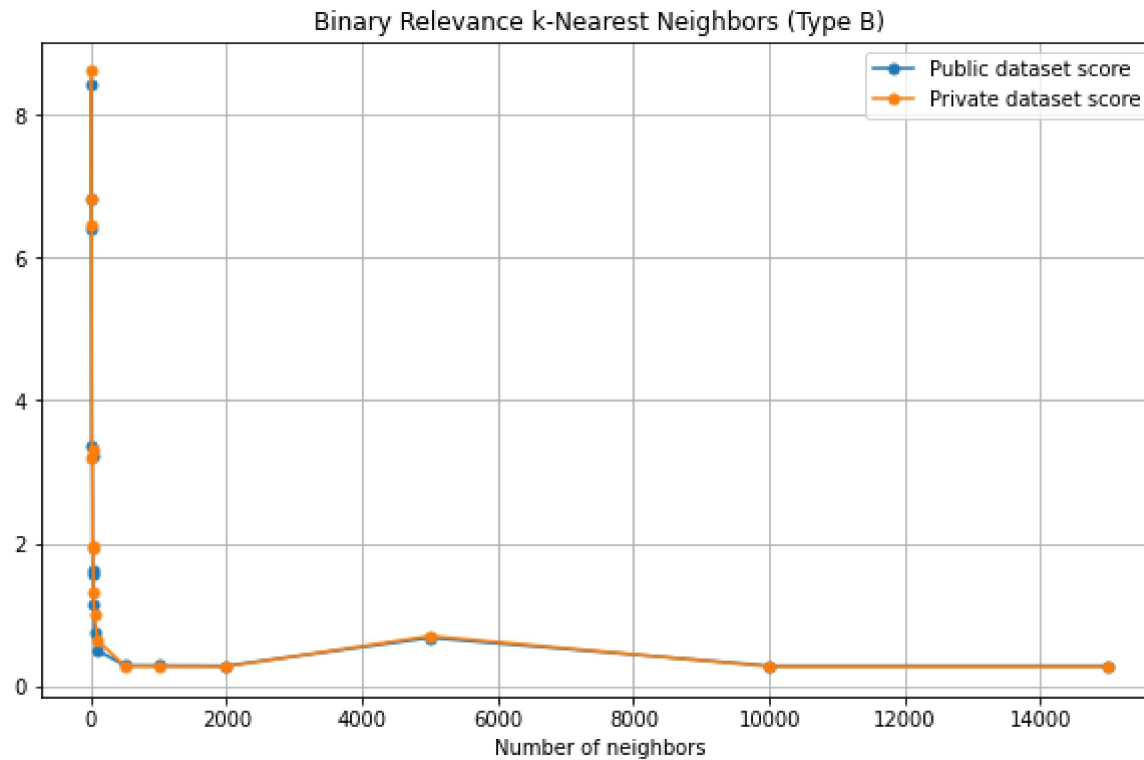


```
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_excel("BRkNNaClassifierA.xlsx")
```

```
df = pd.read_excel("BRkNNbClassifierB.xlsx")
x_axis = "Number of neighbors"
y_axis = ["Public dataset score", "Private dataset score"]
df.plot(x = x_axis, y = y_axis,
        figsize = (10,6), grid = True, marker='o', markersize=5,
        title = "Binary Relevance k-Nearest Neighbors (Type B)")
```

<matplotlib.axes._subplots.AxesSubplot at 0x7f8dedecfdd0>

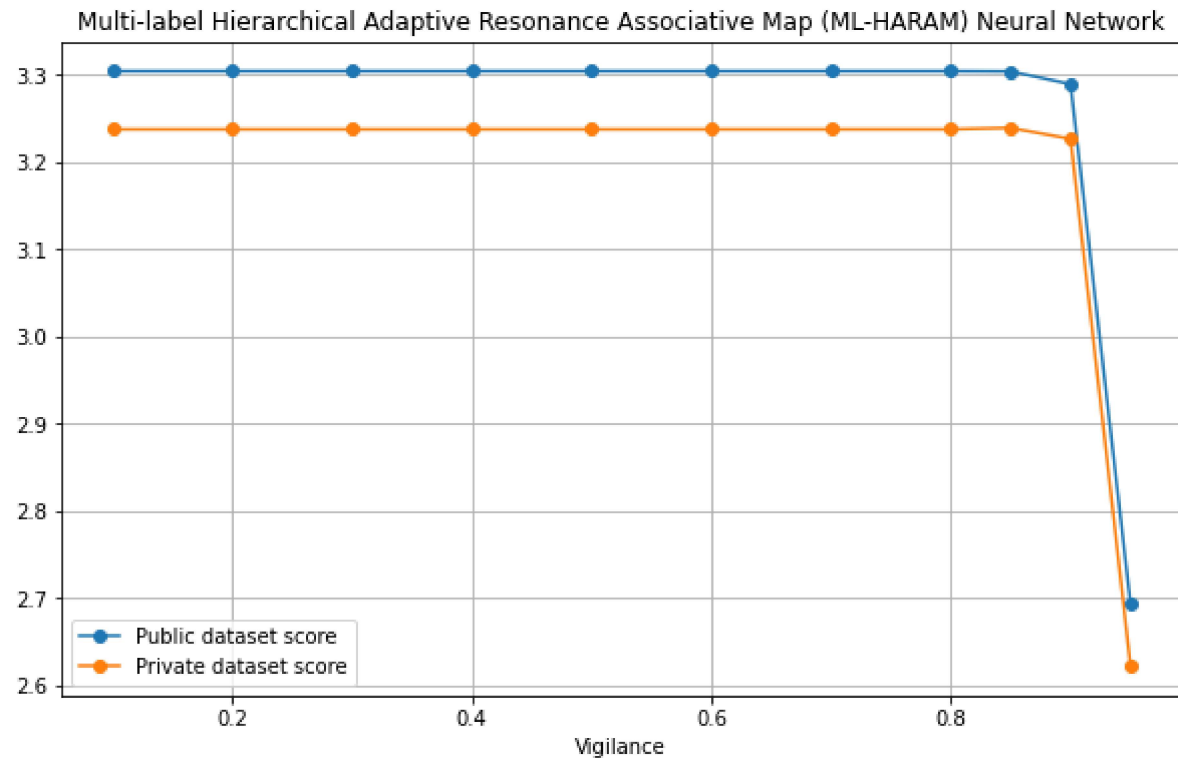


```
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_excel("MultilabelARAM.xlsx")
x_axis = "Vigilance"
y_axis = ["Public dataset score", "Private dataset score"]
df.plot(x = x_axis, y = y_axis,
        figsize = (10,6), grid = True, marker='o',
```

```
title = "Multi-label Hierarchical Adaptive Resonance Associative Map (ML-HARAM) Neural Network")
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f8dede57e50>
```

