

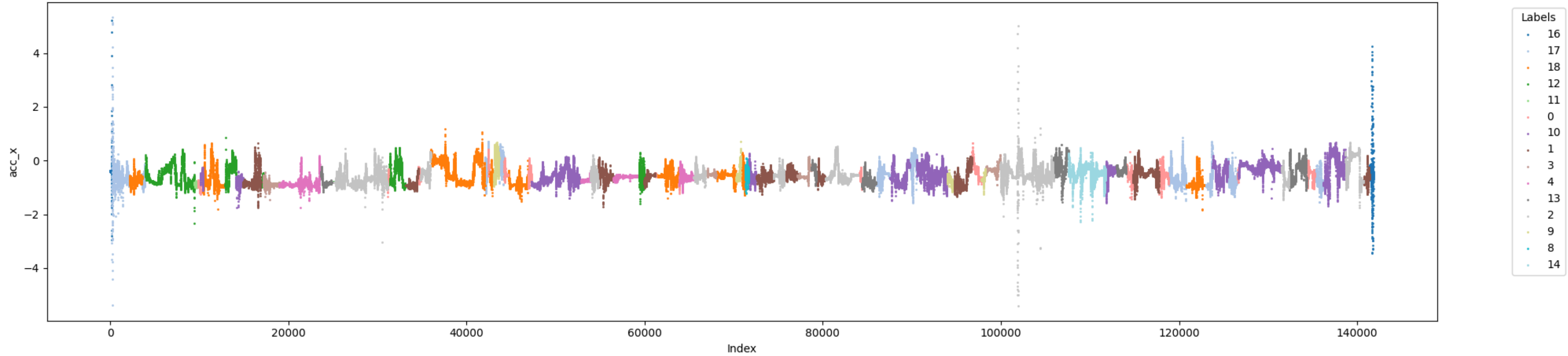
Final Progress Report

TEEP Internship

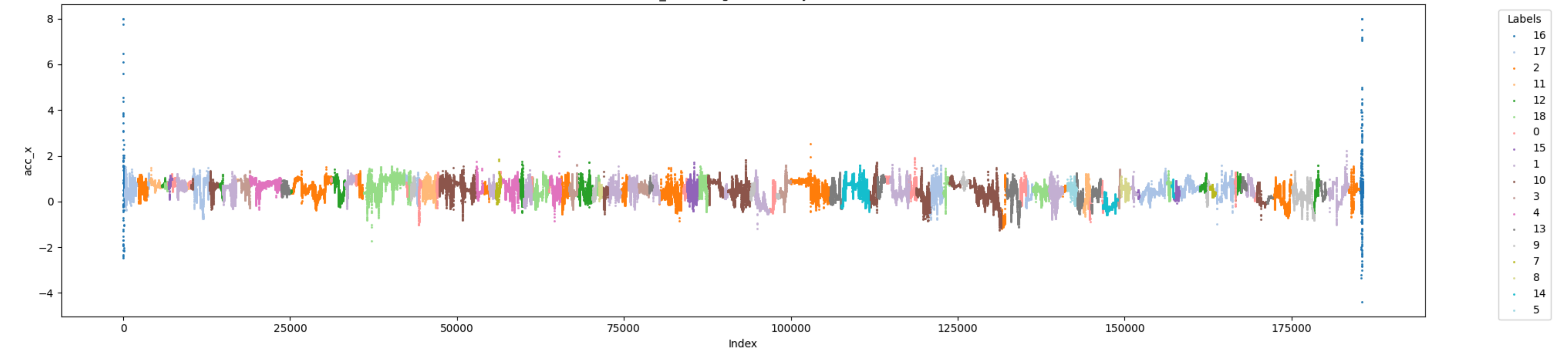
by Fairuuz Nurdiaz Amaanullah

Exploratory Data

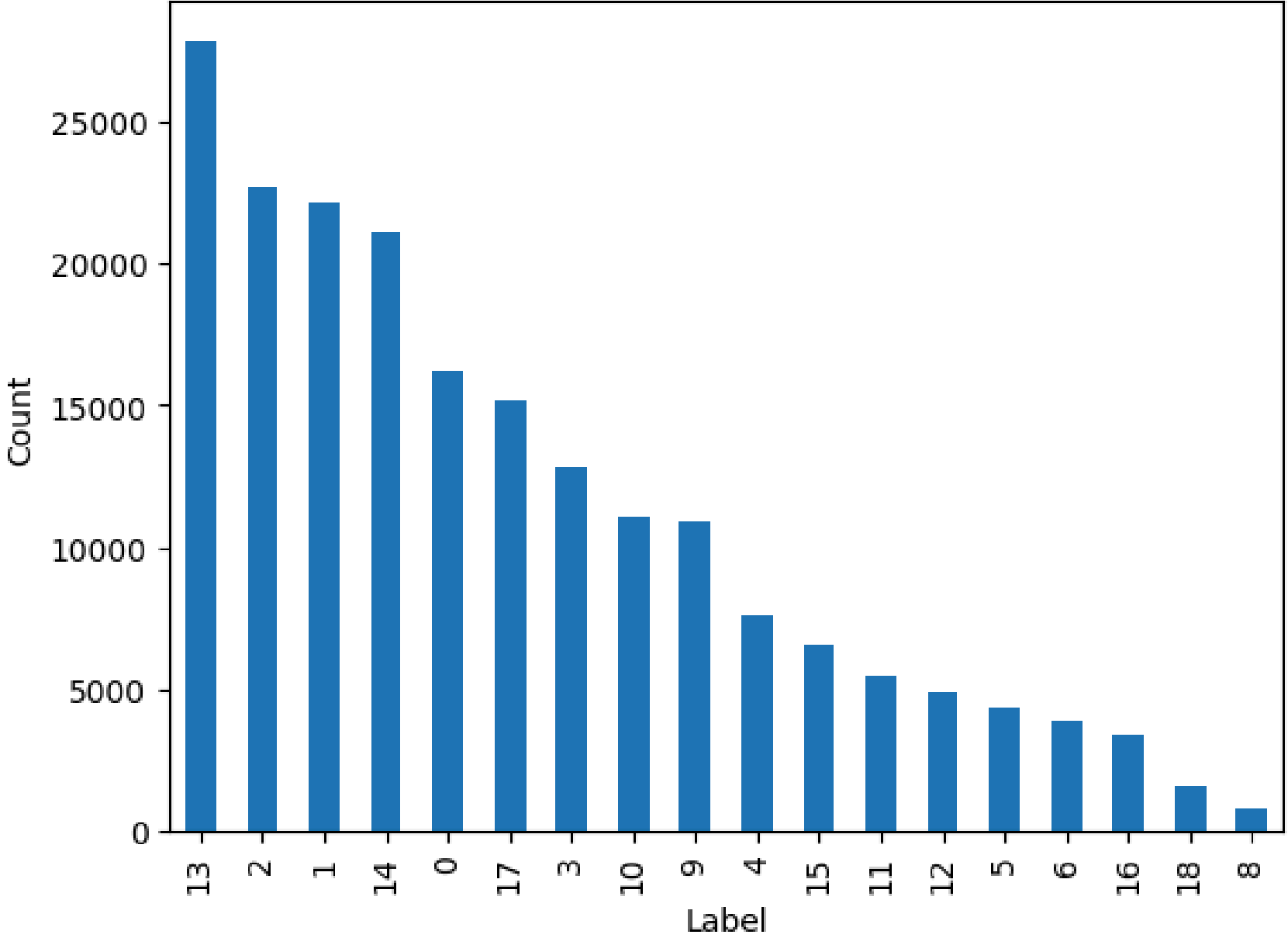
acc_x Readings Colored by Label



