# [2024-06-05 11:44:13] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, month, day

input\_size: 3

hidden\_size: [64, 32, 16]

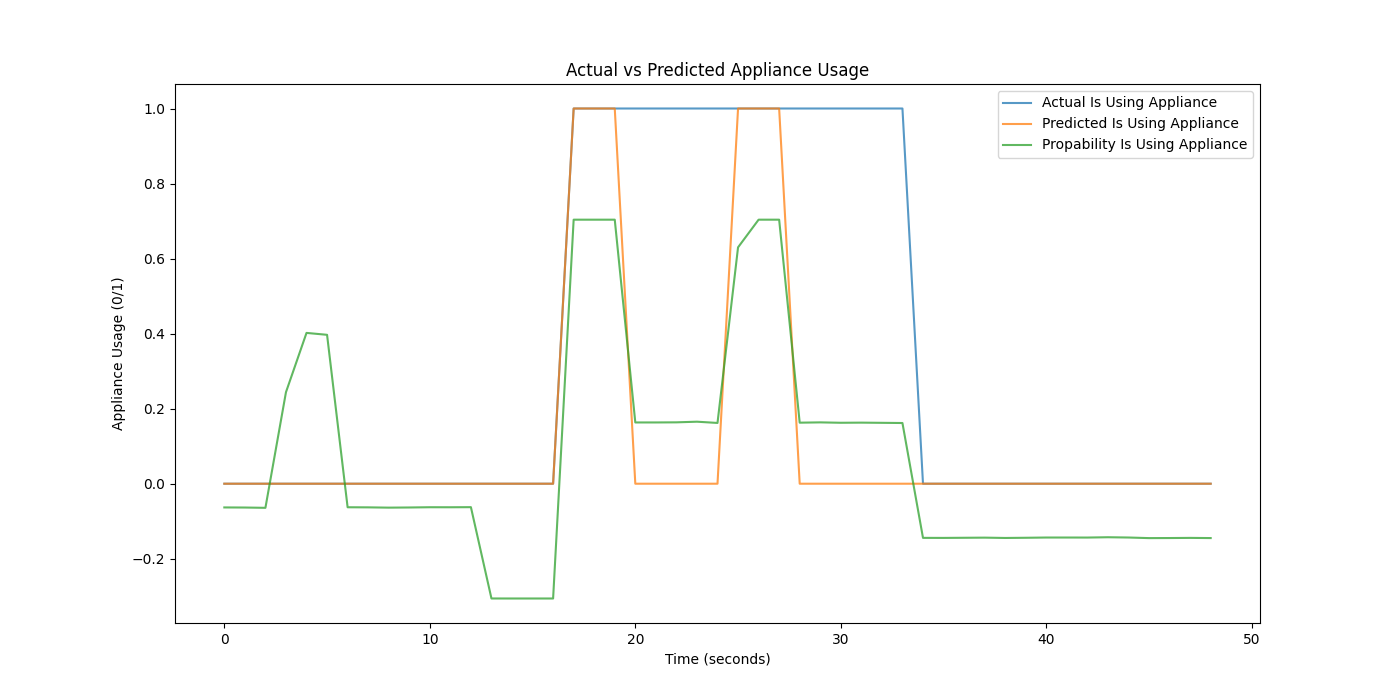
learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

function: Sigmoid

epochs: 1000

accuracy: 0.81



# [2024-06-05 12:43:37] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, month, day

input\_size: 3

hidden\_size: [9, 27, 81, 27, 9]

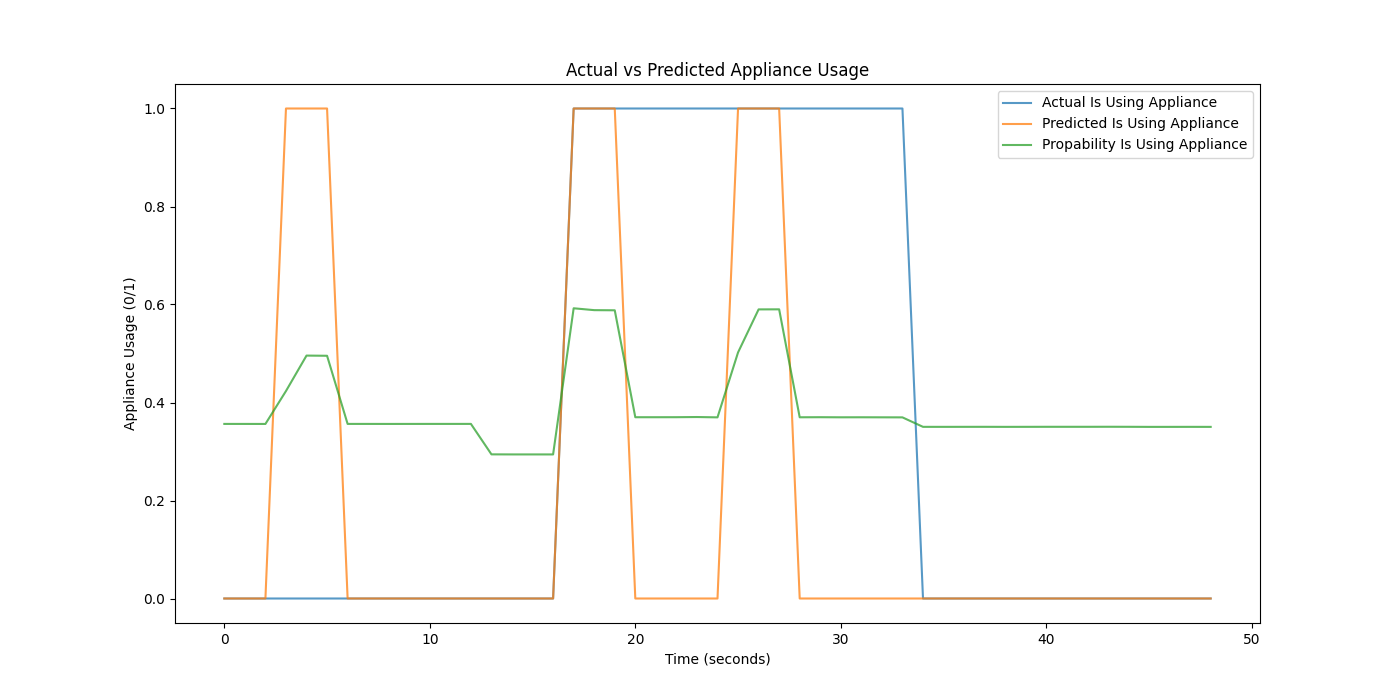
learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

function: Sigmoid

epochs: 1000

accuracy: 0.63



# [2024-06-05 13:48:45] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, month, day

input\_size: 3

hidden\_size: [9, 27, 81, 27, 9]

learning\_rate: 0.00025

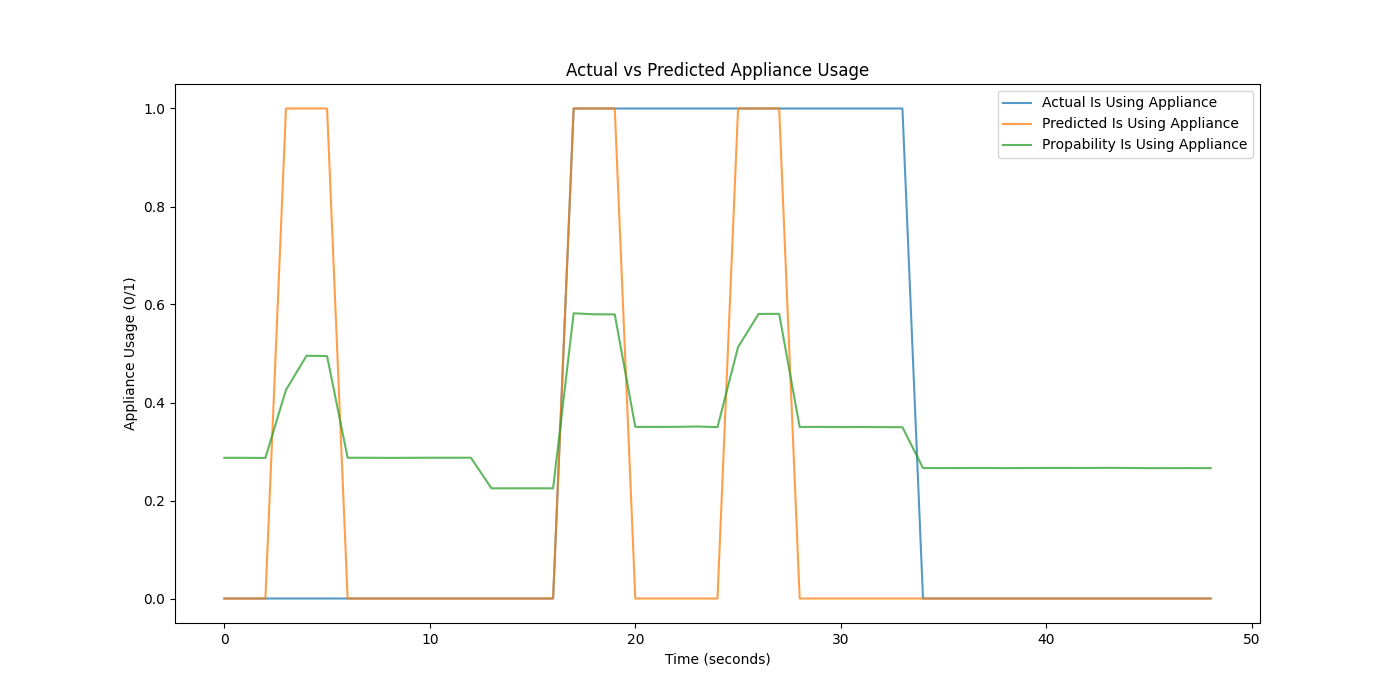
neural\_network: DeepBinaryClassifier

function: Sigmoid

test\_size: 0.2

random\_state: 42

epochs: 1000



# [2024-06-05 16:18:49] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, day

input\_size: 3

hidden\_size: [81, 81, 81, 27, 9, 3]

learning\_rate: 0.0005

neural\_network: DeepBinaryClassifier

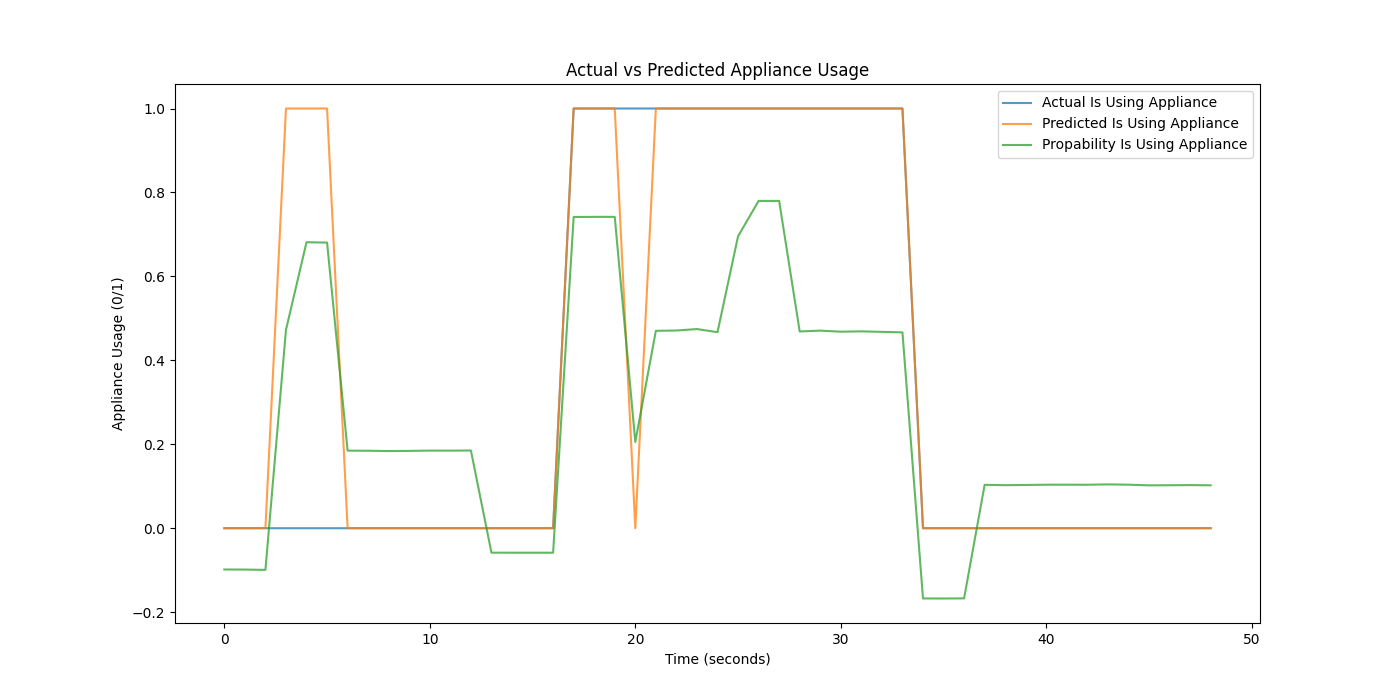
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.6424232125282288

