

Natural Language	Processing - IMDB Movie Review						
	Description	Hyperparameters	Number of Epochs	Training Loss	Training Accuracy	Test Accuracy	Comments
Part 3a	Given Model	adam optimizer,LR = 0.001, Hidden Units = 500,Batch size = 200	75	3.9396	25.83	28.59	The model is underfitting , and the performance is not good. Only reach 28.59% in test accuracy.
Part 3b	Generated Review	Temperature=1.0	<p>a loyal floating jacket , everybody finds out if the white man is a vampire) , the sudden fact that kelly is lonely and a little angry for him to keep things going on . no stars . his voice behind it was pretty good , was n't the good guy , but adam had a decent job in this movie . george clooney proves that i was never getting more and better in the movie . just how brilliant in a frame was an awesome portrayal of family , love , and his back . on the other hand , the cat dog was pretty cool , but the rest of the film was the one i 'm guessing i did n't like . an old man with a hair kills him and escapes . it wants to be a werewolf , but he ends up trying to get i 'll appear to be a way to do the same thing again . this film has been said from best friend , then george davis is perfectly cast as jimmy . he is , in his first , only movie `` must see " or ... a sharp drag that crashes . (check out the bit from carrey as there will be not much else you 'll see , such) . and rap ? the most human humor in the film . `` laugh at `` falling down in disbelief , scream ! " while asked how to drive their home home ? of course , he can sing and sing , that means something ! the part i have is true is the other because of the intelligence method . in addition - the actors are absolutely perfect . do n't expect this movie to be like</p>				The review is readable and able to be understood with temprature equals to 1.0
	Generated Review	Temperature 0.5	<p>a sex scene . it is a shame that this is not a movie that will make you laugh . it 's a good movie to watch with your kids , so you wo n't be disappointed . it 's not a great movie , but it 's a good movie . the story is well done , and the performances are good . my favorite part of the movie is when the `` hero " gets his leg cut off . the acting was good . it was a good movie . i have watched it 3 times and it still makes me laugh . the movie is fantastic , and i hope i will get into it again . i can watch it again and again , and i really want to see it again . i am a big fan of the original , but i do n't</p> <p>i 'm a huge fan of the original , but i did n't see it coming . i 'm going to be able to see the film again , but i have to say that i was very disappointed with this movie . i am disappointed that the producers of this film were trying to make a movie about the same story and plot . it 's a shame that they made such a good movie . the only thing that i enjoyed was the fact that it was made in the early 90 's and i did n't even get to see it . i do n't know what the director was thinking . it 's a shame that the movie is not so bad , but it 's not even worth . i have to say , i do n't think that it 's good to make a movie</p>				The review is somehow weird because it says the movie has a sex scene but it's good to watch with your kids. The content seems inconsistent. Hard to read and understand.
	Generated Review	Temperature 1.0	<p>i would have left search for it and it would be dead . well thats i end up , and think probably do n't really have to be harsh because you are still alive and i want to check out the `` ghost island , " and parents come , : `` the prey is really i was over !! " probably required something to go to another movie . (maybe showing a woman played by samuel l. jackson) (who gets rid of what appears to happen like him within a run to it) , but we do n't know that she , and what 's the thing ? and why will the movie go to movies ? why ? what are you thinking ? beyond the fact that the story is written , for example , pulp fiction shows `` darling . " when i</p>				The sentences make sense and are longer compared to temprature = 0.5.
	Generated Review	Temperature 0.5	<p>i was really surprised . i really liked the new york city , and the way that the actors were made . i was very disappointed with this movie . it was so bad i felt like i was watching a soap opera . the only thing that was good was the acting , the story line , the special effects , the plot , the acting , the script , the acting , the awful script , the plot , the special effects , the acting ... all i could think was that you could n't get into it . the only thing i liked was the bad acting (especially the lead character) . i think i was looking for the same old stuff as the first movie . i think i 'm going to fast forward to see this movie . i do n't know why it</p>				Incosistent
Part 3c	Given Model	HiddenUnits=500,LR=0.001,Adam Optimizer,Batch size = 200,Sequence Length = 100, parameters include 3rd LSTM, 3rd BN_LSTM and FC layer	20	0.1333	94.98%	90.31%	The training and test accuracy are high with such few number of epochs.
	Custom 1	HiddenUnits=500,LR=0.001,SGD Optimizer, Batch size = 200,Sequence Length = 100, parameters include 3rd LSTM, 3rd BN_LSTM and FC layer	50	0.5668	70.48%	63.31%	Both training and test accuracy are low, even with 50 epochs to train.SGD optimizer is not as good as Adam.
	Custom 2	HiddenUnits=500,LR=0.001,Adam Optimizer,Batch size = 200,SequenceLength = 250.parameters include 3rd LSTM, 3rd BN_LSTM and FC layer	20	0.0415	98.66%	95.62%	Increasing the length of sequence helps increase training and test accuracies.
	Custom 3	HiddenUnits=500,LR=0.001,Adam Optimizer,Batch size = 200,SequenceLength = 100.parameters include all the layers	20	0.1297	95.19%	89.12%	Including all layers parameter causes a little overfitting.