acc_x Readings Colored by Label

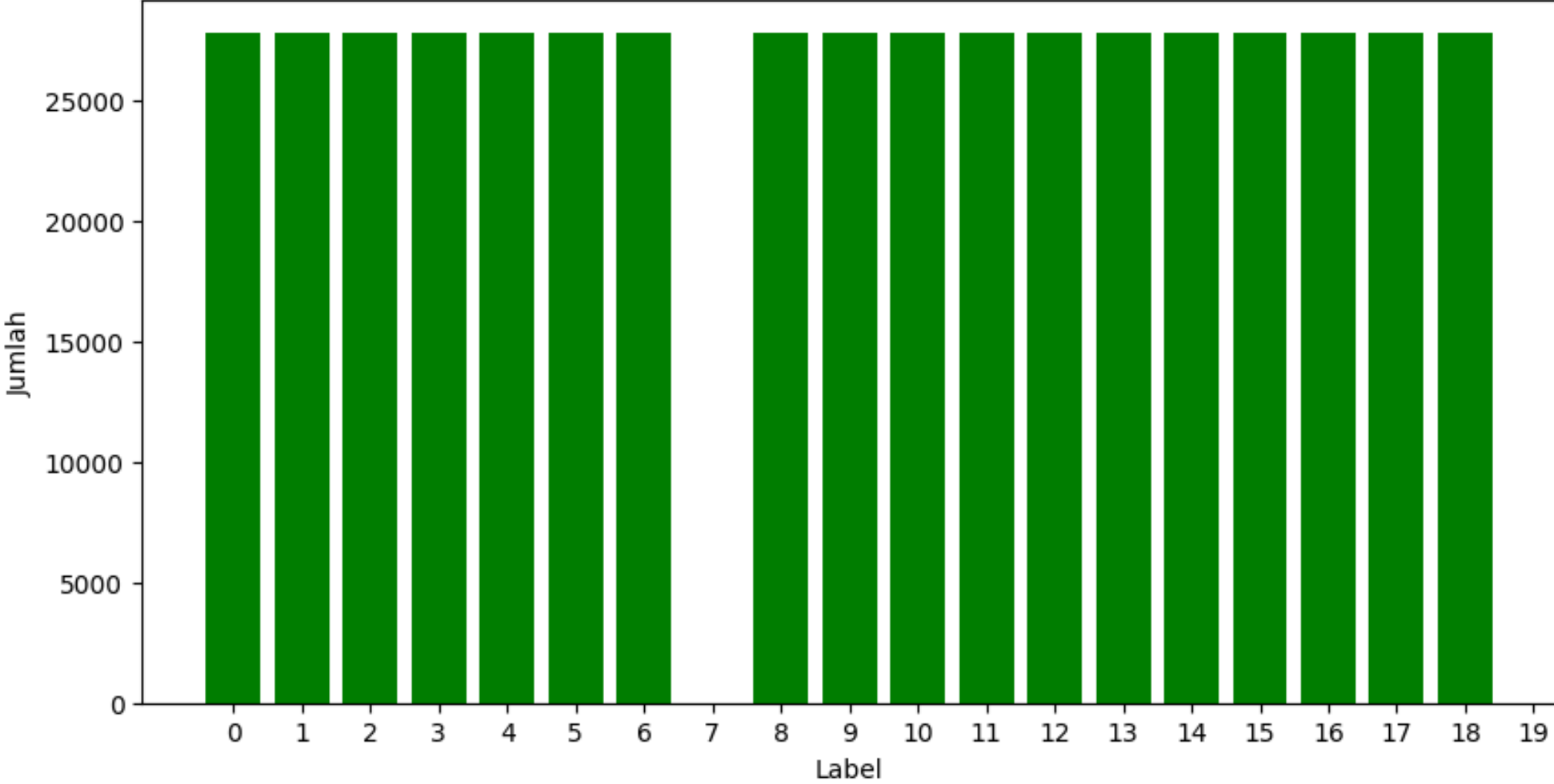


Value Counts of Label Column



Before Oversampling

Distribusi Label Setelah Oversampling



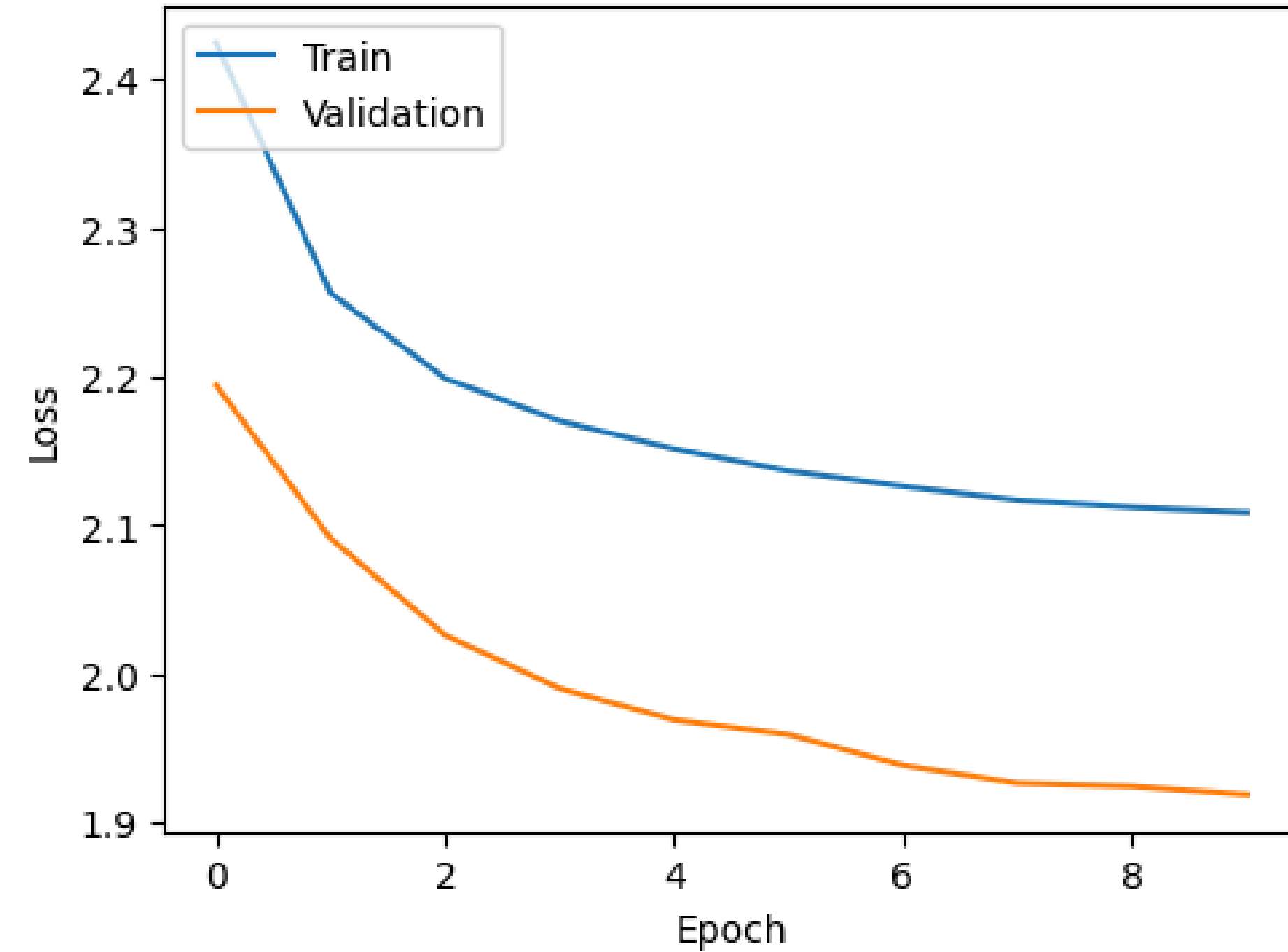
