



T-DEV-810 Zoidberg

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Sommaire

Introduction

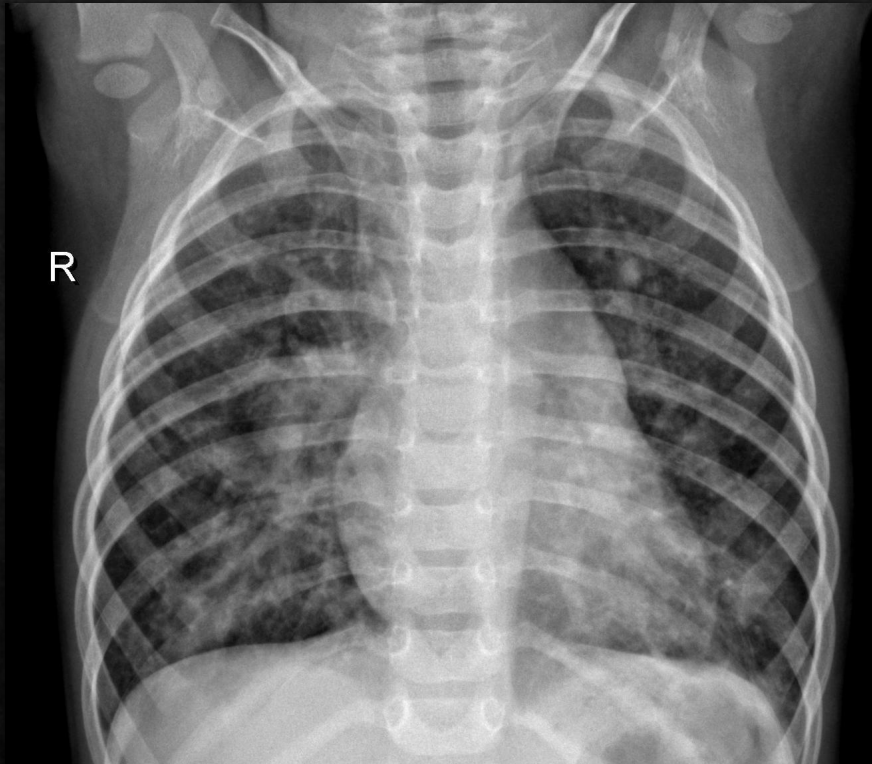
