

Natural Language Processing - IMDB Movie Review

	Description	Hyperparameters	Number of Epochs	Training Loss	Training Accuracy	Test Accuracy	Comments
Part 3a	Given Model	adam optim with learning rate 0.001, Hidden Units = 500, Batch size = 200	75	3.9175	25.66%	27.08%	does not work well, only reach accuracy 27%
Part 3b	Generated Review	Temperature=1.0	<p>a girl , waiting to let her see that the one thing you can see this will midnight the music of the film . i 'll let you watch it before realizing that it 's a great lifetime movie . but i must warn it is a fiction that it defies your lesson . p.s . if you can watch such gorgeous films that end up being a poor hope you would n't go ahead and buy it . do yourself a favor and watch a film , a high 70 's movies like christmas , resident evil , the blue & white and the origins of the damned . open your heart are sometimes ... and you saw it a lot better . jet li is an amazing comedy , as well as the first two . `` it 's a generation " , and i both enjoyed it . i just wish anyone would watch this film again . it 's artistic and its original and is very nice ! i saw it as a heart attack when i was 17 years old . i still enjoyed it again . my strong complaint is that enter in her every 40 million way and a 3 minute old book . a christmas carol had been done under a boring studio by bad movies but particularly the players themselves brought to a new level . i found myself very disappointed with this film , although the u.s. version would have been better done to the cinema . a synopsis . when he asks a guy who so much he 'll never get a naked or still way away there will say better . i recommend you see this show is definitely what you will get in and rent . the screen is</p> <p>a single time , he was a girl . the only thing that made this movie worth watching is the ending , which is not even the worst . the acting is horrible . the acting was terrible . i think the director was trying to play a part of the movie . the plot was predictable , the acting was terrible , the plot was predictable , the direction was awful , the plot was bad . the acting was poor . the plot was bad . the acting was bad . the plot was bad . the acting was terrible . the acting was terrible . i thought the movie was really good but i think it was the worst movie i have ever seen . i would have given it a 3 out of 10 . it was n't meant to be a comedy , but it was i would never want to see this again . i would like to see the movie again . i have seen it many times since i was in the theater . i 'm sure this is a movie you would enjoy , but it 's not bad . it 's like watching a soap opera . it is about a guy who has a good time , and is a very good guy . the movie is a joke , and it 's just so bad that it 's hard to believe that it 's a bad movie . i mean , the movie is a joke . it 's just a bad movie . i mean , i think i 've seen a lot of movies in my life , and i do n't know what you are supposed to be . i mean , i do n't think any</p>				with temperature 1.0 the reviews are easy to undertand than those with tempture 0.5 and 0.233
	Generated Review	Temperature 0.5					with temperature 0.5, there still exists some "loop" like "was bad", "was terrible" etc.. not as easy to understand as with temperature 1.0

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Description		Hyperparameters	Number of Epochs	Training Loss	Training Accuracy	Test Accuracy	Comments
Generated Review		Temperature 0.233	a very good movie . the story is about a young boy who is trying to get a job in a small town , and he is sent to a nearby city to find out that he is a man . he is a great man , and he is a great actor . he is a good actor , and he is a good actor . he is a good actor , but he is very good in this movie . he is a good actor , but he is a great actor . i have seen this movie many times and i am sure that he is a great actor . i think he is a great actor , but he is a great actor . i have seen many of the other movies in the past , but i think that this movie is a great movie . i think that it is a great movie . it is a great movie to watch with your family . it is a very funny movie , filled with adventure and suspense . i recommend this movie to anyone who likes a good story and a good story . i recommend this movie to anyone who likes a good horror movie and a great movie . i recommend this movie to anyone who likes a good horror movie . it is a great movie to watch with your family . i recommend this movie to anyone who likes a good story and a good laugh . i recommend this movie to anyone who likes a good story and a good story . i recommend this movie to anyone who likes a good story and a good story and a great story . i love the way the characters are portrayed .				predictions can get stuck in loops "is a great actor", "recommend this movie to anyone who"
Part 3c	Given Model	HiddenUnits=500, Learning rate=0.001, Adam Optimizer, Batch size = 200	25	0.1805	92.71%	reach 92.7% accuracy only in 25 epochs	