After Oversampling

Compare Evaluation Model

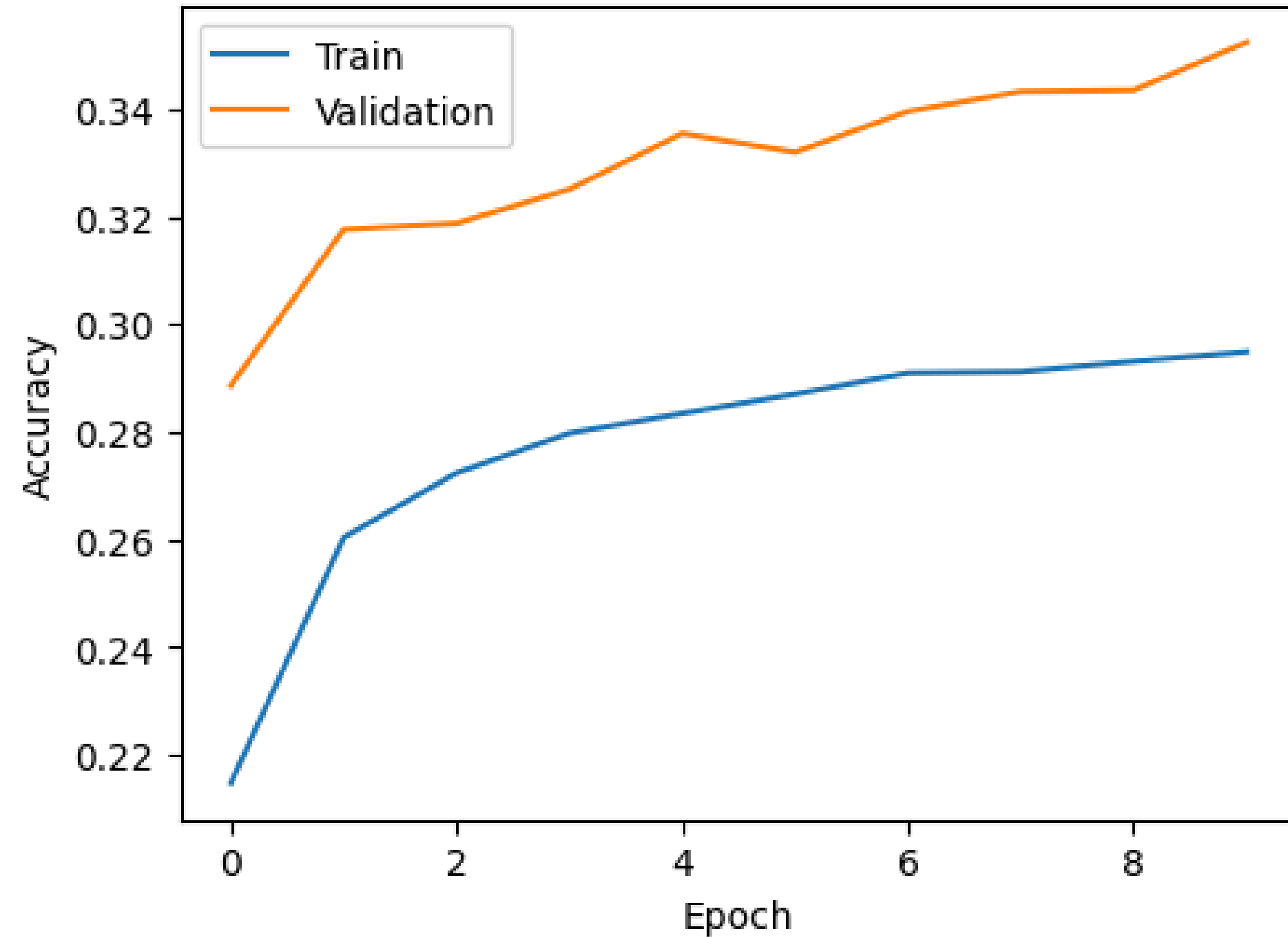
No	Model	Loss	Accuracy
1	CNN	1.9074	0.3485
2	LSTM	1.9188	0.3524
3	ResNet	1.3026	0.5466
4	Resnet CNN	1.1806	0.5956
5	Resnet CNN Oversampling	0.8674	0.7195

