

Journal 3-2

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Contents

1	Timeline	1
2	Progress	1
2.1	Muliclass SVM Loss	1
3	Project Discussion	2

1 Timeline

2 Progress

This week I continued researching Linear Classification from Karapathy's CS231n Lectures. I learned about basic loss functions, such as Muliclass SVM Loss. Here is an excerpt from some notes I took while watching his lecture:

2.1 Muliclass SVM Loss

$$L_i = \sum_{j \neq y_i} \max(0, s_j - s_{y_i} + 1) \quad (1)$$

j is the object with the highest score. y_i is the object which is trying to be classified. The loss of the function itself is:

$$L = 1/N \sum_{i=1}^N L_i \quad (2)$$

3 Project Discussion

Since progress has slowed since I got sick and last week we had visitors, I'm pushing my goal from last week to have a functional object detection algorithm by another two weeks. I will also have to work a little outside of class to account for some missed time but I hope to catch up.