epochs: 1000



# [2024-06-24 14:49:58] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [52, 79, 52, 27]

learning\_rate: 0.0005

neural\_network: DeepBinaryClassifier

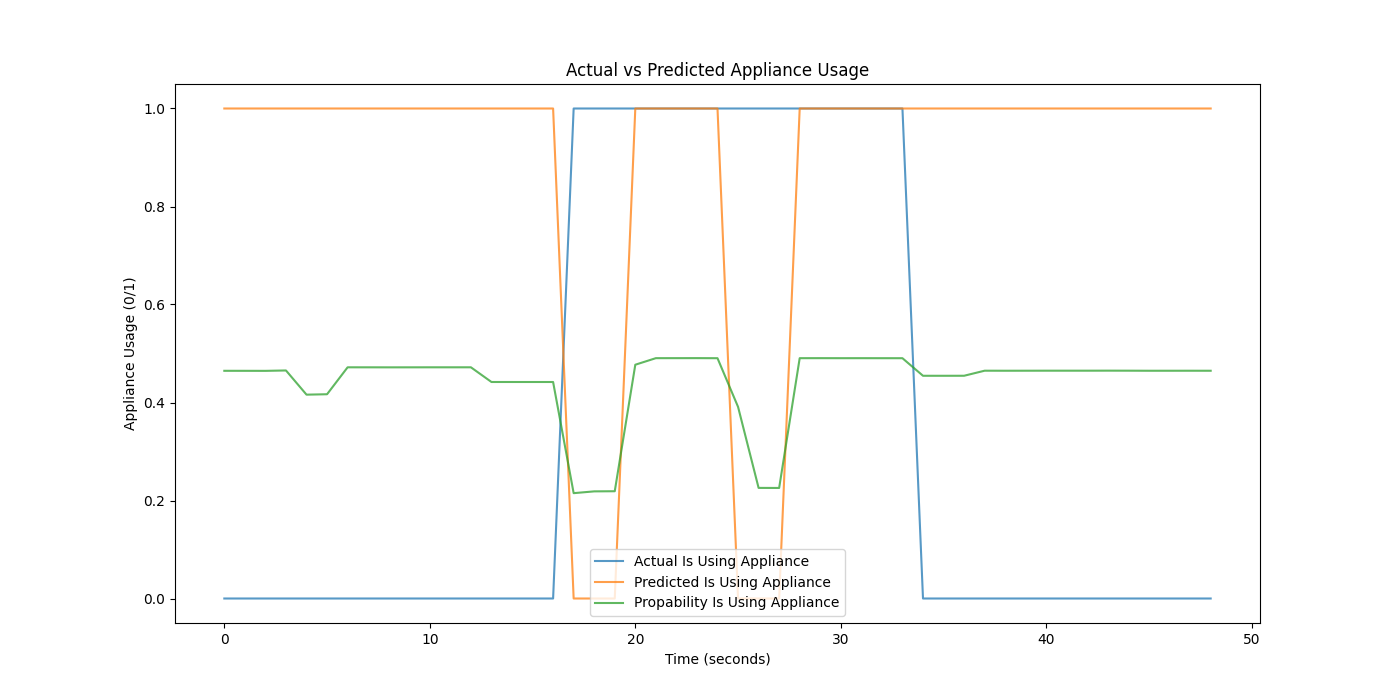
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.6372659206390381