CNN Evaluation Curve

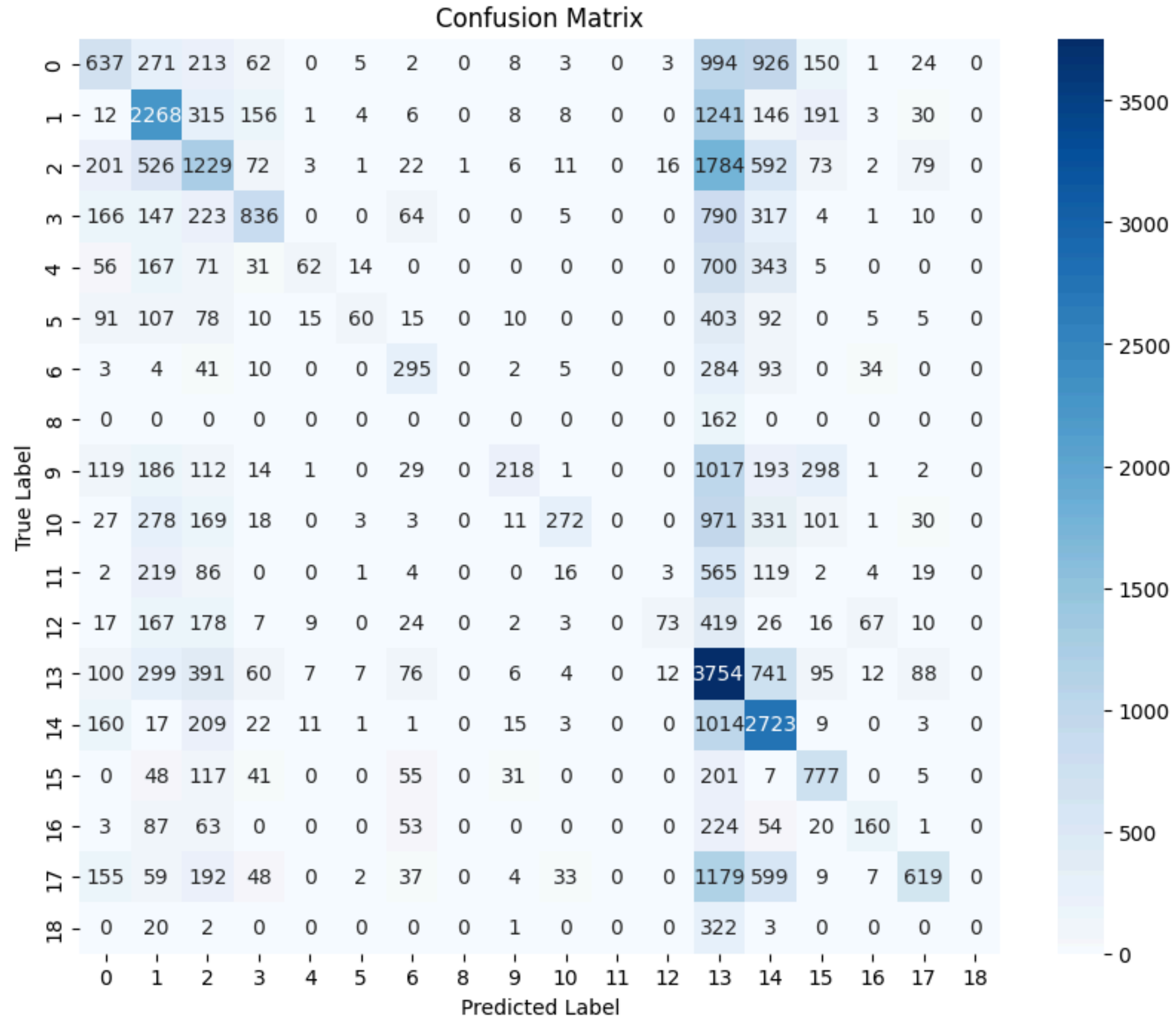
Model loss



Model accuracy

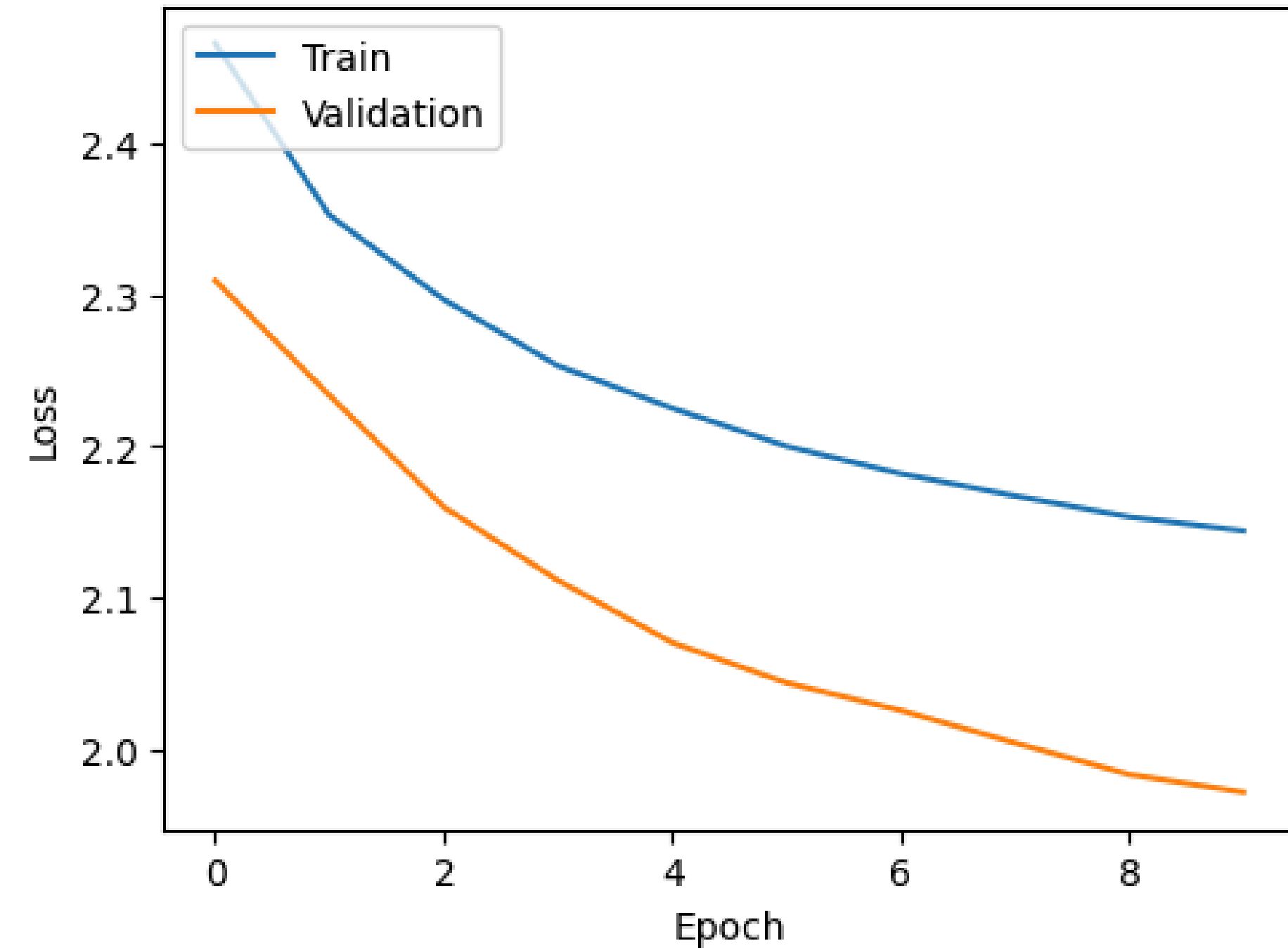


CNN Confusion Matrix