Réseau Neuronal Dense

Réseau Neuronal Convolutif – Part I

Réseau Neuronal Convolutif – Part II

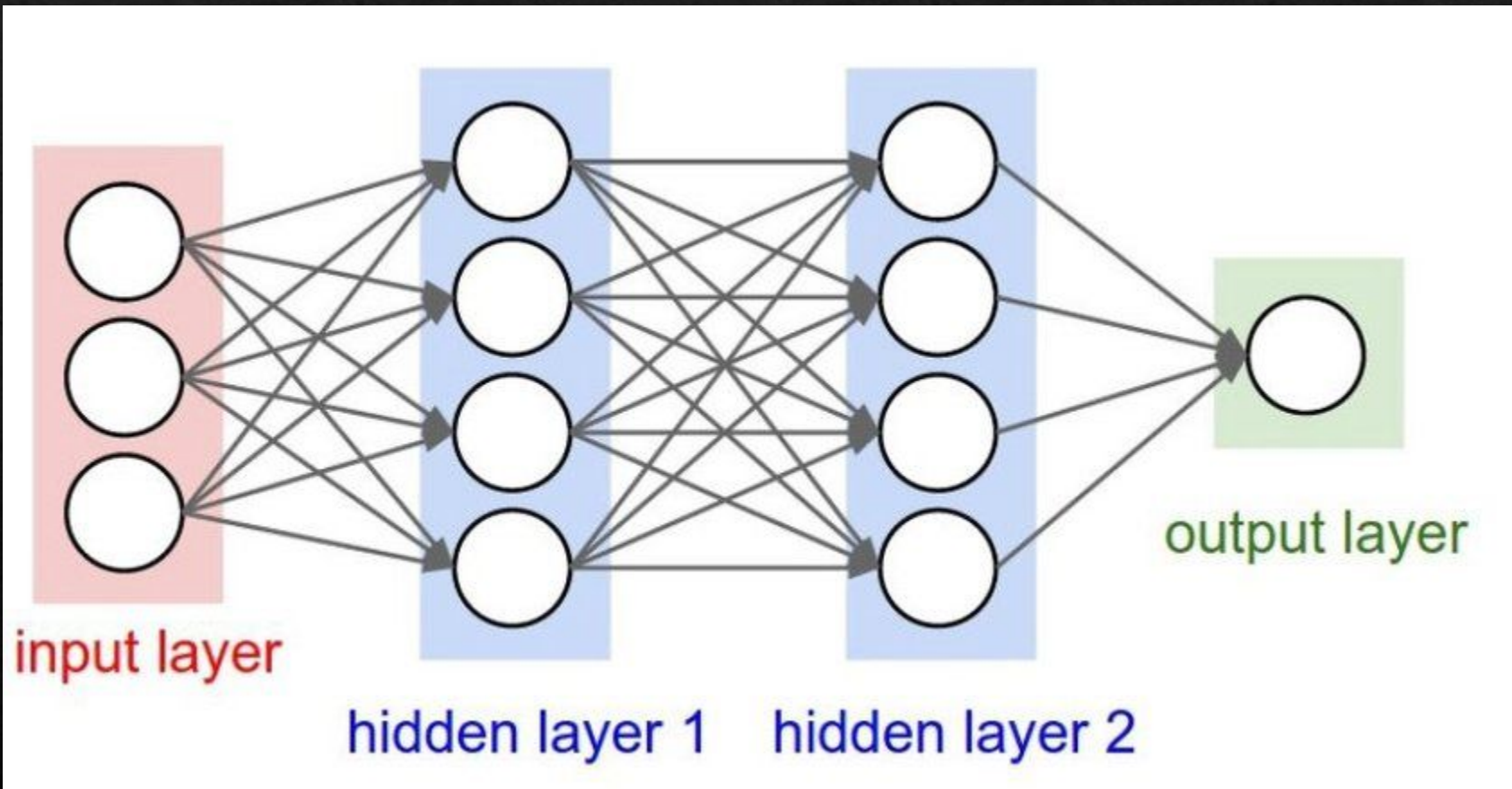
