

Log Book

20/07:

I have coded a K-Fold Cross Validation to take all the models with 1 Dense & 2 conv2D layers with $f1 > 0.98$ and do cross-validation training without any special counter-overfitting method for DL models. I ran it during the night. But, the code works well, I tried with epochs = 1 and an excel tab was saved and readable

21/07:

I just remembered, it could be interesting to have a standard deviation of the F1-Score so I added a new column. I ran the code with Data Augmentation (mirroring) within I was listening to the presentation of Quividi by Olivier this morning. I also ran it without Data Augmentation.

22/07:

I just came to the office and I intended a presentation of Olivier during the morning and in the afternoon, I have worked on Python OOP and I wrote the code to take 5 most performing model and add anti-overfitting techniques (early stopping, dropouts)

23/07:

I have added batch normalization option and I ran the code to study the impact of dropout layers and early stopping (with no batch normalization)

24/07:

I came to the office to install vidireports on a NUC given by Olivier, I have ran the code with batch normalization to study the impact of batch normalization on the models. I have studied log sessions and graphs in Tensorflow to understand more how it works back end.

27/07:

I have added regularization option and I ran again batch normalization because I didn't have time at the office to let the code run completely Friday. Also, I have checked digital image processing techniques given by Enrico.