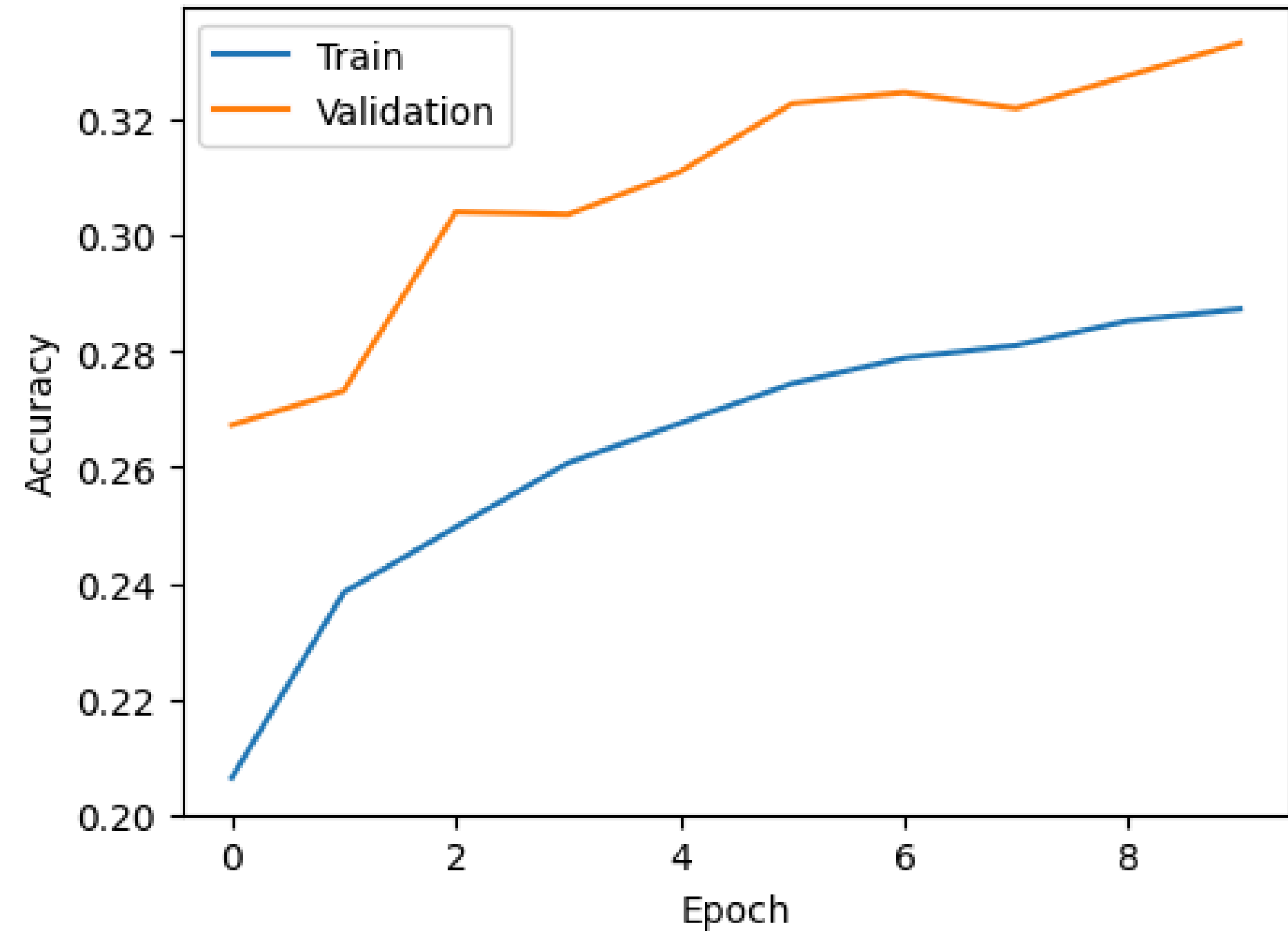


LSTM Evaluation Curve

Model loss



Model accuracy

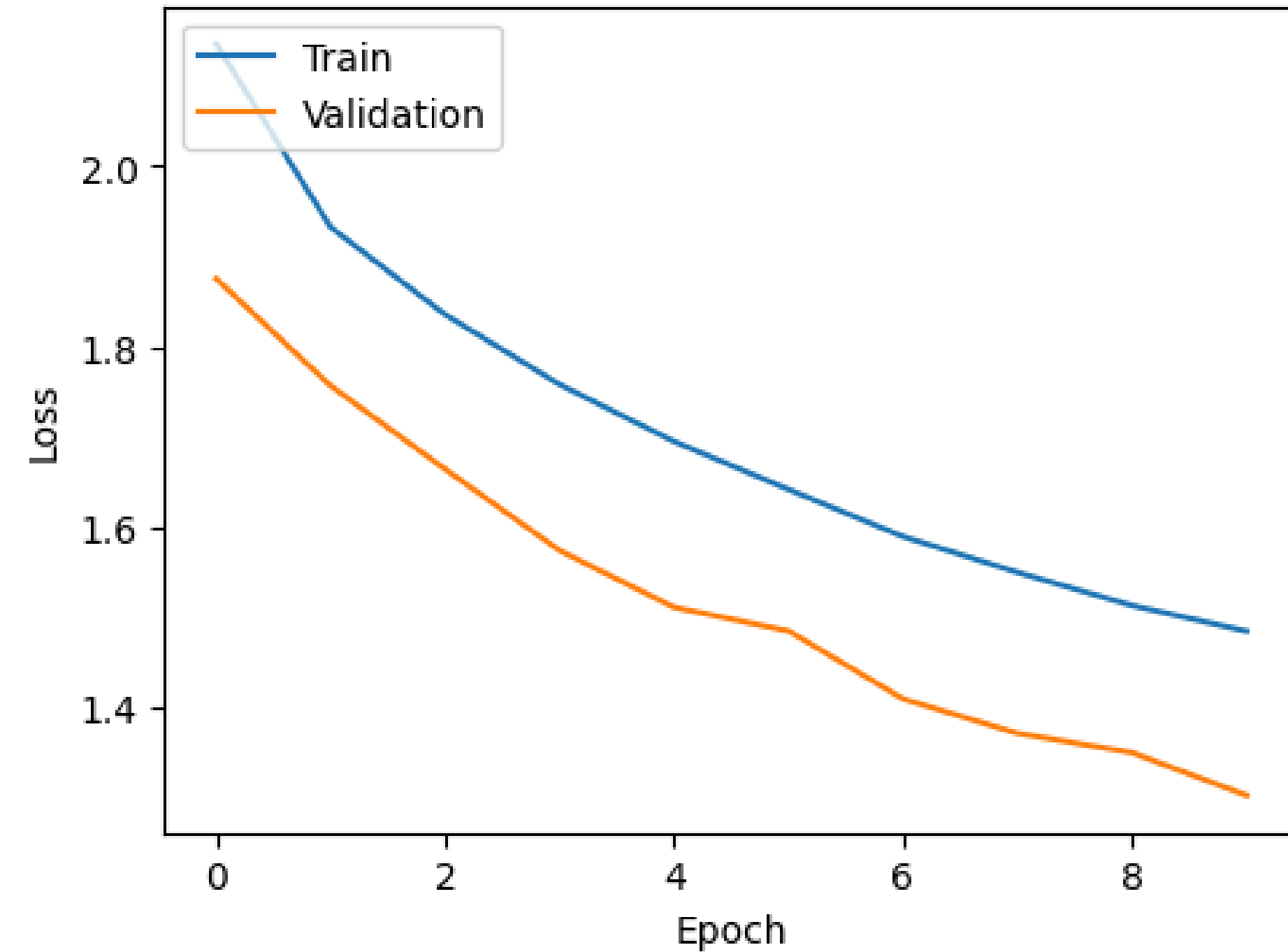


LSTM Confusion Matrix

