

HYPER PARAMETER	APPLICATION	OBSERVATION
<b>train/test ratio</b>	<b>0.3(initial value)</b>	<b>Our test accuracy for the original test/train ratio is</b> 0.9111111164093018
train/test ratio	0.2(here we are giving more data for training and less for testing )	we noticed an accuracy of 0.9302083253860474 which is slightly higher than the initial accuracy, hence we can say, increasing the training data might improve on test accuracy
Layers	Adding one more layer and observing what happens	We noticed an accuracy of 0.9347916841586958 which is very close to the initial accuracy of our model, prediction arrays don't show much change as well
	Reducing the layers to 2 and observing what happens	We reduced one layer and noticed a drop in accuracy to 0.9179166555404663 So we can say reducing the layers may not be such a good idea as our goal is to get a high accuracy
Dropout ratio	dropout ratio changed from 0.5 to 0.4	This gives us an accuracy of 0.9223611354827881 Slightly lower than our initial accuracy, slight change in prediction arrays as well
	drop out ratio increased from 0.5 to 0.9	Increasing the dropout ratio didn't have a huge effect on the accuracy as it stayed within the 92% range, the accuracy was 0.9262499809265137
Sample size	<b>Reducing the sampling of negative and neutral tweets to 5000</b>	<b>We notice a drop in accuracy to</b> 0.8812962770462036 and we can say because the positive tweets are more than the neutral and negative tweets by 3000 this affected the accuracy
Batch size	<b>Increasing batch size to 425</b>	Noticed 12 epochs and some noises. Accuracy dropped to 0.9168055653572083