3. O learning rate \rightarrow 0.0001 minibatch size = 50 at beginning decay rate \rightarrow 0.95 every 1000 eteration.

initialize W, V with multivarious normal. (zero mean. 8=005)
use Nesteror accelerated growthent to increase speed of convergence.

(apply the momentum before calculating gradient)

1. Final: 99.7% training accuracy. 99.6% validation accuracy.

Denoing time: first, I use botch=00, iter=10,000 → 20 mins.

Then increase batch size. 50 → 100 → 200 → 2000.

→ 2000 → 5000 → 20000.

For each botch size. I iterate 5 epuches.

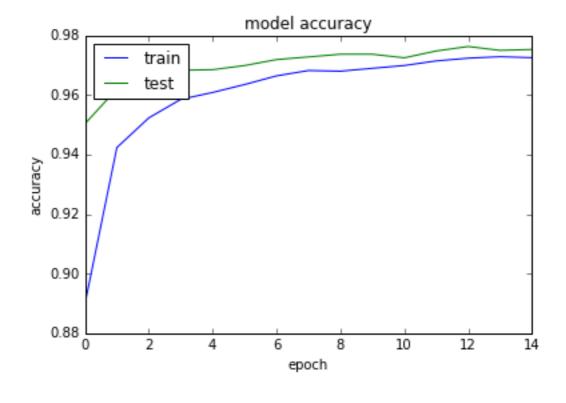
Although, I chart know why, the accuracy items increased after

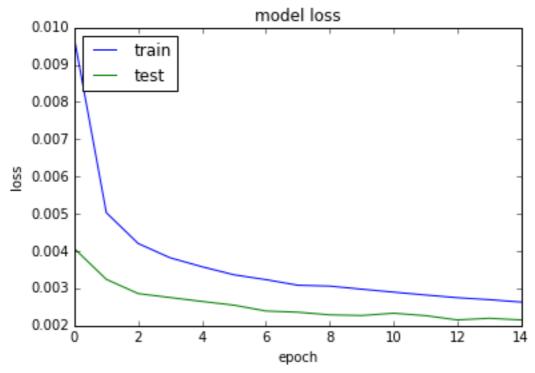
I. added batch size. (for botch =0, 97% is the highest, can't be improved any more).

4 plut and sure.

4. I used "L2 regularization." use log (3+0.1) transformation to propose on where (3) Nesteror momentum. (4) to feel numerical stability. I used trick mentioned.

in . pdf. $\frac{e^{2i} - mox\{e^{2i}\}}{\frac{1}{k}e^{3k} - max\{e^{2}\}}$.





Your Submissions

You are submitting as part of team ZhipengYu.

Make a submission »

Note: You can select up to **2** submissions to be used to calculate your final leaderboard score. If 2 submissions are not selected, they will be chosen based on your best submission scores on the public leaderboard.

Your final score will not be based on the same exact subset data as the public leaderboard, but rather a different private data subset of your full submission—your public score is only a rough indication of what your final score is. You should thus choose submissions that will most likely be best overall, and not necessarily just on the public subset.

Your team's final score will be the best private submission score from the 2 selected submissions.

Submission	Files	Public Score	Selected?
Wed, 02 Nov 2016 10:13:11 Edit description	kaggle	0.98480	⊌
Wed, 02 Nov 2016 09:20:23 Edit description	kaggle	0.97580	⋖