Algorithme RandomForest

Introduction

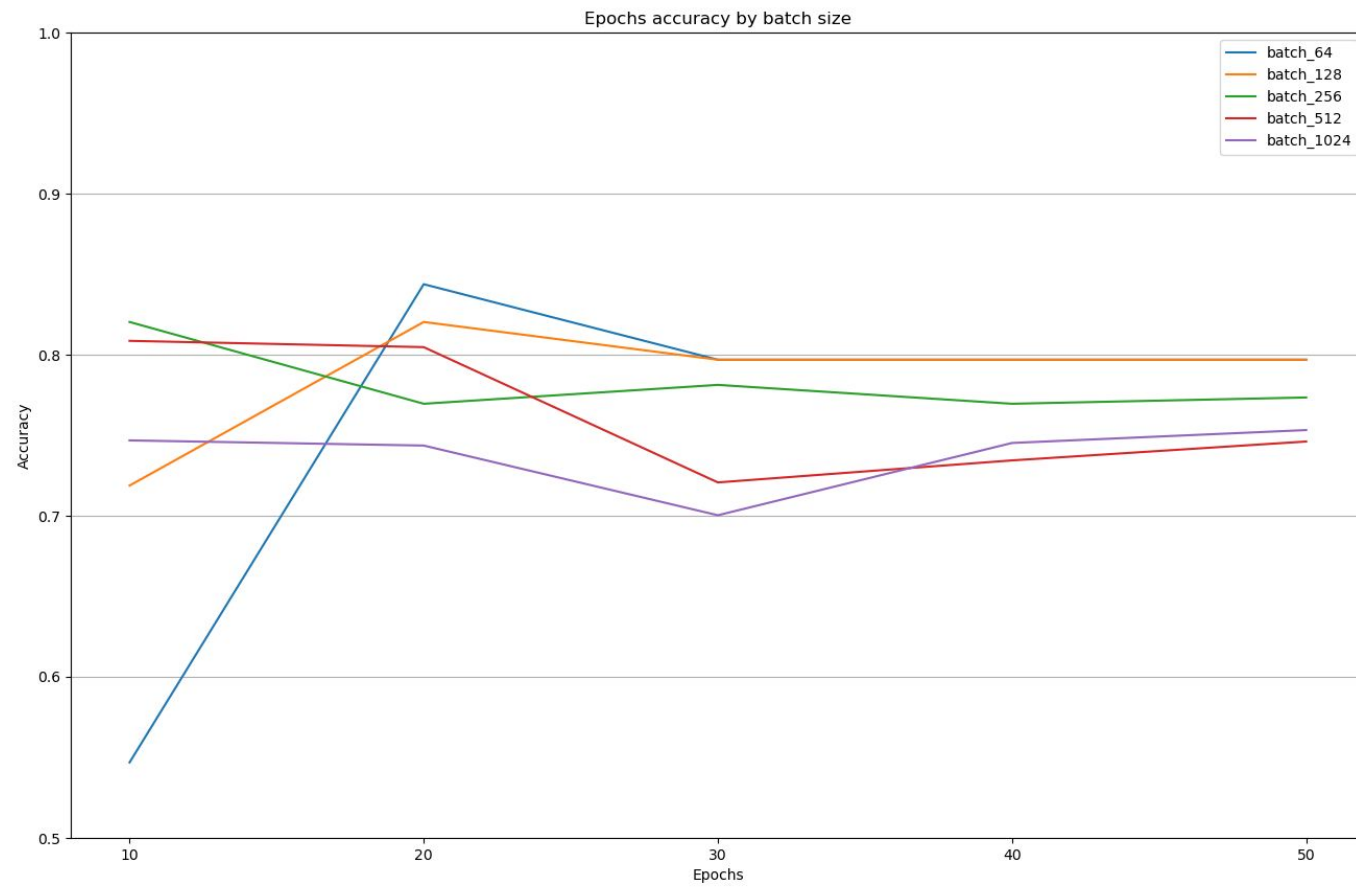


◇ Groupe de deux + un

Dense

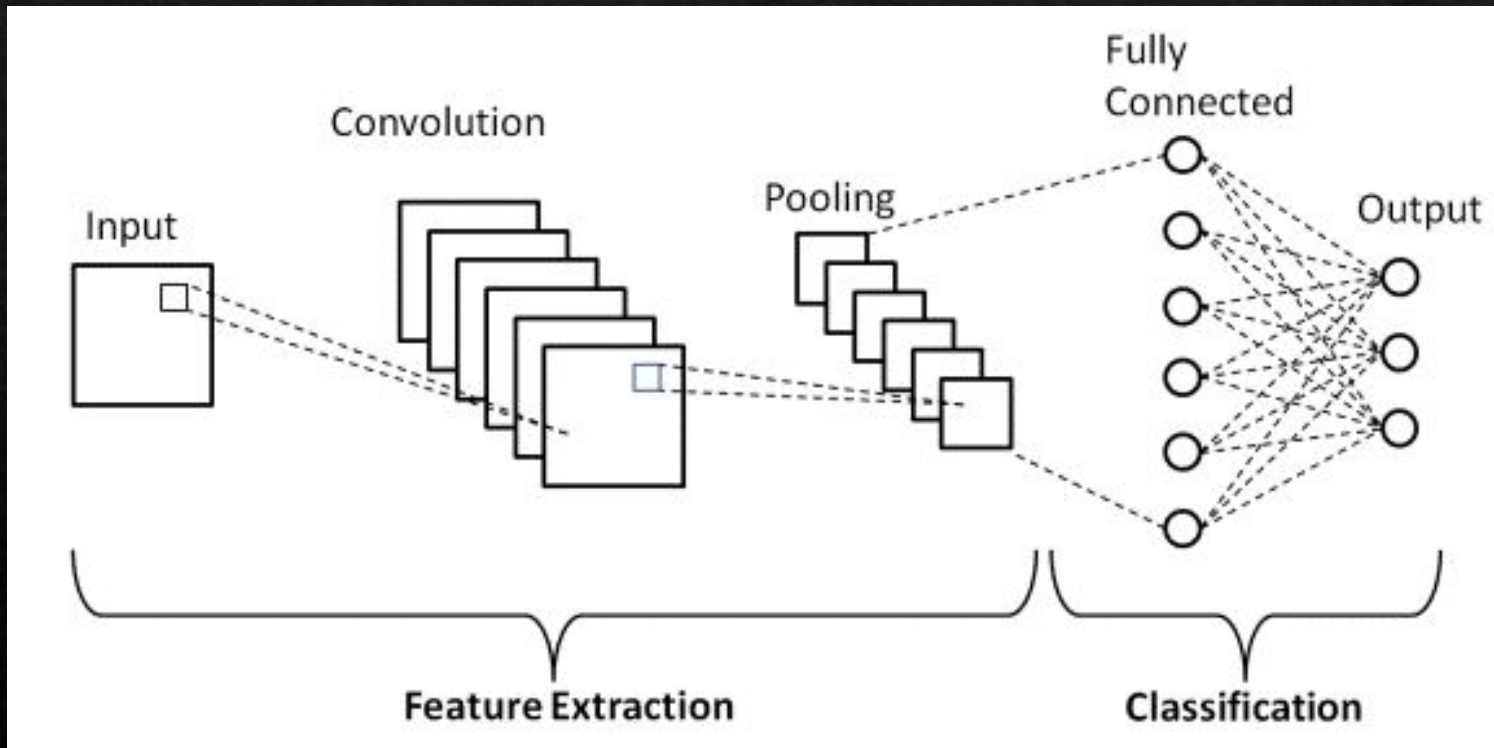


Dense



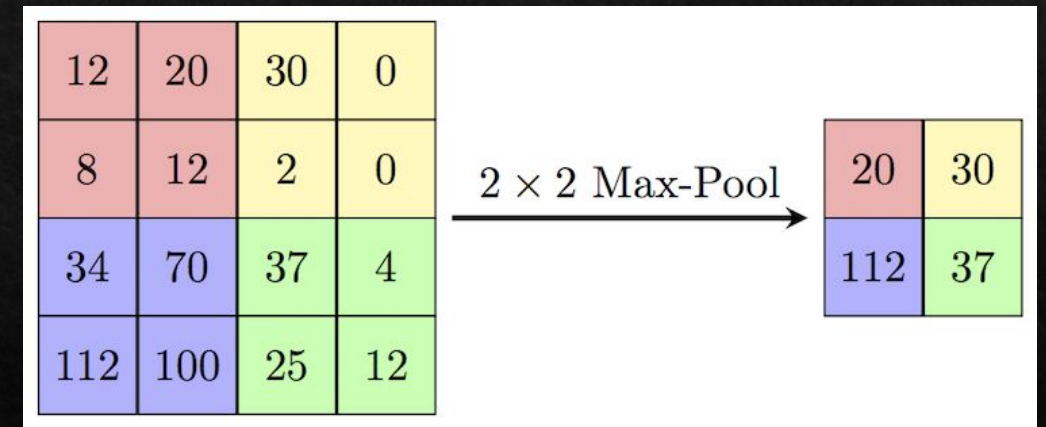
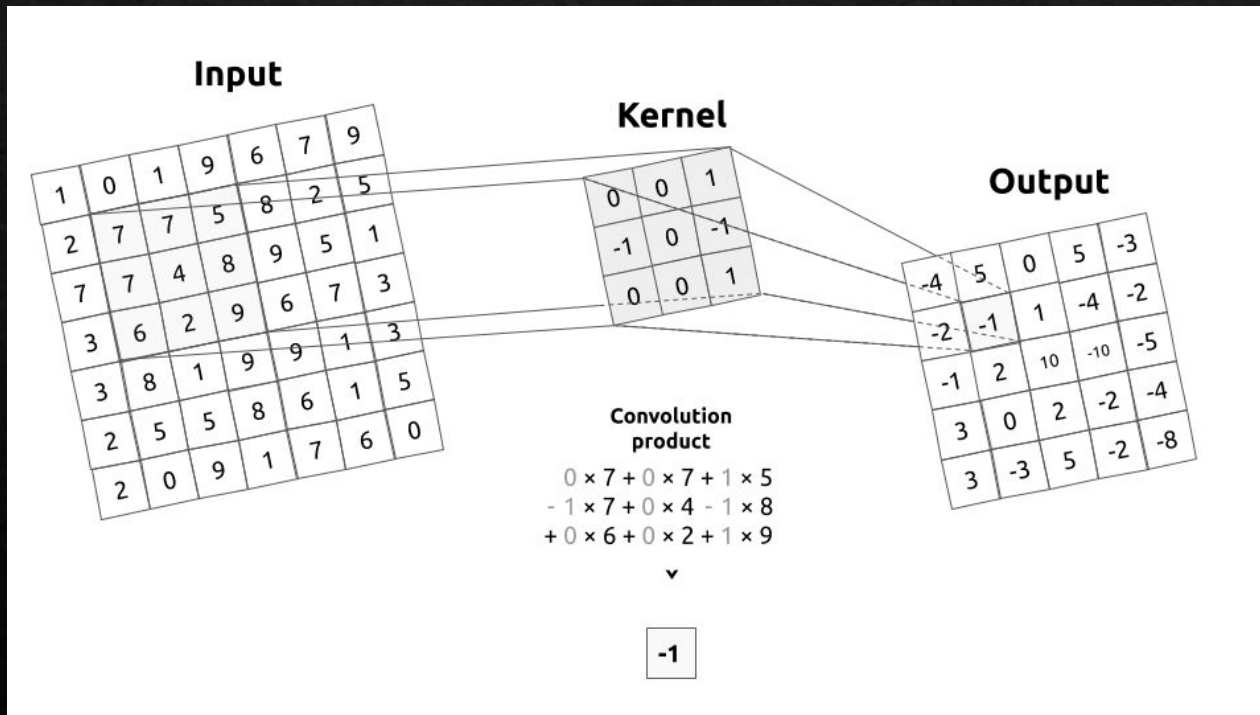
0.7812

