

Final Project - additional files readme

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1 Note

This folder contains:

- models files
- additional accuracy records
- confusion matrix
- a read-me document

2 Addition to Results and Conclusion

I ran out of time when training my model for a second time because of the sudden crash of my IDE due to my careless interaction with the accuracy plot, which was secured after I restored the IDE. However, the model files and the confusion matrix did not have the luck. Therefore, in order to show I did achieve the performance with the efforts mentioned in the report, I would like to make some additions to my submission in this folder. In case this is considered a late submission, I am aware that I may suffer a 10% penalty on the grade of this project.

2.1 Accuracy

Below in Figure 1 is the accuracy change over epoches. Unfortunately, this time the accuracy did not make it to 75%. It stopped when the iteration number reached 128.

2.2 Confusion Matrix

The confusion matrix 1 shows how well can the optimizer distinguish the action of a class from other ones. Each block (*row, col*) in this matrix shows the possibility that the model recognize action (*row*) as (*col*).

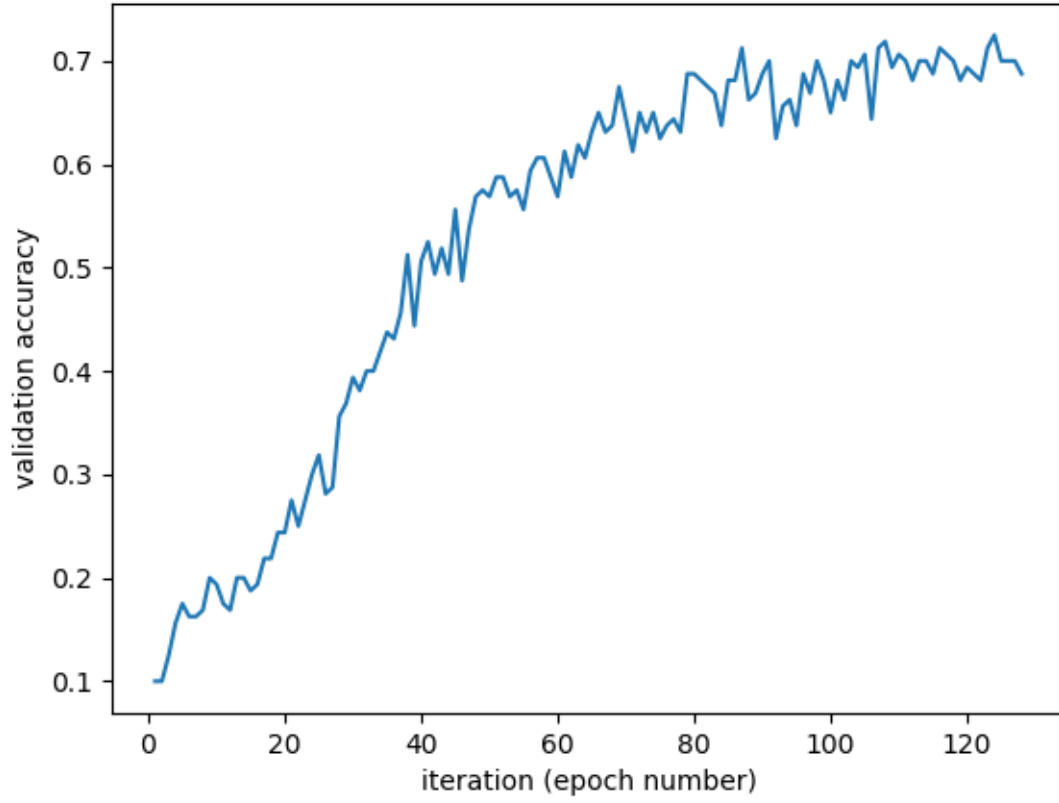


Figure 1: overall accuracies of the model

	reco: 0	reco: 1	reco: 2	reco: 3	reco: 4	reco: 5	reco: 6	reco: 7	reco: 6	reco: 9	reco: 10
class: 0	0.556	0.056	0	0	0.333	0	0	0	0	0.056	0
class: 1	0	0.462	0	0	0.538	0	0	0	0	0	0
class: 2	0	0	0.750	0	0.250	0	0	0	0	0	0
class: 3	0	0	0	0.875	0.125	0	0	0	0	0	0
class: 4	0	0	0	0	0.938	0	0	0	0	0	0.062
class: 5	0	0	0	0	0.262	0.632	0.053	0	0	0	0.053
class: 6	0	0	0	0	0.182	0	0.818	0	0	0	0
class: 7	0	0	0	0	0.300	0	0	0.650	0	0.050	0
class: 8	0	0	0	0	0.250	0	0.125	0	0.625	0	0
class: 9	0.059	0	0	0	0.294	0	0	0	0	0.647	0
class: 10	0	0.333	0	0	0.167	0	0	0	0	0	0.500

Table 1: confusion matrix of the classification