epochs: 100



# [2024-06-24 15:12:53] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [32, 128, 64, 128]

learning\_rate: 0.0005

neural\_network: DeepBinaryClassifier

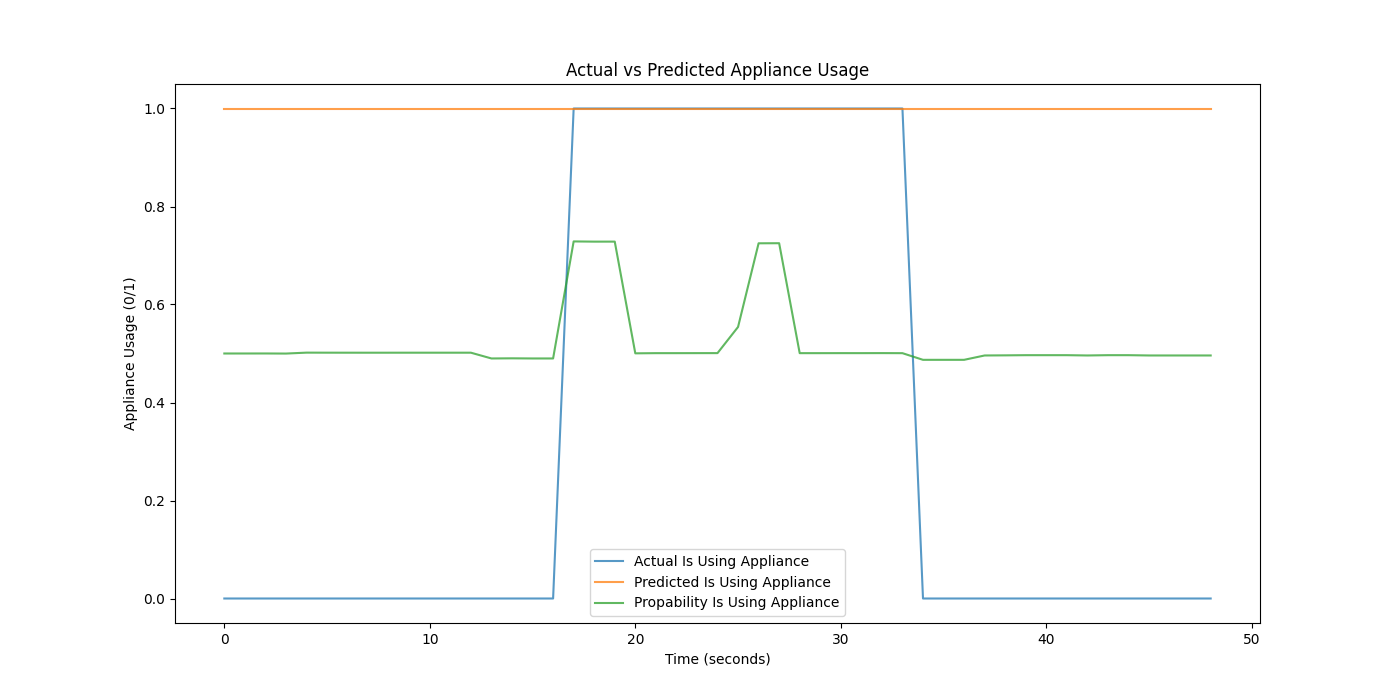
function: Sigmoid

test\_size: 0.3

random\_state: 23

accuracy: 0.5064312815666199

epochs: 100



# [2024-06-24 15:24:46] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128, 128]

learning\_rate: 0.0005

neural\_network: DeepBinaryClassifier

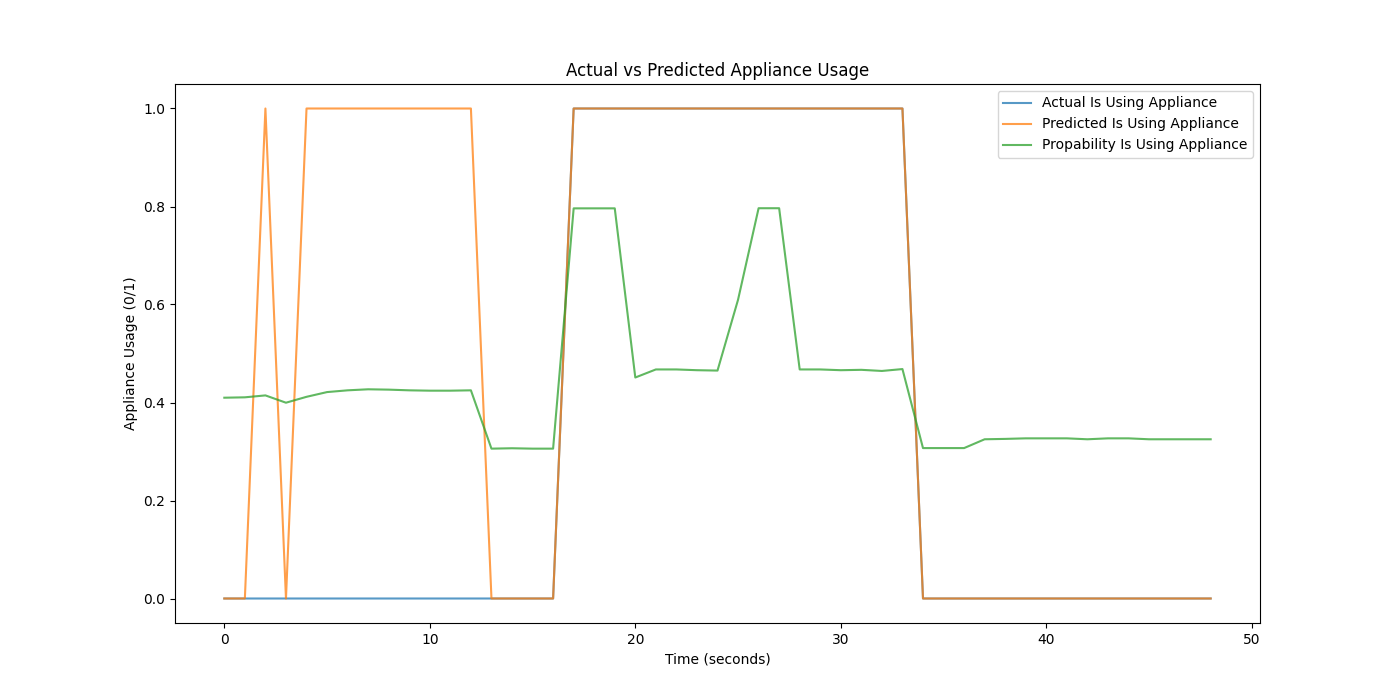
function: Sigmoid

test\_size: 0.15

random\_state: 50

accuracy: 0.7042233943939209

epochs: 100



# [2024-06-24 15:41:53] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128, 128]

learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