Convolutional Neural Network



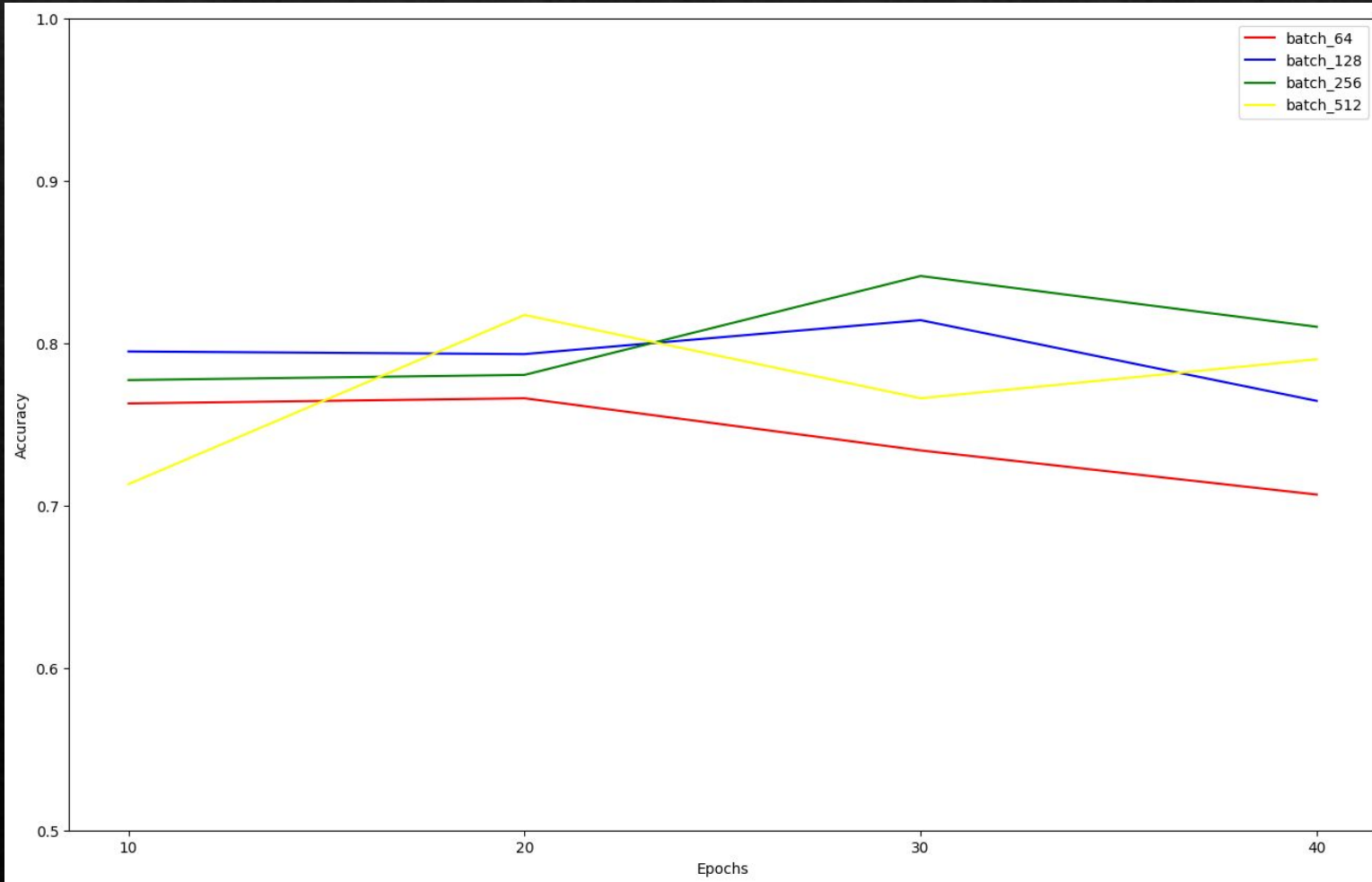
Reconnaissance d'images,
Reconnaissance de vidéos,
Traitement du langage naturel

