

ML Group Final Project 注意事項：

1. Date: week 15 (12/24) and week 17 (1/7)
2. 以 1~2 人為主
3. 評分以組別為單位（同組同分），且隨組員人數多寡而有不同標準（多人則較嚴）
4. Week 12 (12/3) 為 final project topic review, 請簡單準備 2~3 頁(3~5 分鐘) ppt 介紹想做的題目。
5. 分組名單與題目請在最遲在 week 12 的週三(12/1) 12:00 a.m. 前通過 e3、Gmail 或 line 等方式告知助教 chengshauwai.cn09@nycu.edu.tw。
6. Final Project 查核點：
 - a) 針對選擇的主題/問題來收集數據（從互聯網、採訪中或從數據庫採集獲得）
 - b) 用您選擇的 scikit-learn method (kNN, LinearSVC,...) 編寫 Python 程式
 - c) 用收集來的數據訓練模型
 - d) 至少應用 5 段 (5 folds) 以上的交叉評估。
 - e) 找到既不“過度擬合”也不“不夠擬合”的模型，寫下訓練集和測試集分數
 - f) 準備 ppt 在課堂上向大家展示您的成果
 - g) 解釋結果（即使您的模型結果不夠好/預測性低）

Guideline for ML Group Final Project:

1. Date: week 15 (12/24) and week 17 (1/7)
 2. 1~2 person per group
 3. The grades will be the same for all group members, and grading standard is vary based on the number of group members. (higher expectation for the group with more members)
 4. We'll be doing the final project topic review on Week 12 (12/3), please prepare 2~3 slides (3~5 minutes) to introduce the topic you are going to do.
 5. Please inform the teaching assistant chengshauwai.en09@nycu.edu.tw your group member list and project topic title through e3, Gmail, or line before 12:00 a.m (midnight) on Wednesday (12/1) of the week 12 at the latest.
 6. Final Project Checkpoints:
 - a) Collect data on selected topics/questions (from the Internet, interviews, or any accessible databases)
 - b) Pick a scikit-learn method (kNN, LinearSVC,...) of your choice to write the Python programs
 - c) Train the model with collected data.
 - d) At least 5 folds (or more) of cross-validation should be applied.
 - e) Find a model that is neither "overfitting" nor "underfitting", and write down the training set and test set scores
 - f) Prepare ppt to show everyone your results in class
 - g) Explain the result (even if your model result are not good enough/have low predictability)
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