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CS 498 - HW2

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1. For me, altering step size had a more positive effect on convergence than altering the regularization constant (. This is because while changing γ changes the constant rate of convergence, changing η allows convergence rate to be changed as a function of epoch number. This allows the algorithm to converge quickly and then only make small changes to ensure continued accuracy. The best combination I found was:

Where e is epoch number.

1. The classifier was correct 84.4% of the time on 10% test data.