Convolutional Neural Network



Couche MaxPooling2D

Convolutional Neural Network



Accuracy	10 epochs	20 epochs	30 epochs	40 epochs
batch_size 64	0.7628	0.7660	0.7339	0.7067
batch_size 128	0.7948	0.7932	0.8141	0.7644
batch_size 256	0.7772	0.7804	0.8413	0.8190
batch_size 512	0.7131	0.8173	0.7660	0.7981

Accuracy selon le batch size
et le nombre d'epochs

Meilleur résultat: 0.8413

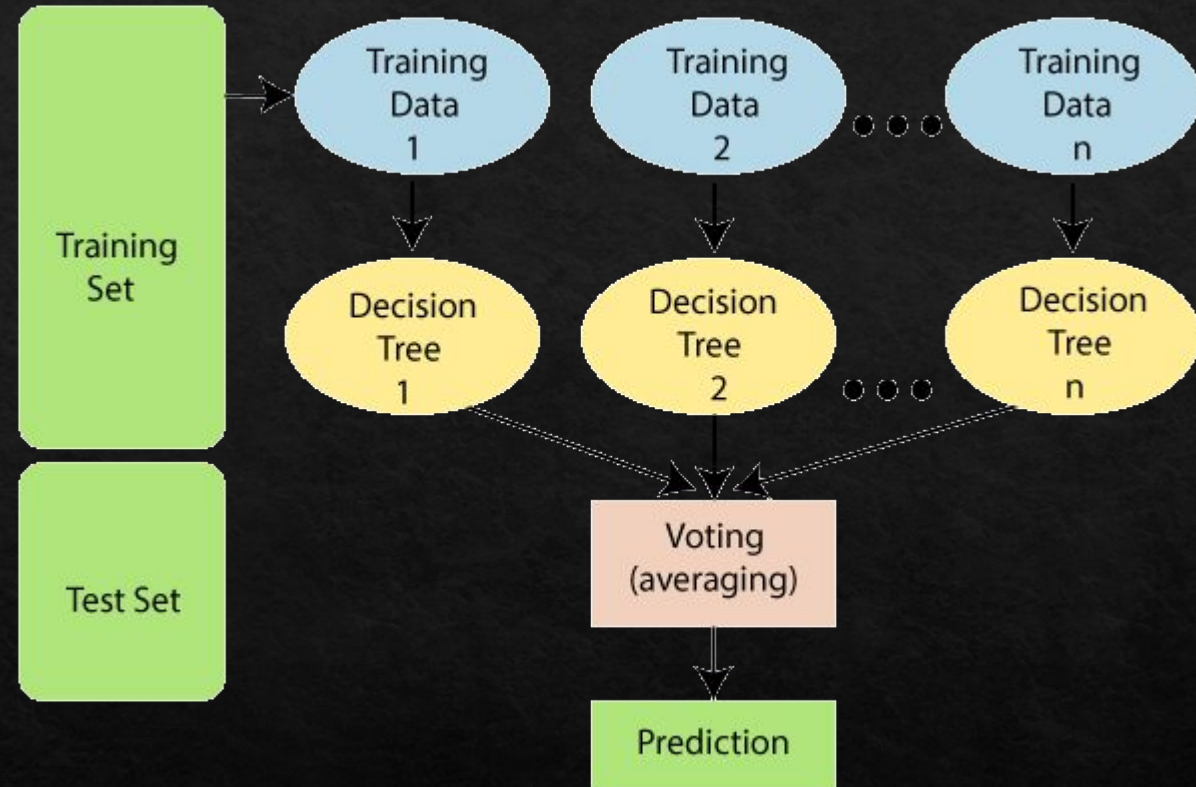
-> Batch size 256

-> 30 Epochs

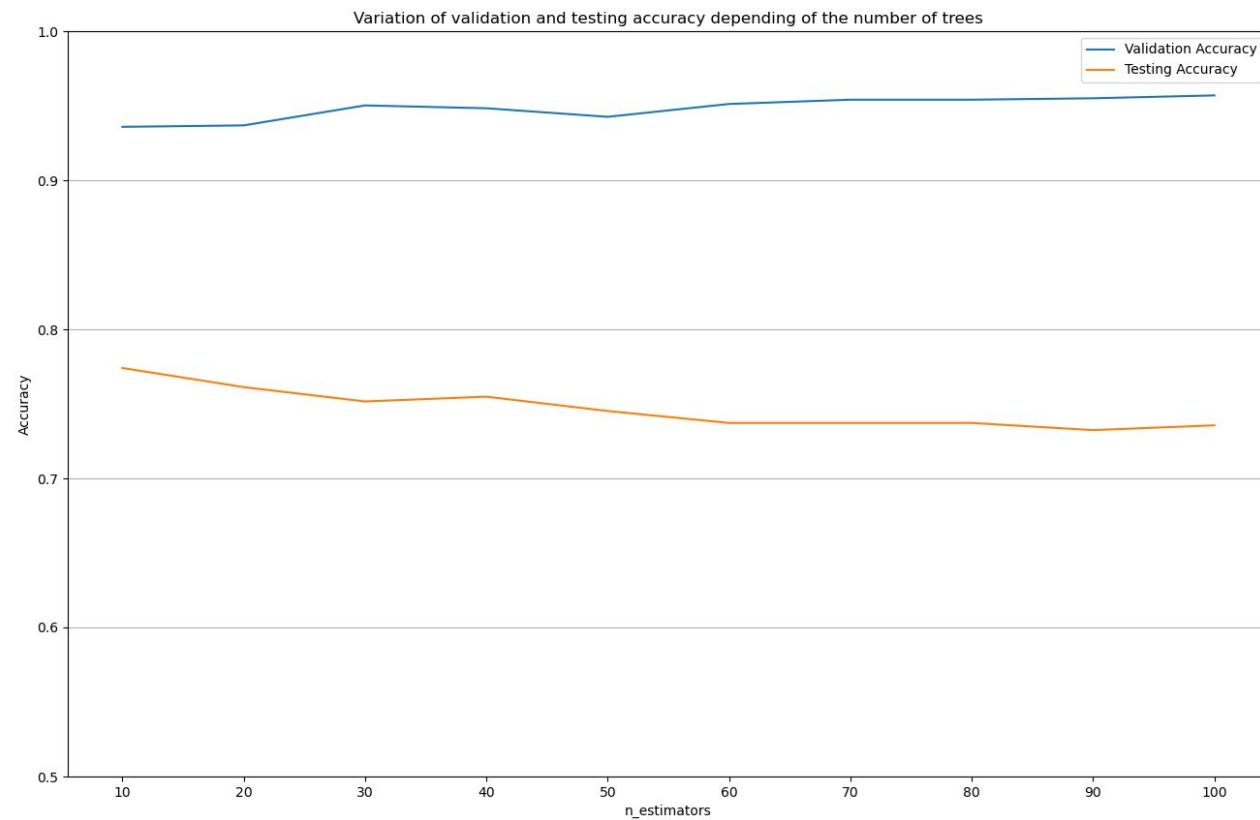
