Work repository https://github.com/akhiyarwaladi/ml\_pr1

**6**

(py35) D:\LMS\mik\ml\pr1>python perceptron.py

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EPOCH0

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row data: [1, 0, 1, 0]

prediction: 1.0 error: -1.0

['w1', 'w2', 'w3'] = [0.0, 0.0, -0.2]

row data: [0, 0, 0, 0]

prediction: 0.0 error: 0.0

['w1', 'w2', 'w3'] = [0.0, 0.0, -0.2]

row data: [0.5, 0, 1, 1]

prediction: 0.0 error: 1.0

['w1', 'w2', 'w3'] = [0.1, 0.0, 0.0]

row data: [1, 1, 0, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [0.1, 0.0, 0.0]

row data: [0, 1, 0.5, 1]

prediction: 0.0 error: 1.0

['w1', 'w2', 'w3'] = [0.1, 0.2, 0.1]

>epoch=0, lrate=0.200, error=3.000

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EPOCH1

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row data: [1, 0, 1, 0]

prediction: 1.0 error: -1.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, -0.1]

row data: [0, 0, 0, 0]

prediction: 0.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, -0.1]

row data: [0.5, 0, 1, 1]

prediction: 0.0 error: 1.0

['w1', 'w2', 'w3'] = [0.0, 0.2, 0.1]

row data: [1, 1, 0, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [0.0, 0.2, 0.1]

row data: [0, 1, 0.5, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [0.0, 0.2, 0.1]

>epoch=1, lrate=0.200, error=2.000

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EPOCH2

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row data: [1, 0, 1, 0]

prediction: 1.0 error: -1.0

['w1', 'w2', 'w3'] = [-0.2, 0.2, -0.1]

row data: [0, 0, 0, 0]

prediction: 0.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.2, 0.2, -0.1]

row data: [0.5, 0, 1, 1]

prediction: 0.0 error: 1.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

row data: [1, 1, 0, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

row data: [0, 1, 0.5, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

>epoch=2, lrate=0.200, error=2.000

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EPOCH3

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row data: [1, 0, 1, 0]

prediction: 0.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

row data: [0, 0, 0, 0]

prediction: 0.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

row data: [0.5, 0, 1, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

row data: [1, 1, 0, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

row data: [0, 1, 0.5, 1]

prediction: 1.0 error: 0.0

['w1', 'w2', 'w3'] = [-0.1, 0.2, 0.1]

>epoch=3, lrate=0.200, error=0.000

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Weight akhir [0, -0.1, 0.2, 0.1]

Andi diprediksi 1.0

Budi diprediksi 0.0

**7**

(py35) D:\LMS\mik\ml\pr1>python regression.py

sigSumSquareX1 24.66666666666667

sigSumSquareX2 2.0

sigSumSquareY 4.666666666666671

sigSumSquareX1X2 3.0

sigSumSquareX1Y 6.333333333333329

sigSumSquareX2Y 3.0

a 0.8181818181818183

b1 0.09090909090909065

b2 1.363636363636364

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EPOCH0

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data ke= 0 ; error= -8.881784197001252e-16 ; hasil\_prediksi= 5.000000000000001

new weight

a= 0.8181818181818181

b1= 0.09090909090909047

b2= 1.3636363636363635

data ke= 1 ; error= 2.6645352591003757e-15 ; hasil\_prediksi= 3.9999999999999973

new weight

a= 0.8181818181818187

b1= 0.09090909090909313

b2= 1.3636363636363646

data ke= 2 ; error= -2.220446049250313e-14 ; hasil\_prediksi= 7.000000000000022

new weight

a= 0.8181818181818142

b1= 0.0909090909090576

b2= 1.3636363636363469

sum error: 5.009266748153425e-28

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EPOCH1

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data ke= 0 ; error= 8.79296635503124e-14 ; hasil\_prediksi= 4.999999999999912

new weight

a= 0.8181818181818318

b1= 0.09090909090907519

b2= 1.3636363636363997

data ke= 1 ; error= -7.105427357601002e-15 ; hasil\_prediksi= 4.000000000000007

new weight

a= 0.8181818181818303

b1= 0.09090909090906808

b2= 1.3636363636363968

data ke= 2 ; error= 3.730349362740526e-14 ; hasil\_prediksi= 6.999999999999963

new weight

a= 0.8181818181818378

b1= 0.09090909090912777

b2= 1.3636363636364266

sum error: 9.173663466815146e-27

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