
Machine Learning, 2024 Spring

Assignment 4

Notice

Plagiarizer will get 0 points.

\LaTeX is highly recommended. Otherwise you should write as legibly as possible.

Problem 1 For problem 3 in assignment 3, change your GD code to SGD and complete the tasks below:

- Present your code.
- How to choose (mini -) batch size?
- How to choose learning rate?
- How to terminate?
- Demonstrate the impact of different learning rates on the accuracy of the solution. In other words, your program should output an image similar to the image on page 34 of the Lecture 6-SGD PPT.

Solution: