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Bank Queries intent predictor

I finetuned Roberta base with huggingFace and Pytorch on banking data from a github repo and achieved an accuracy of 92.76% on the test set. I ran it twice. The first run ran for 1 epoch with a learning rate of 1e-5 and the second ran for 2 epochs with a learning rate of 5e-6. The second performed better.

[Nasir Saeed](#)

Created on April 16 | Last edited on April 16

GRAPHS OF MY 2 RUNS



Run set 2



Name (2 visualized)

State

Notes

User

Tags

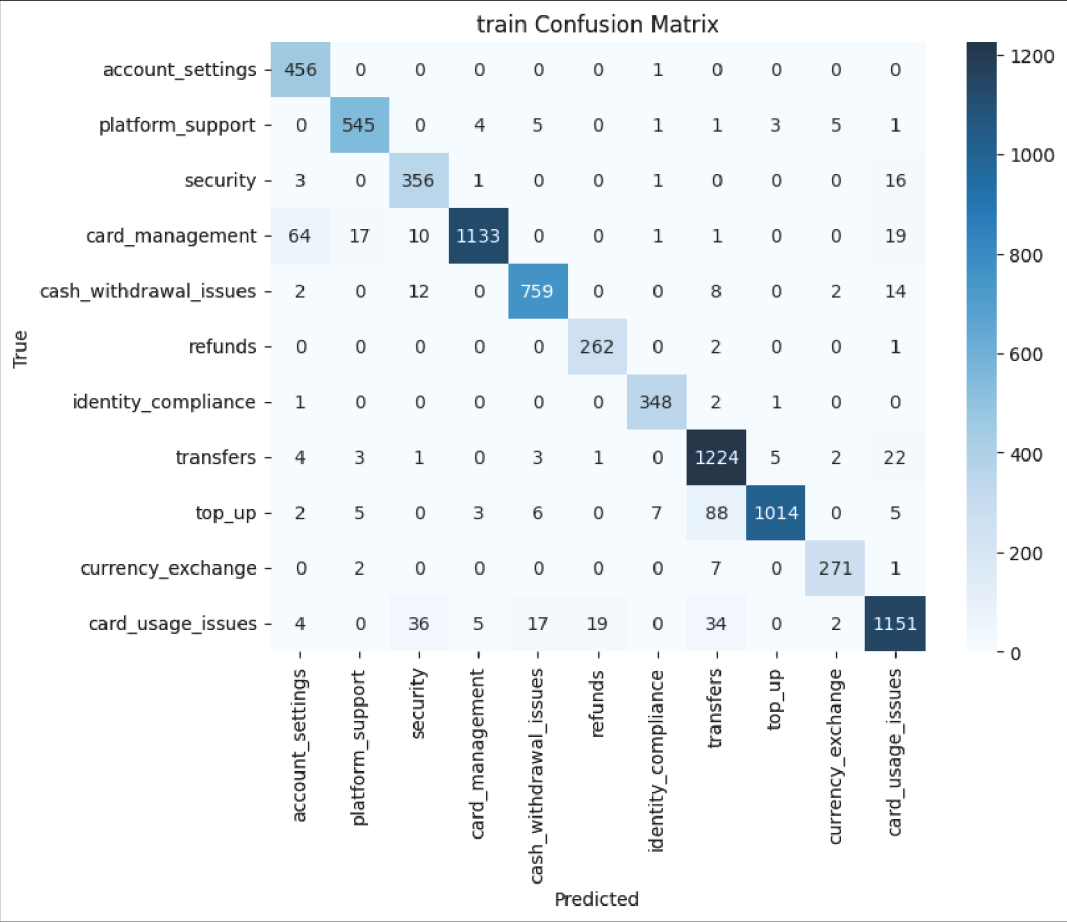
Created

Runtime

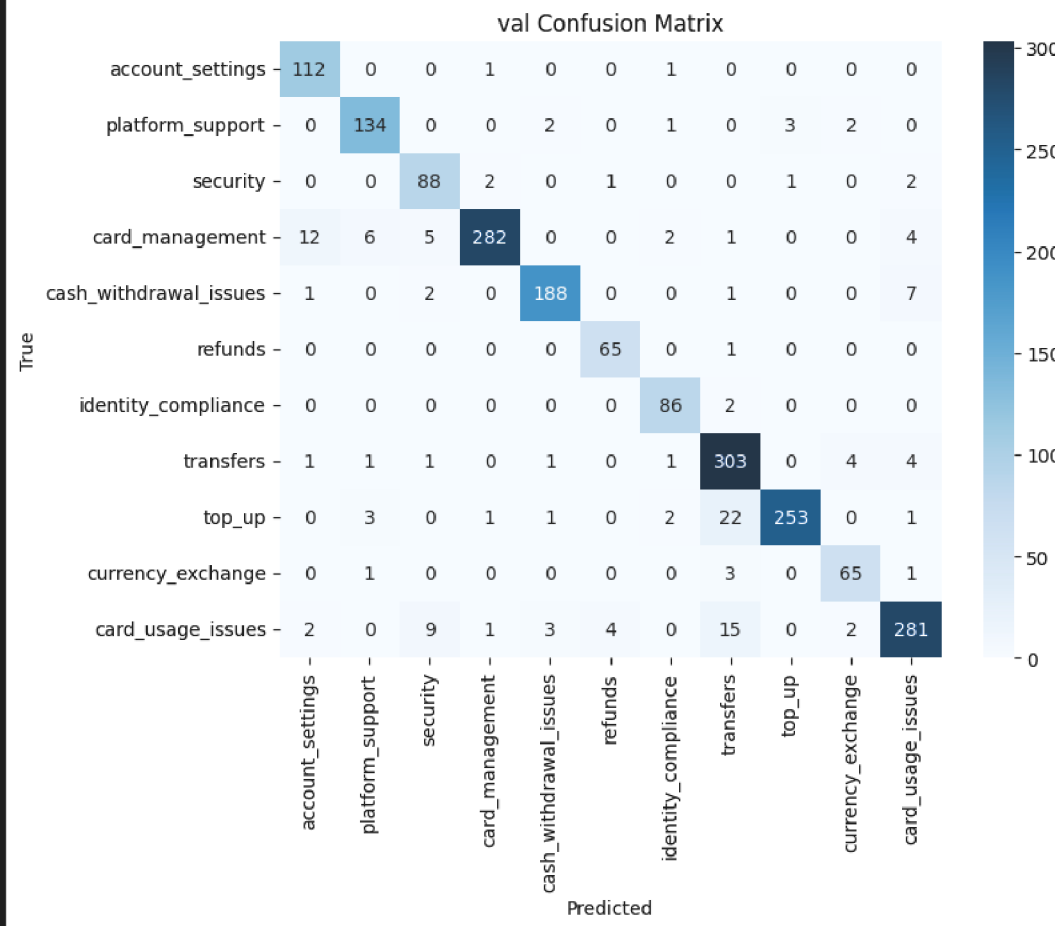
S

hardy-thunder-15	Finished	-	nasirsa	1h ago	32m 10s	-
desert-wood-14	Finished	-	nasirsa	1h ago	24m 34s	-
1-2 of 2 < >						

Confusion matrices for my first run are as follows (epochs=1, learning rate=1e-5):



training set confusion matrix

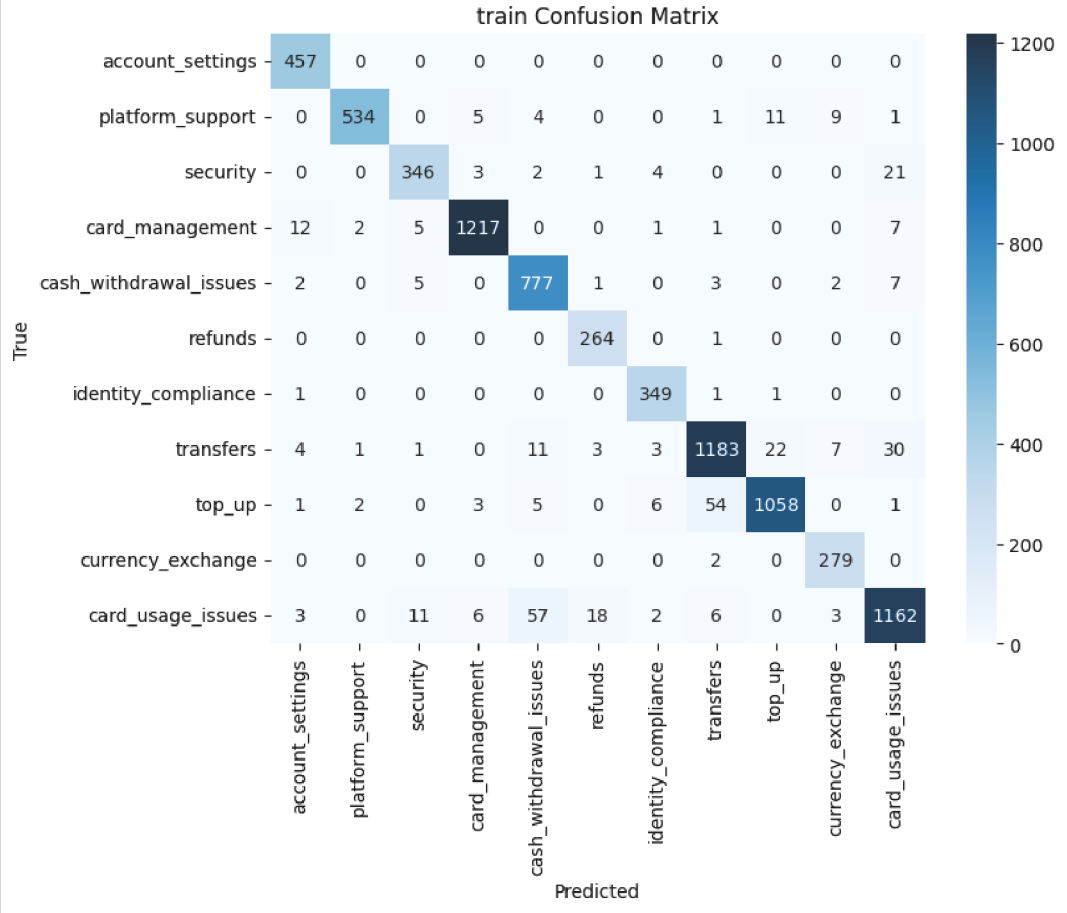


validation set confusion matrix

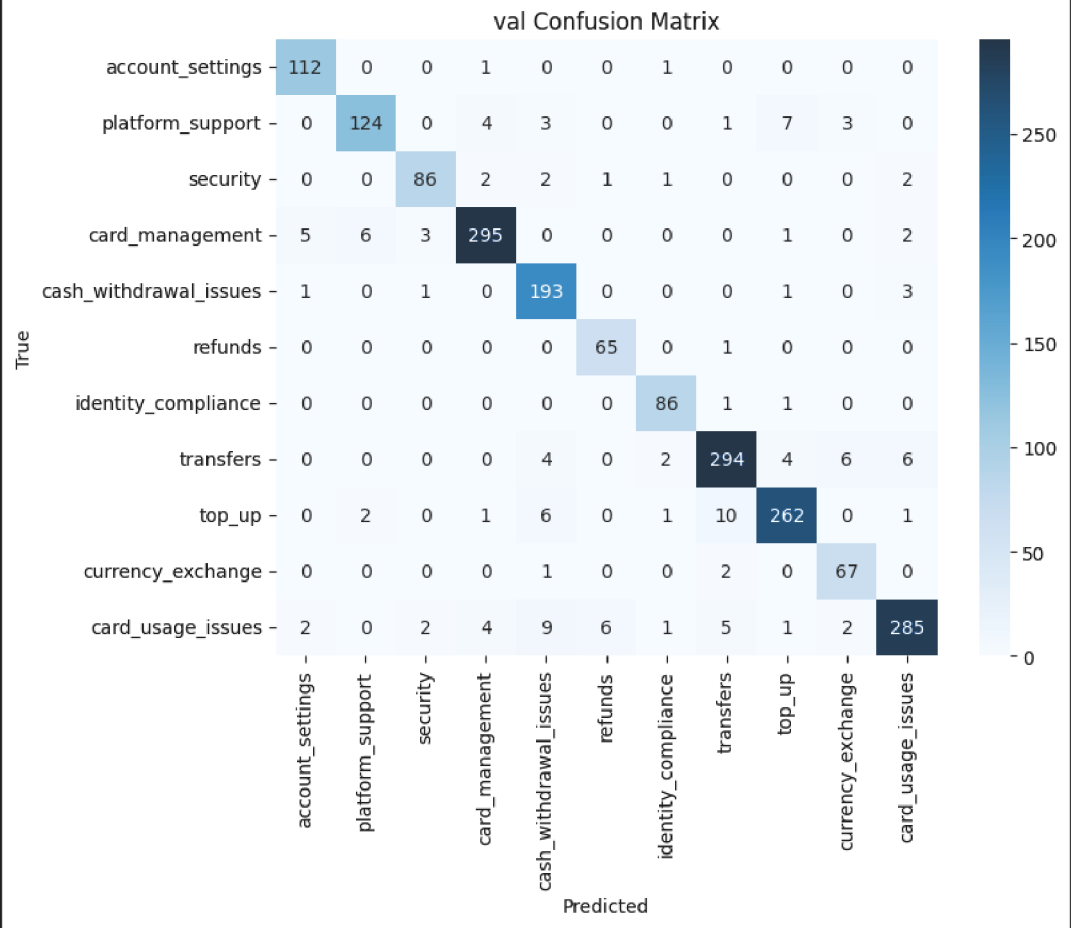


test set confusion matrix

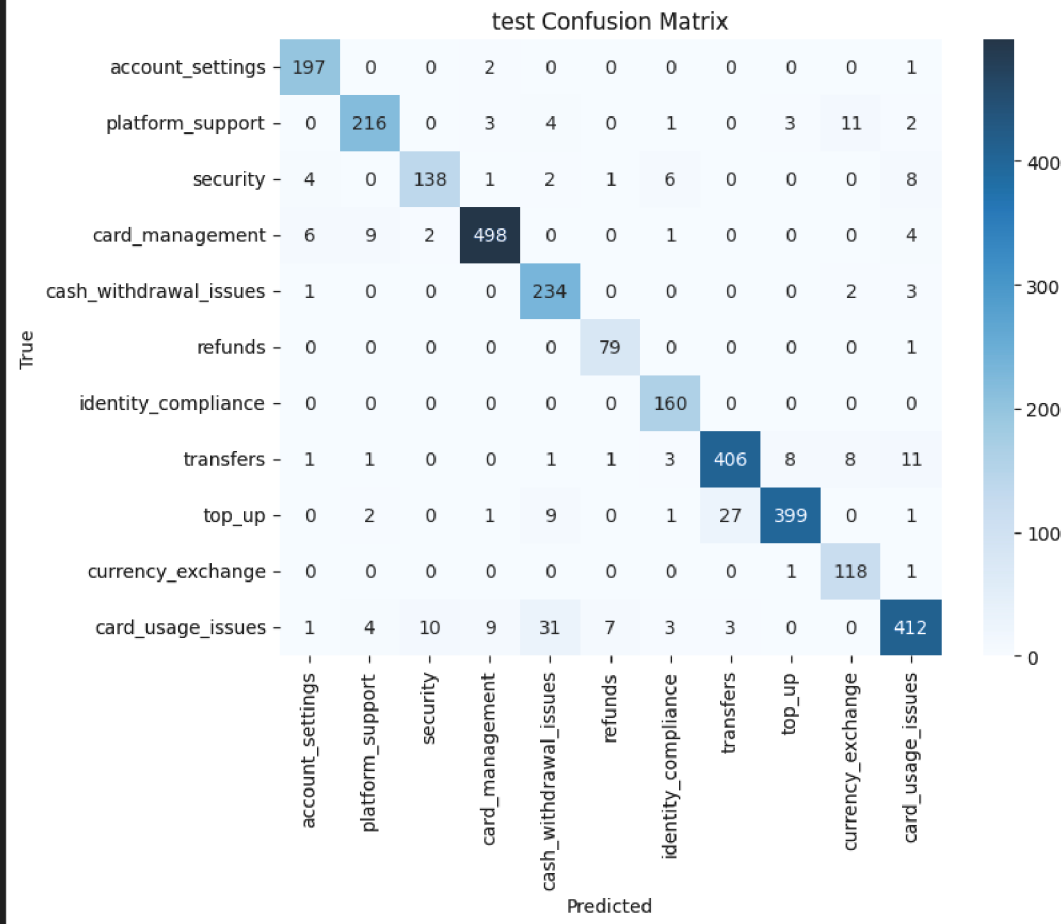
Confusion matrices for my second run are as follows (epochs=2, learning rate=5e-6):



training set confusion matrix



validation set confusion matrix



test set confusion matrix

Created with ❤️ on Weights & Biases.

https://wandb.ai/nasirsaeed-work-fast-nuces/Bank_Task_Classifier/reports/Bank-Queries-intent-predictor--VmldzoxMjMxMzcwNw