PCA False

Best K I found: 1
Best K from toolbox: 1

Test NN Toolbox Accuracy: 75.0%

Test myKNN with best K found: 1

Accuracy: 98.0%

Best BW I found: 0.305

Best BW from toolbox: 0.464158883361

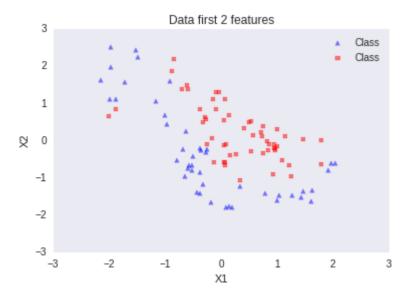
Accuracy: 61.0%

Test myParzen with best BW found: 0.305

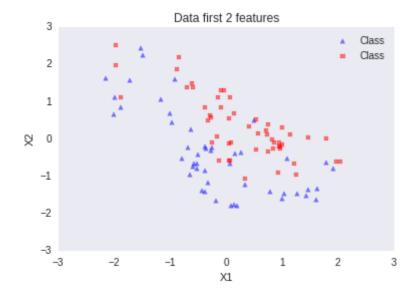
Accuracy: 62.0%

(100, 10) (80,) (100,)

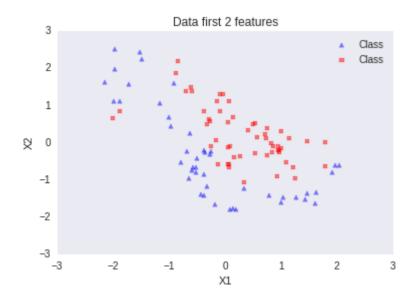
Accuracy: 87.0% Real test data



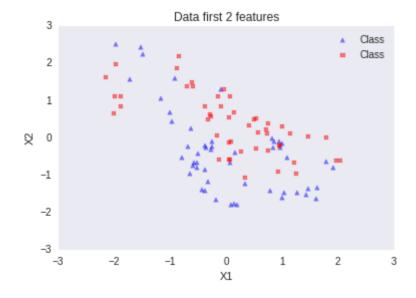
Predicted test data



Accuracy: 82.0% Real test data



Predicted test data



Accuracy: 49.0% Accuracy: 87.0% Accuracy: 87.0% Accuracy: 92.0% Accuracy: 91.0%

KPCA True

Best K I found: 1
Best K from toolbox: 1

Test NN Toolbox Accuracy: 62.5%

Test myKNN with best K found: 1

Accuracy: 88.0%

Best BW I found: 0.005 Best BW from toolbox: 0.1

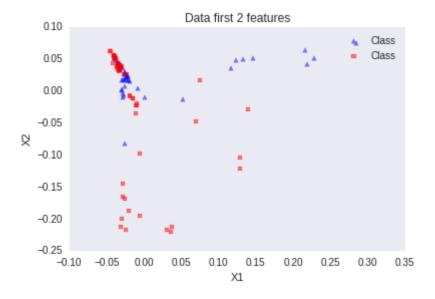
Accuracy: 45.0%

Test myParzen with best BW found: 0.005

Accuracy: 45.0%

(80, 9) (100, 9) (80,) (100,)

Accuracy: 91.0% Real test data





Accuracy: 92.0% Real test data





Accuracy: 60.0% Accuracy: 45.0% Accuracy: 90.0% Accuracy: 50.0% Accuracy: 45.0%

PCA False

Best K I found: 1
Best K from toolbox: 1

Test NN Toolbox

Accuracy: 100.0%

Best BW I found: 0.755

Best BW from toolbox: 0.278255940221

Accuracy: 48.333333333333336%

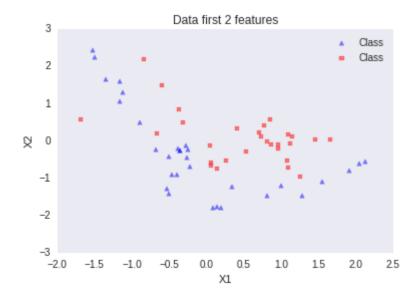
Test myParzen with best BW found: 0.755

Accuracy: 48.333333333333336%

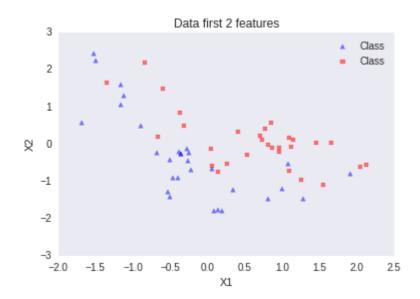
(120, 10) (60, 10) (120,) (60,)

