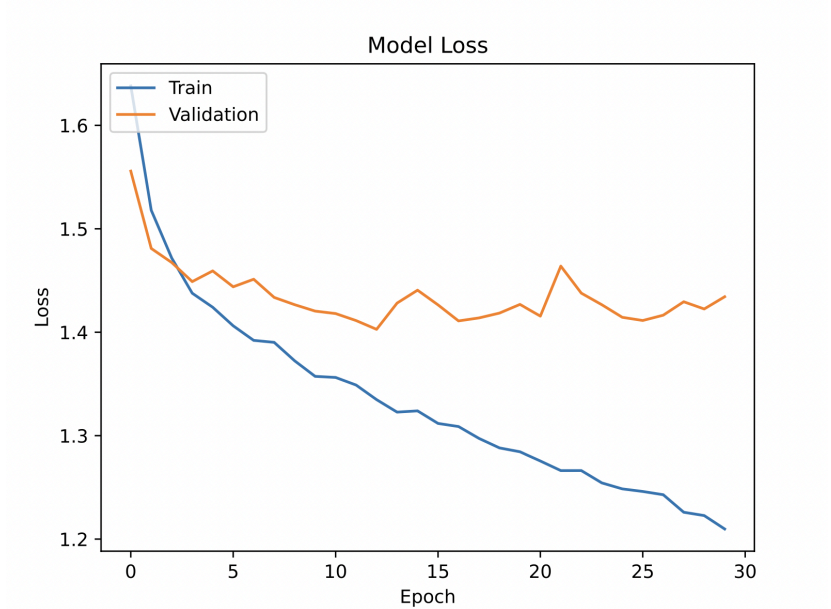Author: Sarah Lawrence
Course: COS 470 Text Mining and Analytics
Assignmnet 3
Due Date: Mar 25, 2024

<div align="center">Task 3 analysis of the results</div>

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 modle:

<div align="center">F1 Scores for Test and Modle</div>

	Test	Modle
Metal	0.5454545454545454	0.5254237288135593
Pop	0.0	0.40174672489082974
Rap	0.6666666666666666	0.5060240963855421
Country	0.25	0.36923076923076925
Rock	0.8	0.6810344827586207
Blues	0.20000000000000004	0.2788844621513944
Average	0.4603907107051193	0.3969174503657263

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