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CSE 516 Machine Learning

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1. Perceptron training

Manually train perceptron based on the following weights

And the learning rate is

Update each weight at least 3 times.

Updating the values based on the following algorithm

The bias, , does not get updated

Therefore, beginning at we update based on ,

Now set ,

Finally, setting ,

1. Linear unit training

Manually train perceptron based on the following weights

And the learning rate is

Update each weight at least 3 times.

Updating the values based on the following algorithm

For each weight

For each

Then

Where initially,

The bias, , does not get updated

Therefore, we update based on and iterate entirely through *j*

Repeat for

1. Linear unit training

Manually train perceptron based on the following weights

And the learning rate is

Update each weight at least 3 times.

Updating the values based on the following algorithm

For each

For each

The bias, , does not get updated

Therefore, we update based on , then and iterate entirely through *j*

Continue until stop condition is met.