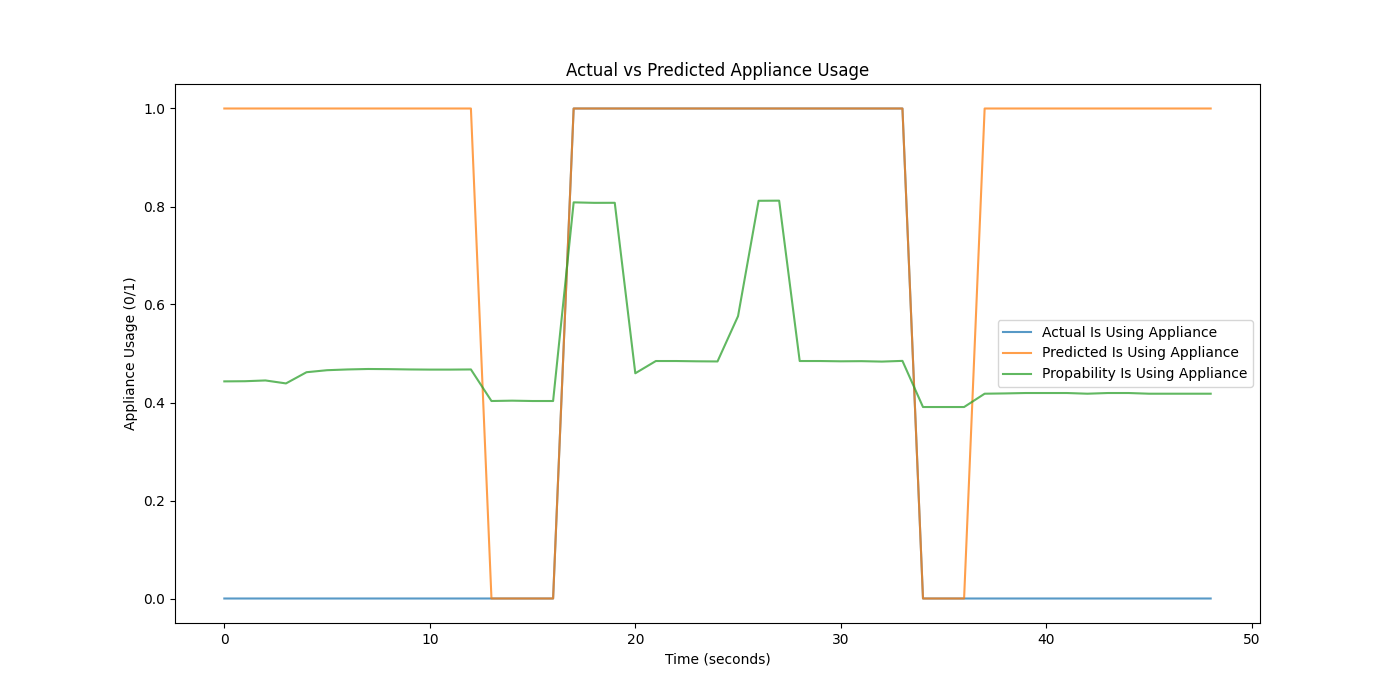
function: Sigmoid

test\_size: 0.15

random\_state: 42

accuracy: 0.6784722208976746

epochs: 100



# [2024-06-24 16:01:56] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128, 128]

learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

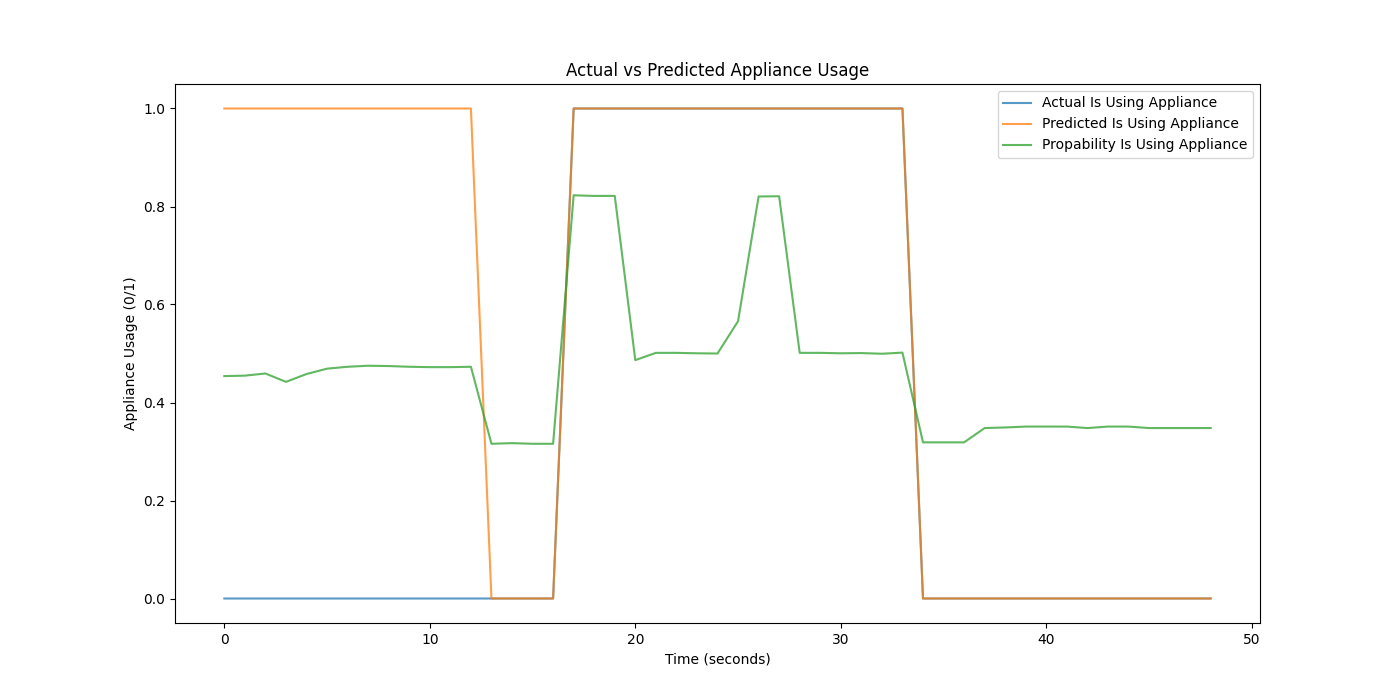
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.7010364532470703

epochs: 100



# [2024-06-24 16:33:31] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [128, 128, 256, 256]

learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

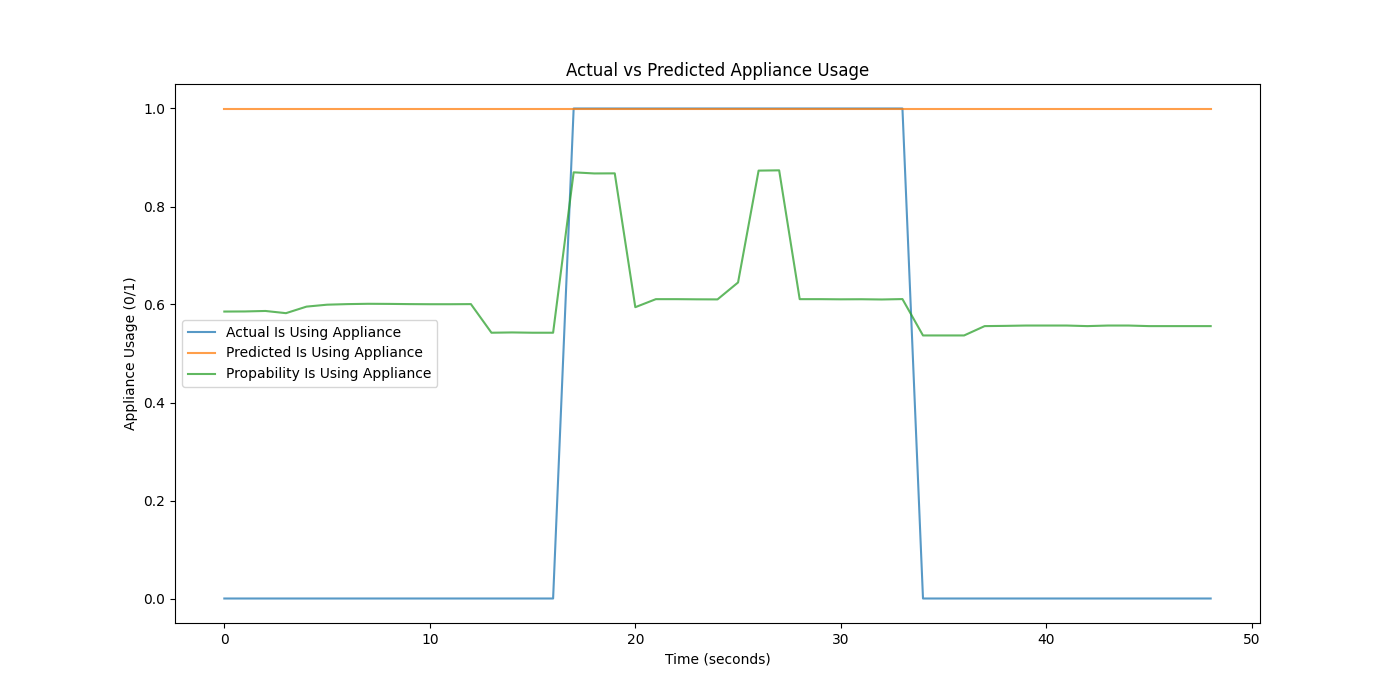
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.5589025616645813