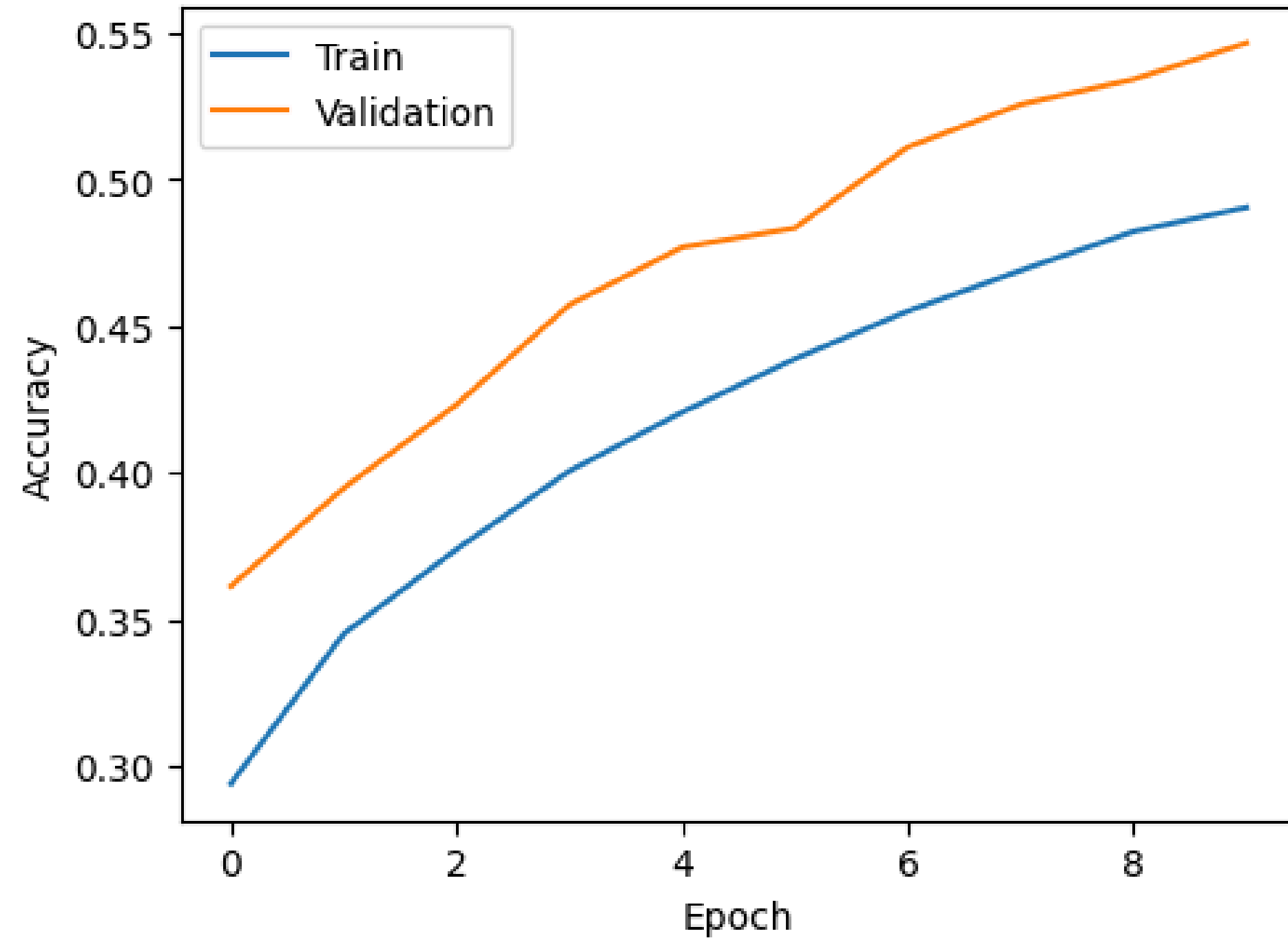


ResNet Evaluation Curve

Model loss



Model accuracy

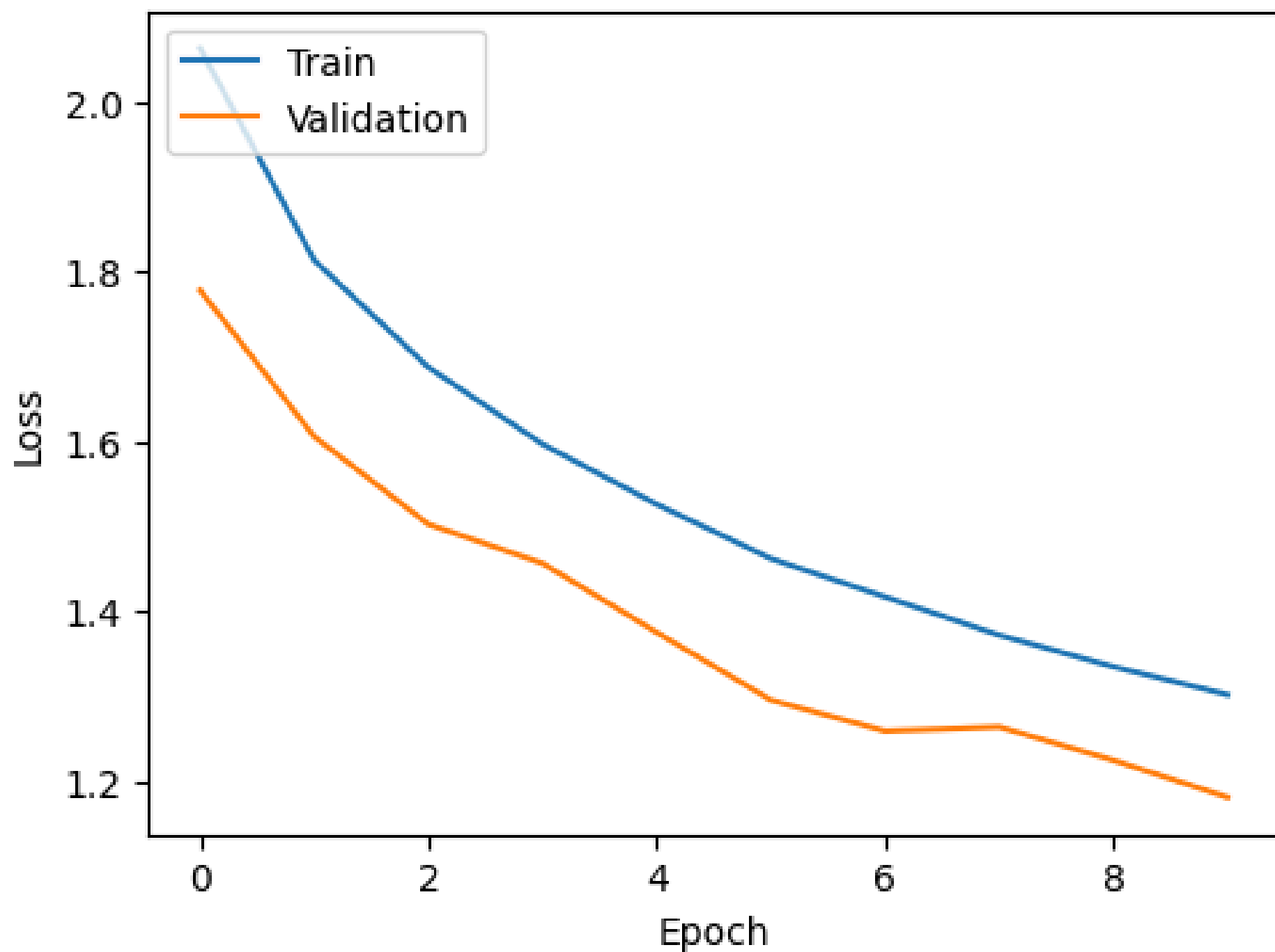


ResNet Convusion Matrix