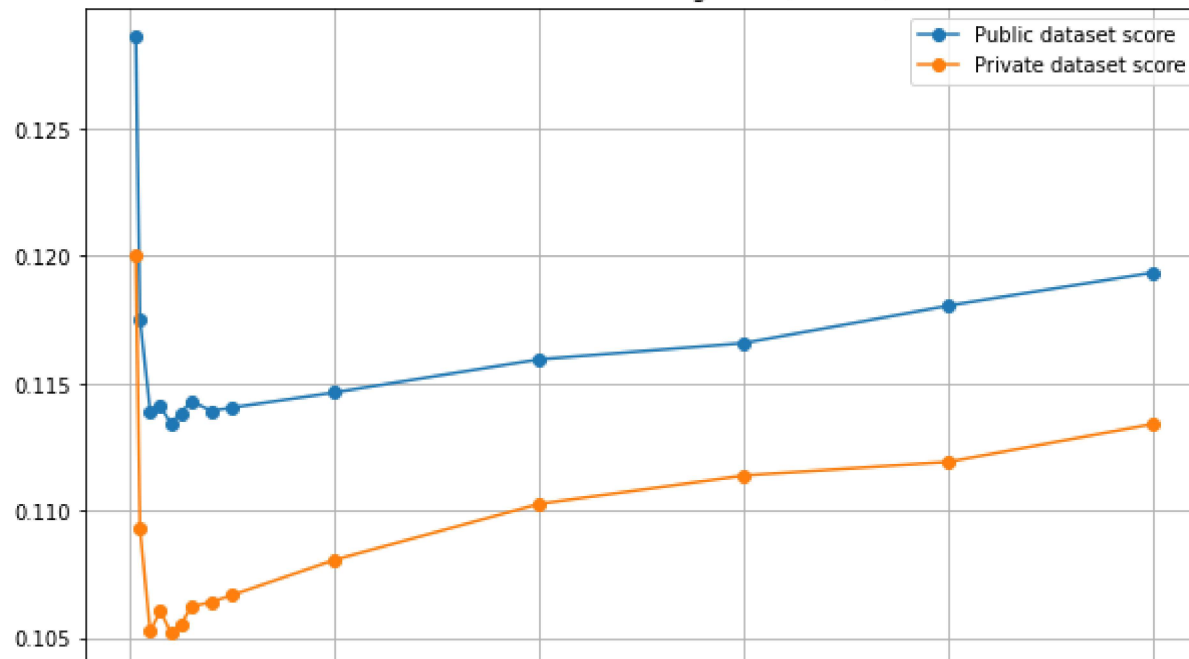


```
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_excel("ML-KNN.xlsx")
x_axis = "Number of neighbors"
y_axis = ["Public dataset score", "Private dataset score"]
df.plot(x = x_axis, y = y_axis,
        figsize = (10,6), grid = True, marker='o',
        title = "Multi-label k-nearest neighbors (ML-kNN)")
```

<matplotlib.axes._subplots.AxesSubplot at 0x7f8dedd6a3d0>

Multi-label k-nearest neighbors (ML-kNN)



```
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_excel("CustomNeuralNetwork.xlsx")
x_axis = "Epochs"
y_axis = ["Public dataset score", "Private dataset score"]
df.plot(x = x_axis, y = y_axis,
        figsize = (10,6), grid = True, marker='o',
        title = "Custom Neural Network with batch size = 100")
```

<matplotlib.axes._subplots.AxesSubplot at 0x7f8dedd56f90>