epochs: 100



# [2024-06-25 13:19:11] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128, 128]

learning\_rate: 0.0002

neural\_network: DeepBinaryClassifier

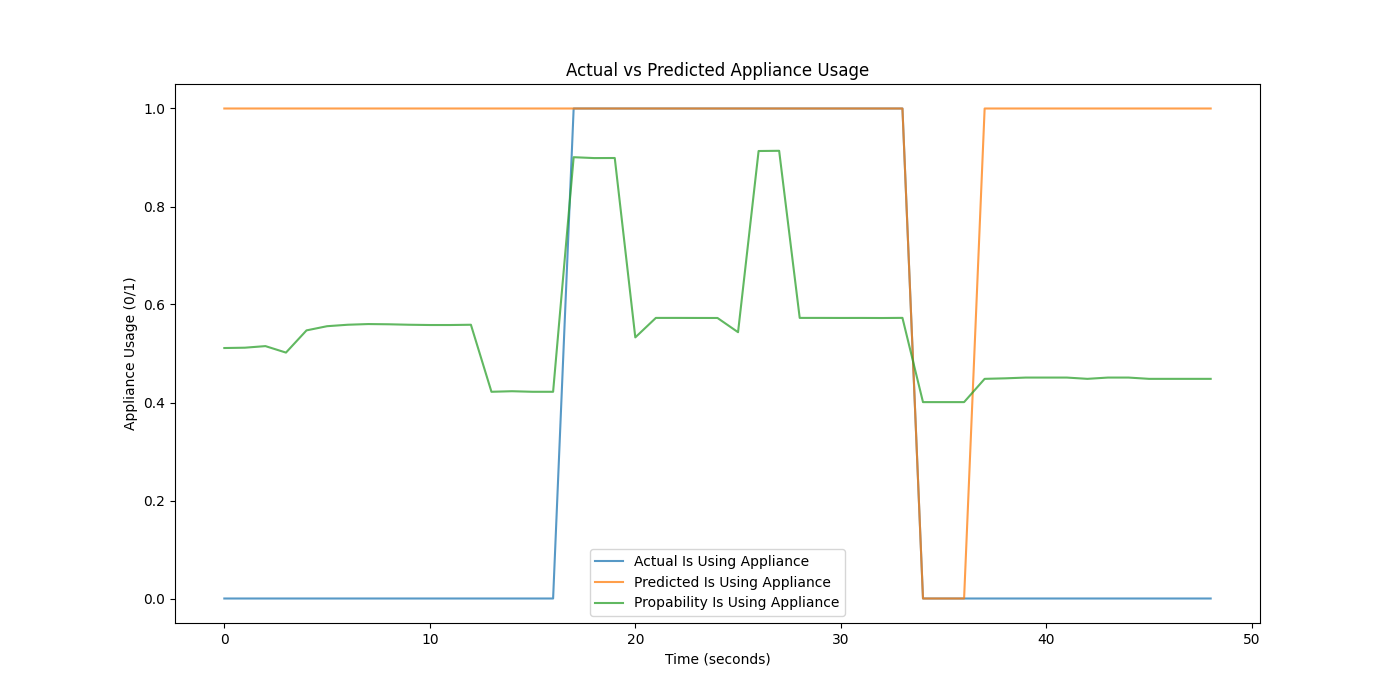
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.589890718460083

epochs: 1000



# [2024-06-25 13:20:39] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128, 128]

learning\_rate: 0.0009

neural\_network: DeepBinaryClassifier

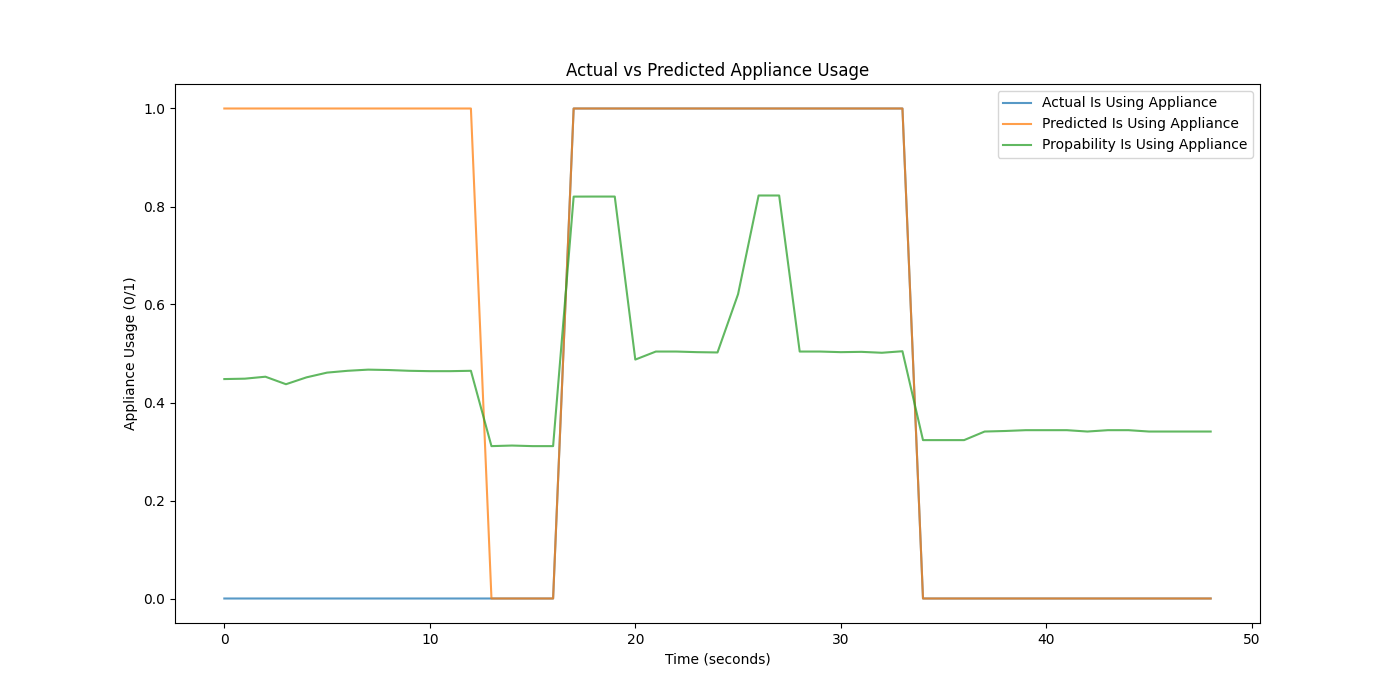
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.6960543990135193

epochs: 100



# [2024-06-25 13:22:20] Model prediction

Appliance: {'id': 2, 'name': 'dishwaser'}

Chosen datetime: 2011-04-22 20:22:00

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128, 128]