Accuracy: 88.333333333333333

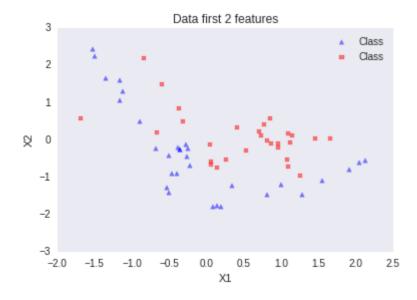
Real test data

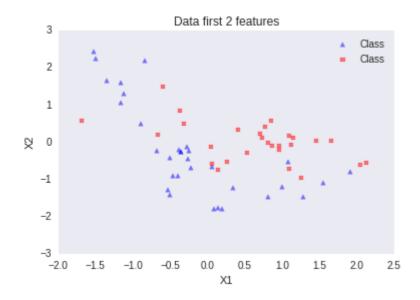


Predicted test data



Accuracy: 91.6666666666666%





Accuracy: 51.6666666666667%

Accuracy: 90.0%

Accuracy: 93.333333333333333

Accuracy: 100.0%

Accuracy: 96.6666666666667%

KPCA True

Best K I found: 3
Best K from toolbox: 1

Test NN Toolbox Accuracy: 75.0%

Test myKNN with best K found: 3 Accuracy: 93.333333333333333

Best BW I found: 0.005 Best BW from toolbox: 0.1 Accuracy: 51.6666666666667%

Test myParzen with best BW found: 0.005

Accuracy: 56.6666666666664%

(120, 9) (60, 9) (120,) (60,)

Accuracy: 95.0% Real test data



Predicted test data



Accuracy: 88.333333333333333





Accuracy: 48.333333333333336% Accuracy: 93.3333333333333

Accuracy: 95.0%

PCA False

Best K I found: 1 Best K from toolbox: 1

Test NN Toolbox

Accuracy: 86.6666666666667% Test myKNN with best K found: 1

Accuracy: 100.0%

Best BW I found: 0.805

Best BW from toolbox: 0.278255940221

Accuracy: 66.66666666666666

Test myParzen with best BW found: 0.805

Accuracy: 60.0%

(30, 10 (150,) (30,)

Accuracy: 83.3333333333334%

Real test data



Predicted test data



Accuracy: 93.333333333333333





Accuracy: 46.6666666666664%

Accuracy: 80.0% Accuracy: 80.0% Accuracy: 100.0%

Accuracy: 96.666666666667%

KPCA True

Best K I found: 1
Best K from toolbox: 1
Test NN Toolbox

Best BW I found: 0.005 Best BW from toolbox: 0.1 Accuracy: 43.3333333333333336%

Test myParzen with best BW found: 0.005

Accuracy: 50.0%

(30, 9) (150,) (30,)

Accuracy: 93.333333333333333

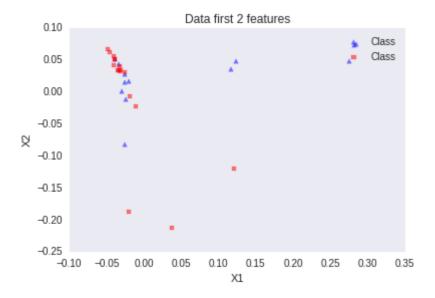
Real test data



Predicted test data



Accuracy: 93.333333333333333





Accuracy: 60.0%

KPCA False

Best K I found: 1
Best K from toolbox: 1

Test NN Toolbox

Accuracy: 94.11764705882352% Test myKNN with best K found: 1

Accuracy: 100.0%

Best BW I found: 0.055

Best BW from toolbox: 0.278255940221

Accuracy: 100.0%

Test myParzen with best BW found: 0.055

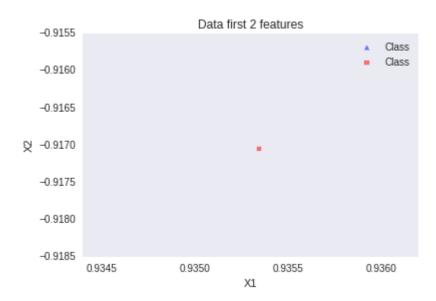
Accuracy: 100.0%

(179, 10) (1, 10) (179,) (1,)

Accuracy: 100.0% Real test data



Predicted test data



Accuracy: 100.0% Real test data





Accuracy: 0.0% Accuracy: 100.0% Accuracy: 100.0% Accuracy: 100.0% Accuracy: 100.0%

KPCA True

Best K I found: 1
Best K from toolbox: 1

Test NN Toolbox

Accuracy: 64.70588235294117% Test myKNN with best K found: 1

Accuracy: 100.0%

Best BW I found: 0.005 Best BW from toolbox: 0.1

Accuracy: 0.0%

Test myParzen with best BW found: 0.005

Accuracy: 100.0%

(179, 9) (1, 9) (179,) (1,)

Accuracy: 100.0% Real test data



Predicted test data



Accuracy: 100.0% Real test data





Accuracy: 100.0% Accuracy: 100.0% Accuracy: 100.0% Accuracy: 100.0% Accuracy: 0.0%