Convolutional Neural Network

Part II

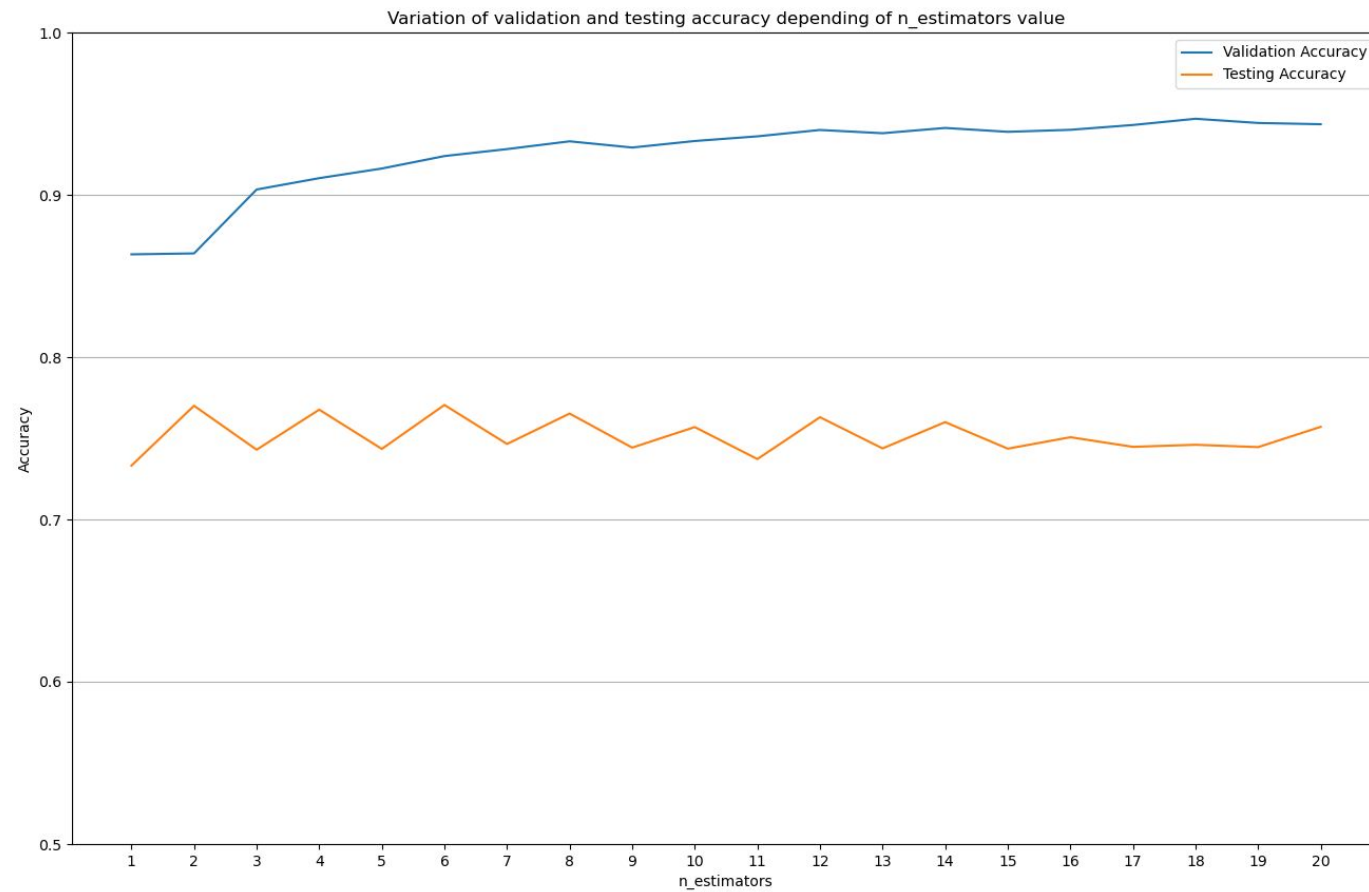
Random Forest



Random Forest



Random Forest



0.7917

Conclusion

Résultats (Accuracy) :

Dense Neural Network - 0.7812

Convolutional Neural Network - 0.8413

Random Forest - 0.7917