learning\_rate: 0.0009

neural\_network: DeepBinaryClassifier

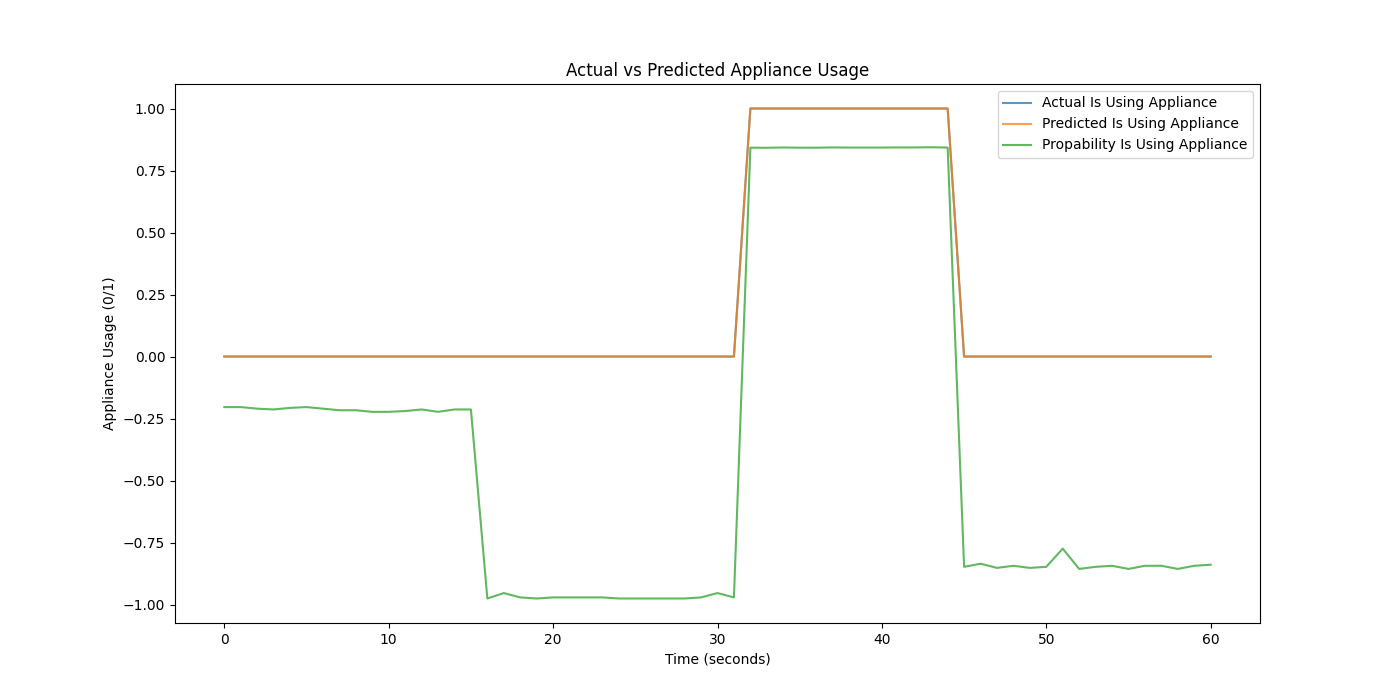
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.9254475235939026

epochs: 100



# [2024-06-25 13:29:27] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128]

learning\_rate: 0.0009

neural\_network: DeepBinaryClassifier

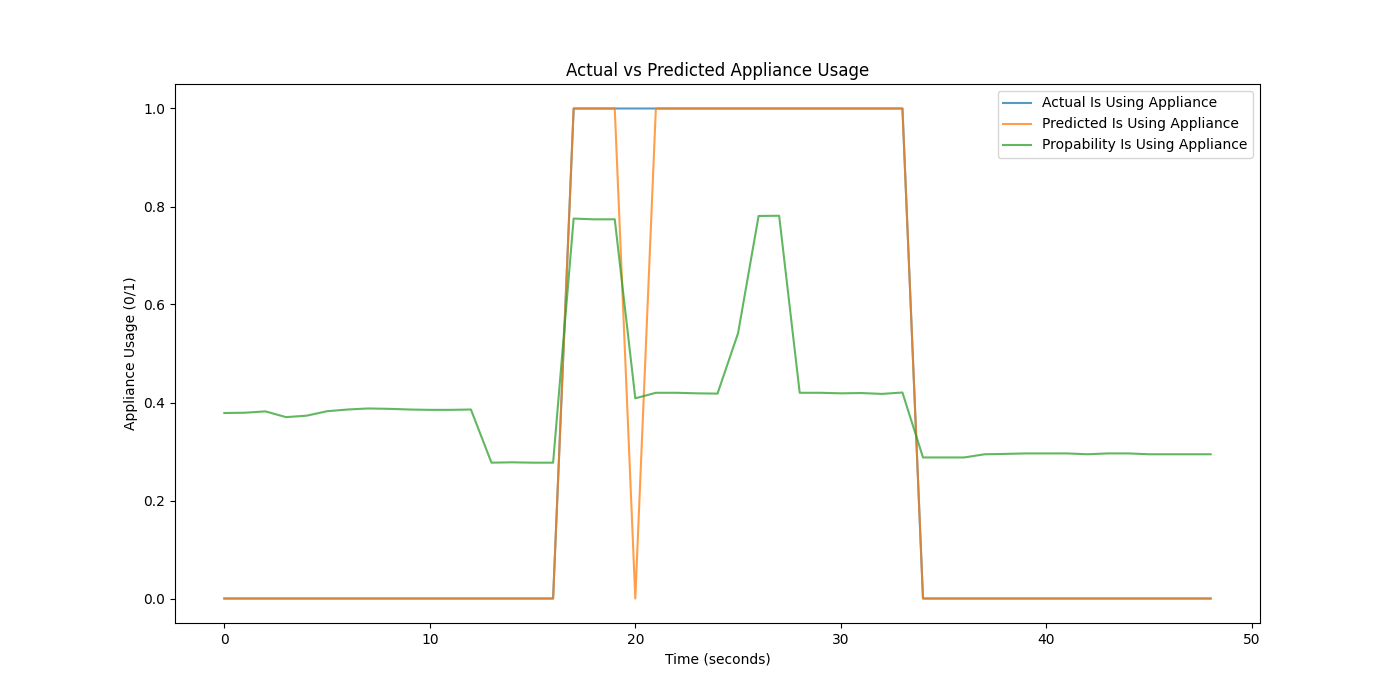
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.7557942867279053

