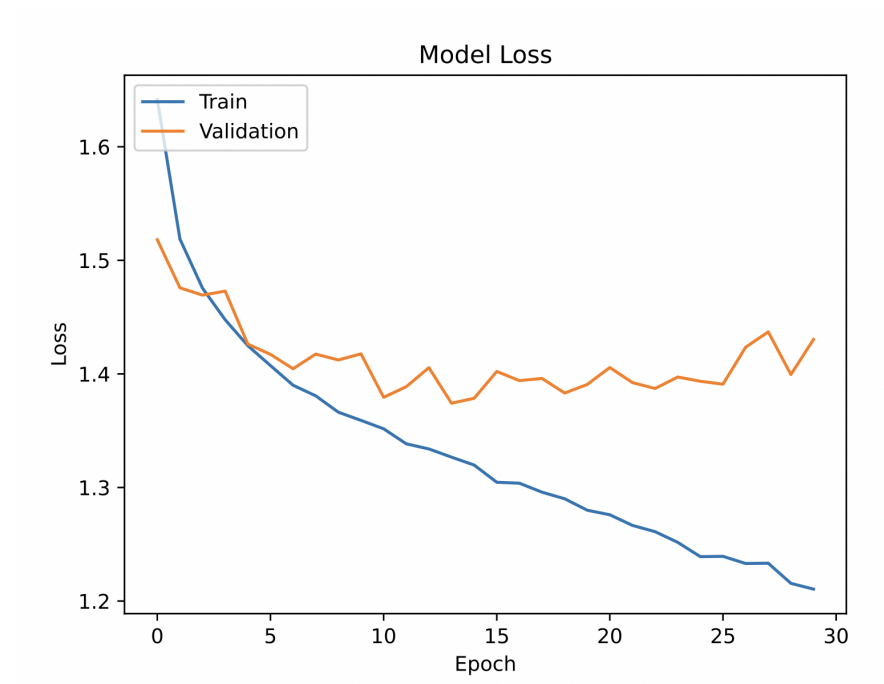


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Course: COS 470 Text Mining and Analytics
Assignment 3
Due Date: Mar 25, 2024

Task 3 analysis of the results
Loss from training and validation sets:



My analysis: overall the graph seems to have the problem of overfitting. To solve this problem I would like to try regularization in the future.

F1 scores for test and model:

F1 Scores for Test and Model		
	Test	Model
Blues	0.4000000000000001	0.44549763033175355
Country	0.5	0.47653429602888087
Rap	0.5	0.4757281553398058
Metal	0.28571428571428575	0.23036649214659685
Rock	0.6666666666666665	0.7304347826086957
Pop	0.5	0.26714801444043323
Average	0.4376182284826943	0.4688013136288998

Based on the average scores it indicates that this model needs some improvement. It is accurately guessing 40% of the time. In the future regularization could help further improve my results.