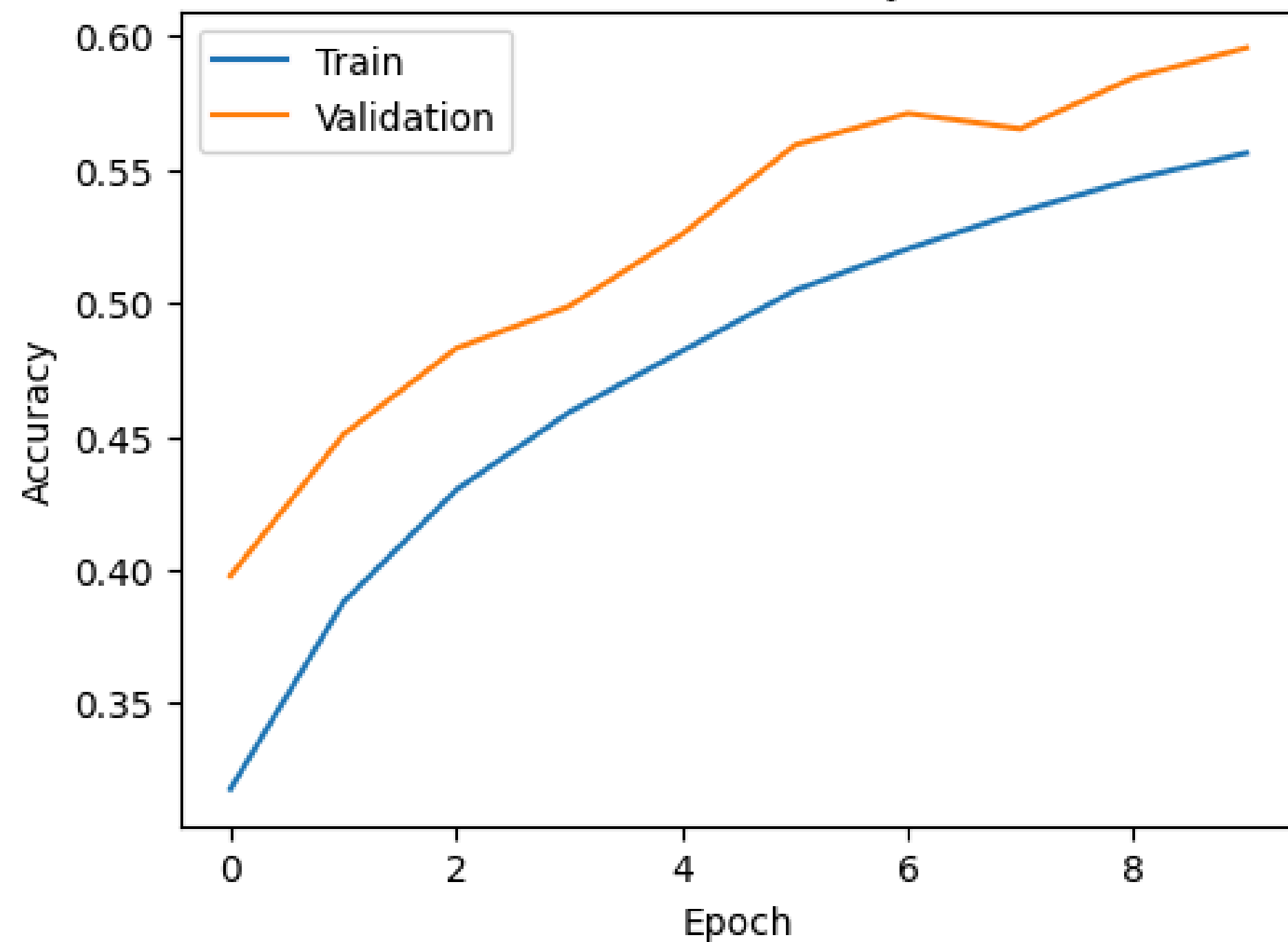


Resnet LSTM Evaluation Curve

Model loss



Model accuracy

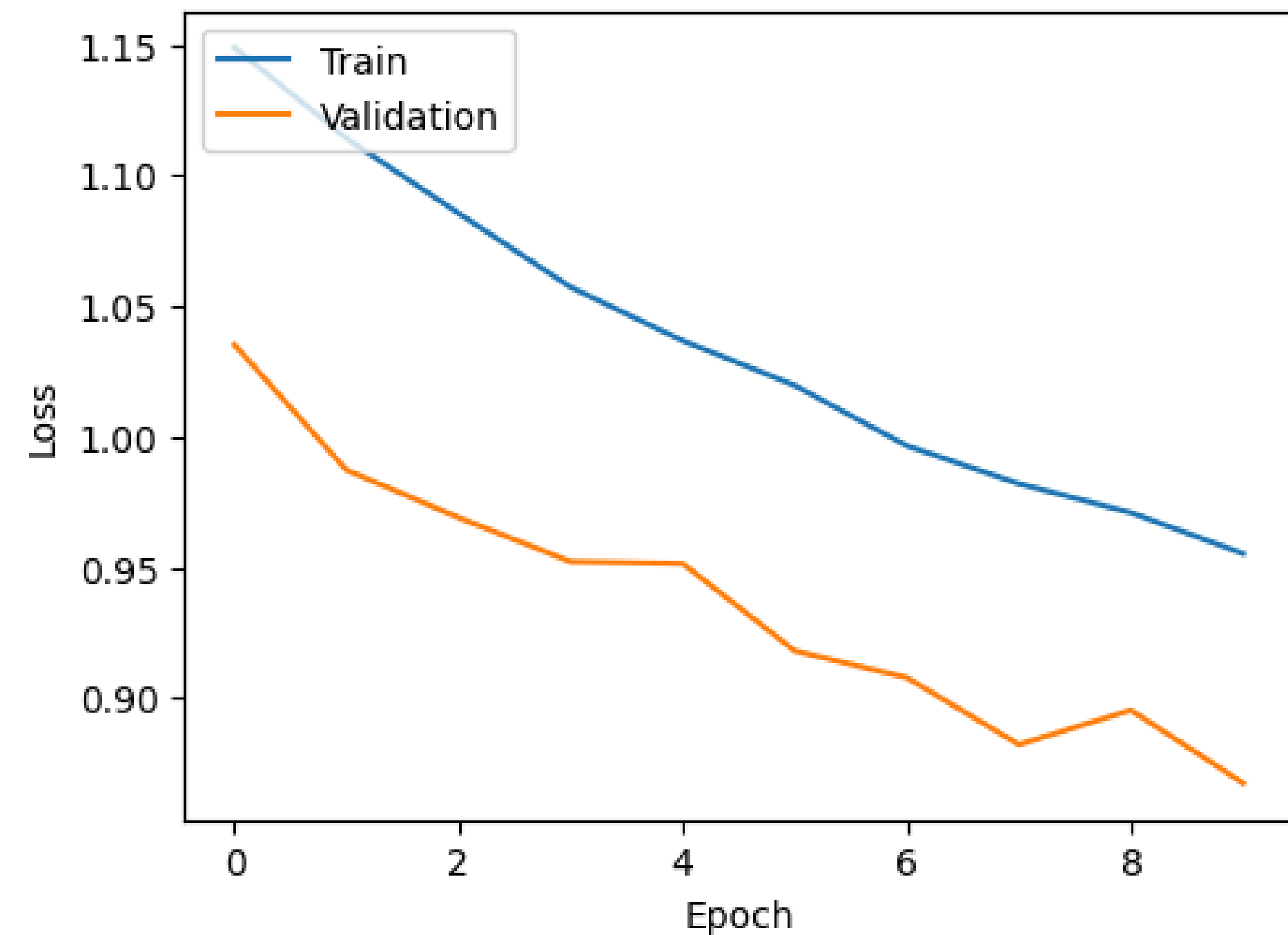


Resnet LSTM Confusion Matrix

