

Natural Language Processing - IMDB Movie Review								
	Description	Hyperparameters	Number of Epochs	Training Loss	Training Accuracy	Test Accuracy	Comments	
Part 3a	Given Model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500	75	3.9613	25.66%	28.53%		
Part 3b			positive review i love this movie . it 's a pretty witty story of a young girl who receives a little girl in a restaurant with her son . if you believe this movie is a masterpiece then you might be easily disappointed . if you want to see something that makes you laugh , the film is not from the top of the " night of the " bollywood " and others , and you wo n't be disappointed unless you 're a fan of you . its smart to see them talking for their own lost friends and have a lot of fun stuff . i do n't know where it ends here but for me it 's one of the best movies i have watched in a long time . everything is gone to the point of absurdity . 10 out of 10 . almost every taboo is unsettling . some may say that	negative review i hate this movie . now in my opinion , i expected that john waters had to say that it was a reasonable piece of work , the worst thing about the movie was (they 've just had the exact same transition) , but it was still unbelievably bad . i 've ever seen ... boom falling asleep , trying to tell it about a gang called both keep it up . (simply because of the cheap slasher flicks , but on the dvd you can see there 's some really bloody end , and an almost the main character does not suspect too much ... beating flashbacks in a few months , and then this was one great picture ! the films suspense is serious : you hear something new , maybe better , for survival .) but i would rather go into some of the ridiculous things about this				
	Generated Review	Temperature=1.0						
	Generated Review	Temperature=0.5	i love this movie . it is not a chick flick , but it is a comedy that is n't even funny . i do n't think it 'll be funny . i do n't think it 's a comedy . it is a comedy , but it is not funny . i liked the way the characters are portrayed . i think i like this movie as much as i did . i was really impressed by the acting , and the music . i am not a fan of the original movie , but this one is the best . i have seen it many times and i think it was a very good movie to watch . it has a great cast , great plot , and a very touching story . i think it is a great film for children . i have read the book and thought it was a	i hate this movie . the acting was great and the story was great . i have seen it many times and have seen it many times and have been looking forward to seeing it again . it 's one of the most beautiful and touching movies i 've ever seen . it is truly a great movie to watch with your family . it is one of my favorites . i bought it and watched it again . i think it 's the best movie i have ever seen . i have never seen a movie that has been done to death . it really is a good movie . i think it is a great movie . i recommend this movie to everyone who likes to watch movies and learn about the world . the movie is about a young girl who gets married and wants to marry her . it is a				
	Generated Review	Temperature=0.75	i love this movie . it 's only the first one . the special effects are bad , the acting is average , the acting is bad , the special effects are bad , and the music was very poor . the story was stupid , the people who were doing this movie could be a bad thing at all . it 's just a waste of time . i was lucky enough to see this movie , but i do n't think it was ever made . i 've never seen such a bad movie . it was one of the most ridiculous movies i have seen in a long time . not even the gore effects were scary . the first time i saw the movie i thought it was going to suck . it was an extremely bad movie . i got enough of it . it was a waste of time	i hate this movie . the opening scenes are just sad . when you see the film , you can almost feel the need to watch it again . the first half is a little abrupt and all the other elements are good . i can not say much about this movie . the music is the best part of it . the movie really made me laugh and cry . it is not a great movie but it is full of fun . definitely recommend this one to all ages . i highly recommend this movie , it is a little more subtle . look at the comments from this movie because you need to see this movie . i hope that it will take a long time for the current day to get back on tv and hopefully people are able to watch it again . it is a must see for anyone				
Part 3c	Given Model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLength=100	20	0.1903	92.22%	89.96%	Lower than expected.	
	Given Model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, All LSTM layers optimized, SequenceLength=100	20	0.0687	97.50%	90.82%	More overfit, but achieves closer to expected test accuracy.	
	Given Model	ADAM optimizer with LR=0.001, LR decreased by factor of 10 every 10 epochs, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLength=100	20	0.2267	90.46%	90.36%	Less overfit, still doesn't achieve expected test accuracy.	
	Given Model	ADAM optimizer with LR=0.001, LR decreased by factor of 10 every 10 epochs, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLength=50	20	0.3765	82.81%	91.18%	Training time cut in half. Much lower training accuracy, but achieves highest test accuracy of hyperparameters tried.	