
Machine Learning

2018

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Solution for Assignment 2

Due date: 2/11 2018, 21:00pm

1. Theoretical Probability

(5 Points)

1. For $P(X)$ to be a density function, it is necessary that $\int x dx$

2. Simple Machine Learning Framework

(45 Points)

I implemented most of the framework but the weight updates seems wrong because the weights only change a little bit in the beginning and then remain constant.

The gradient may also not be correct because I was unable to implement the *check_gradient* function correctly.

3. Handwritten Digit Recognition

(35 Points)

Unfortunately, I could not even start this exercise since Section 2 was not finished.