機器學習

Assignment #5

Deadline : **2022/05/24 11:59 pm**

使用Kaggle競賽的資料集：Parkinson's Freezing of Gait Prediction，並調整範例程式的DNN模型，如下:

1. 更改model的block數，比較調整前、調整後的模型準確率。你可以自由的增加block數，並提供模型訓練的Loss vs Iteration(或Epoch)圖，觀察模型的訓練是否過度擬合抑或訓練成功。

2. 更改model內block的層數，試著增加或減少nn.Linear 或nn.BatchNorm1d，比較調整前、調整後的模型準確率，並提供並提供模型訓練的Loss vs Iteration(或Epoch)圖。

※model的block數可在Config內的model_nblocks更改，block內層數在Model內更改
※Kaggle繳交方式在PPT內有教學

Sample Code:
https://www.kaggle.com/code/qiteng/dnn-parkinson-s-freezing-of-gait-prediction

Note:

- The assignment should be implemented by **Python**.
- You need to hand in the python code and the report (**PDF only**).
- In your report, it should contain: (請以中文撰寫)
  - **Execution description**: steps how to execute your codes.
  - **Experimental result**s: As specified in the assignment.
  - **Conclusion**: The observation from your results.
  - **Discussion**: The questions or the difficulties you met during the implementation.
- Assignment format
  - Zip all your files into a single one and upload it to the E-Course2 website.
- Please format the file name as: Student ID_proj5_verNo, ex: 611410063_proj5_v1.zip
- No copy! Late policy applies.