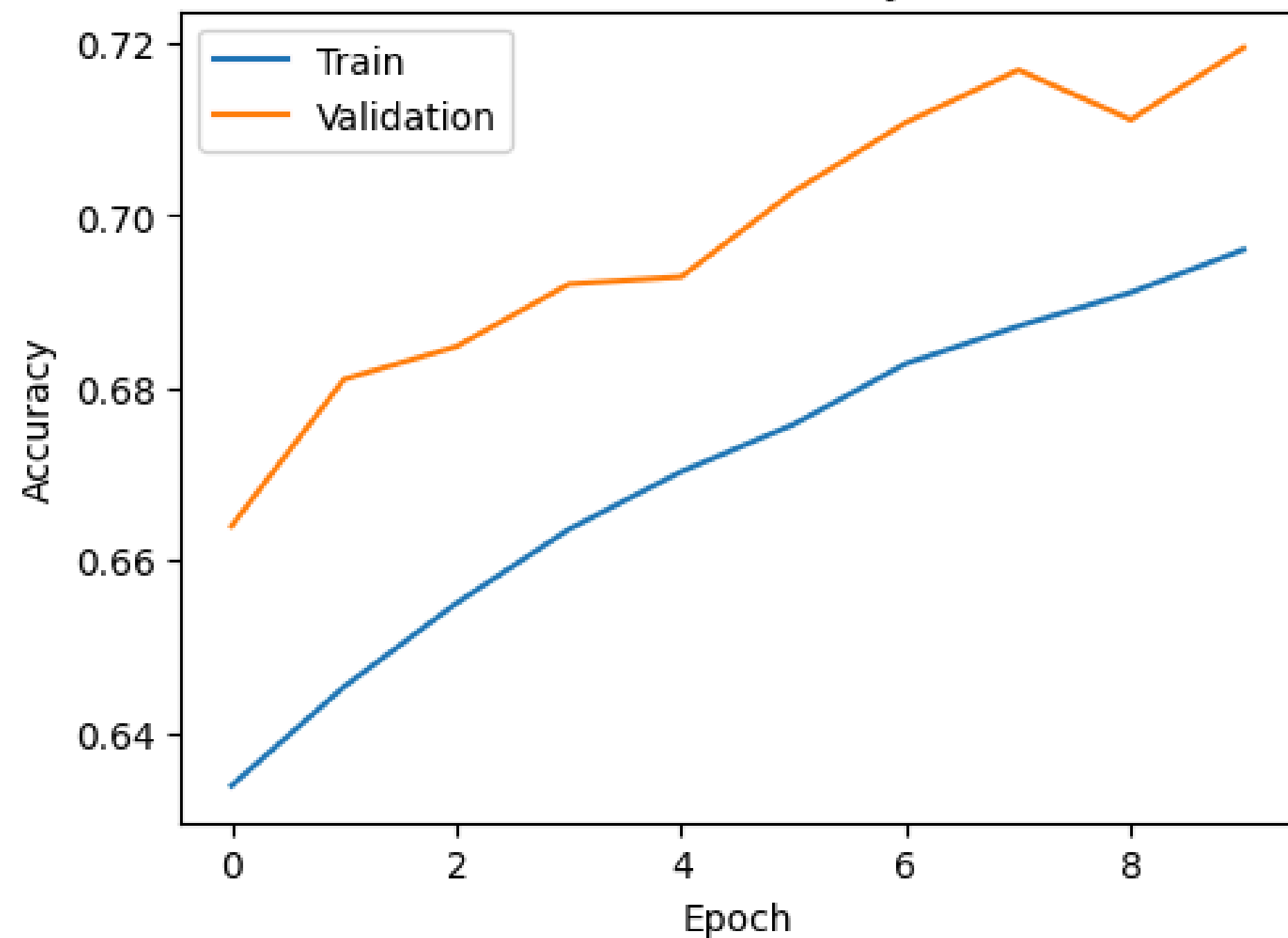


Resnet + LSTM after Oversampling

Model loss



Model accuracy



Resnet + LSTM after Oversampling



Removal Artefact EEG Data