epochs: 100



# [2024-06-25 13:30:54] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128]

learning\_rate: 0.002

neural\_network: DeepBinaryClassifier

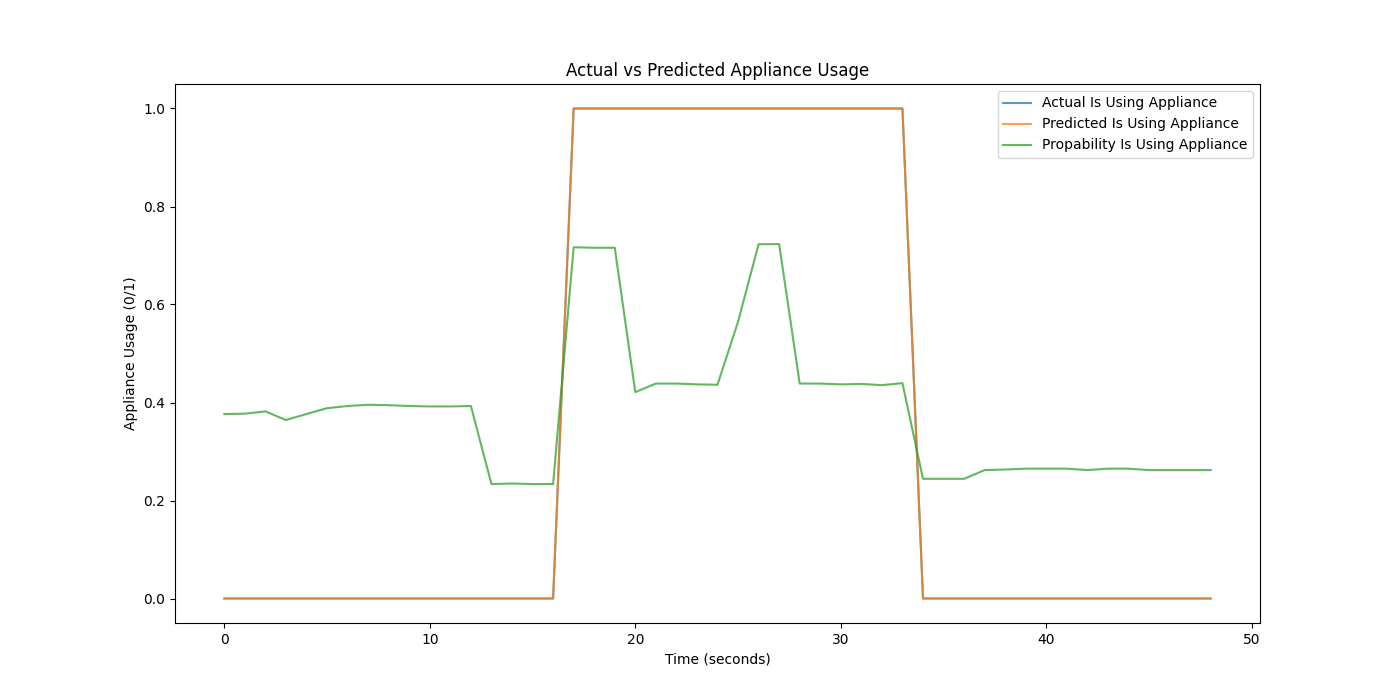
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.7656553983688354

epochs: 100



# [2024-06-25 13:37:26] Model prediction

Appliance: {'id': 6, 'name': 'microwave'}

Chosen datetime: 2011-04-18 12:59:48

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128]

learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

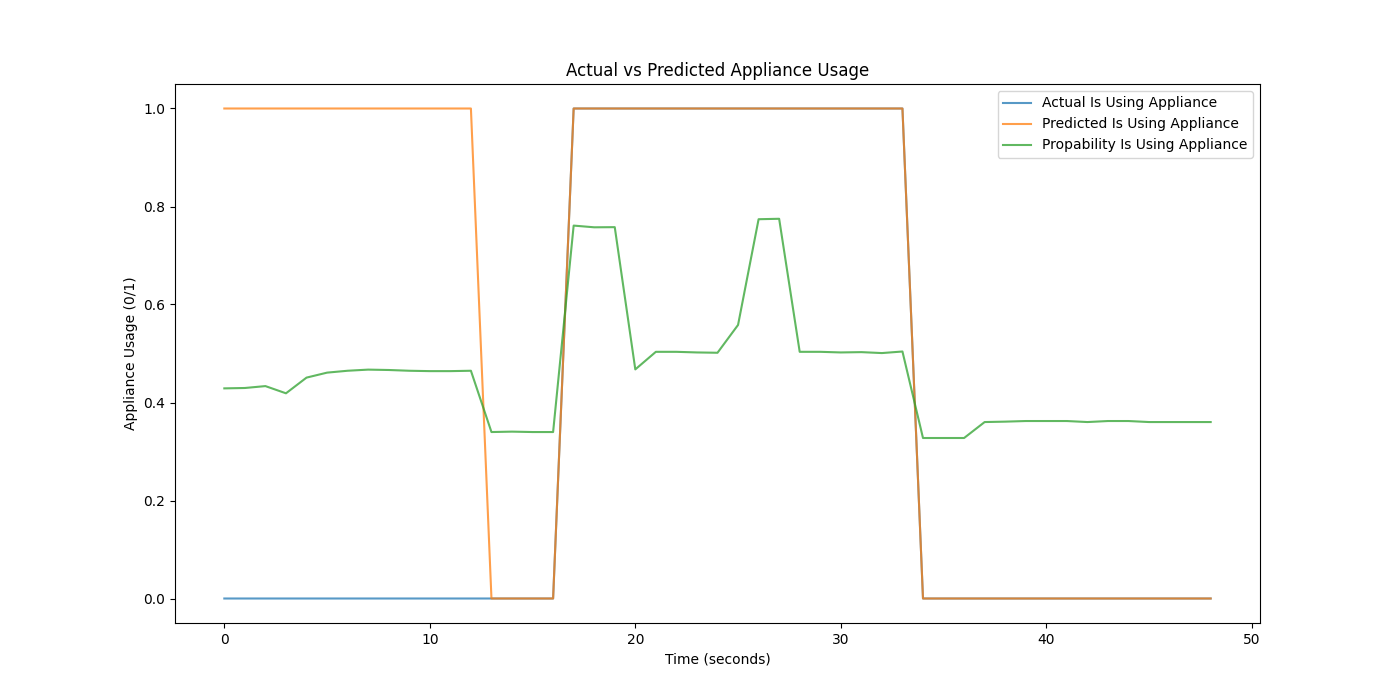
function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.7278826236724854

epochs: 1000



# [2024-06-25 13:39:52] Model prediction

Appliance: {'id': 8, 'name': 'refrigerator'}

Chosen datetime: 2011-05-27 17:32:45

inputs: power\_usage, hour, weekday

input\_size: 3

hidden\_size: [64, 128]

learning\_rate: 0.001

neural\_network: DeepBinaryClassifier

function: Sigmoid

test\_size: 0.2

random\_state: 42

accuracy: 0.3948265612125397

epochs: 1000

