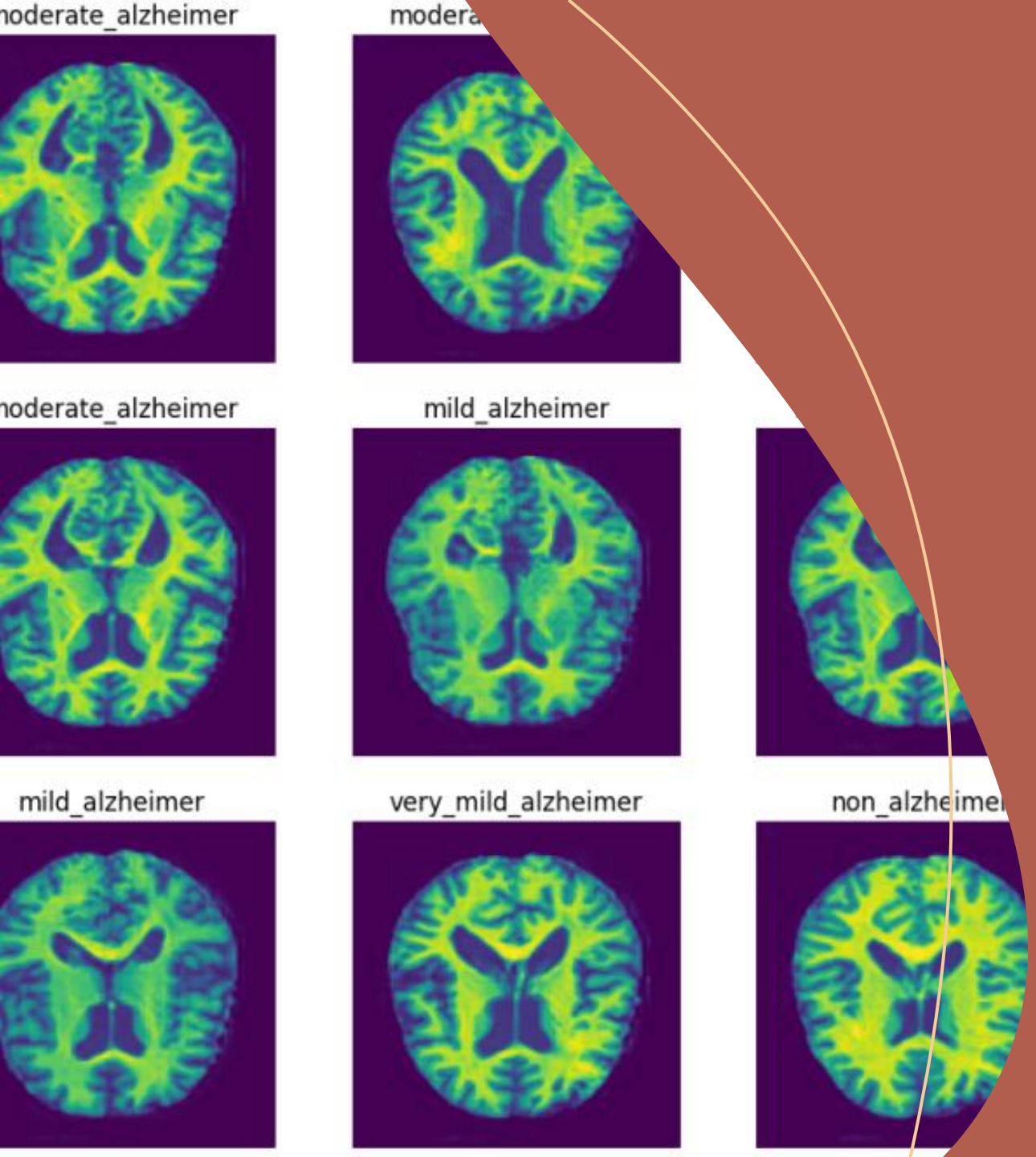

PANIC team - SHD2020

alzheimers-mri-analysis

Simon
Louis
Nicolas

Model (3 layers)

Test accuracy	Train: synthetic data Test: : real data	Train: real data Test: synthetic data
Binary classification (Alzheimer or not)	59%	80%
4 classes (not Alzheimer, very mild, mild, moderate)	50%	40%

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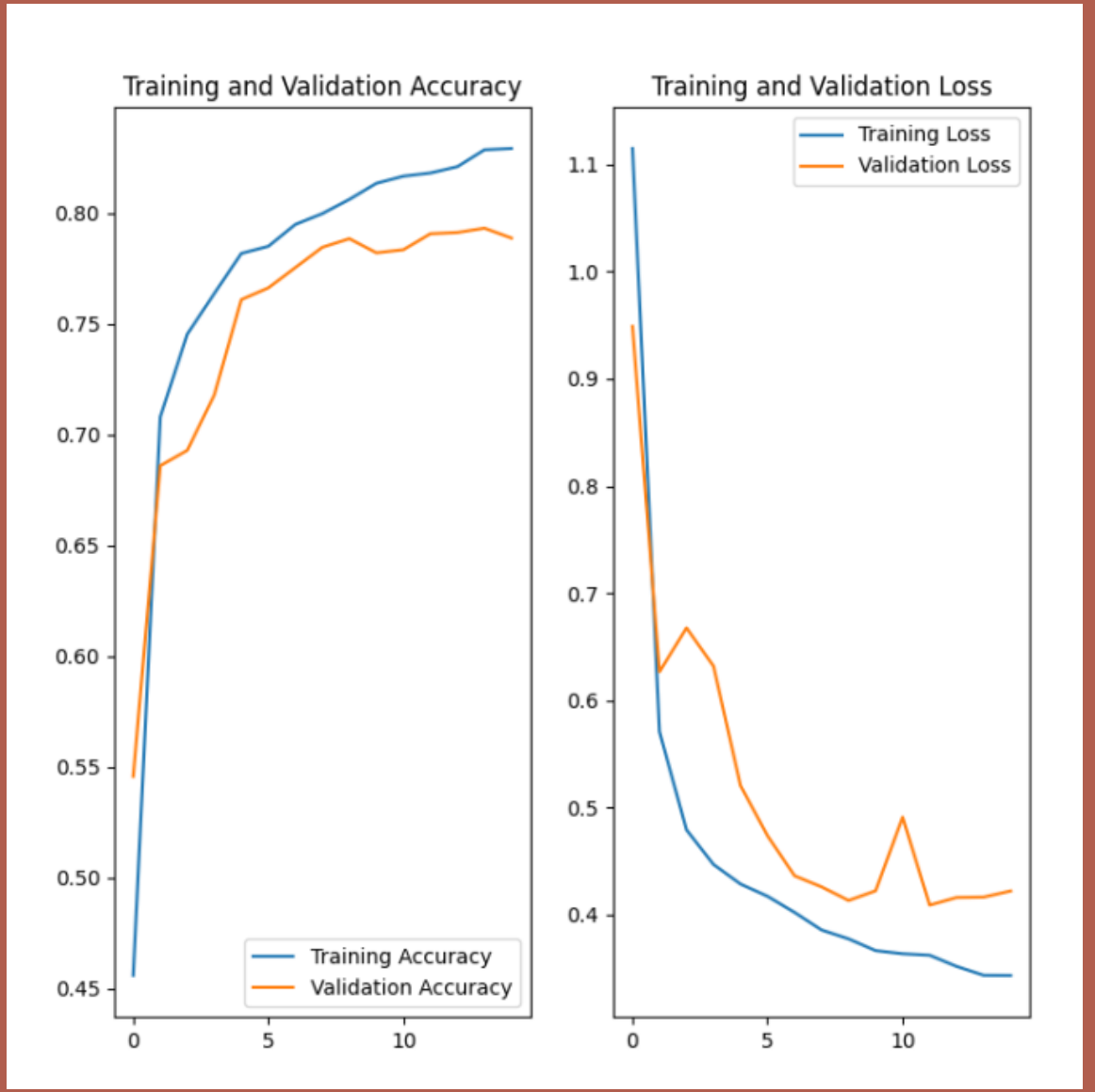
Focus on the model train on synthetic data, for 4 classes

(50% of accuracy on real data)



Accuracy and loss (depending of iteration of model) for **training** and **validation**

Perspectives

- Change neural network structure (layers number and nodes)
- Remove redundancy in images dataset
- Other methods available for image classification ?
- Improve the classification model with data-augmentation ?

This project was our first real introduction to image classification from synthetic data

Thank you !