

Machine Learning Final Project Rules

MLTAs

ntumlta2018@gmail.com

Final Project - Outline

- Intro
- Schedule
- Grading
- Report
- Github
- Bonus

Final Project - Intro

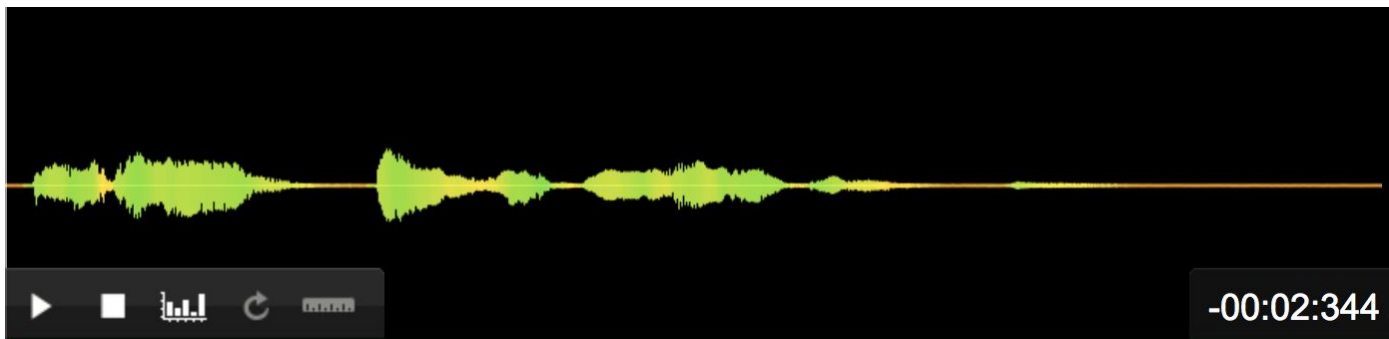
- All in Kaggle contest format
- Three different tasks:
 - Whale Identification Problem >> **[Whale]**
 - Sound Classification Problem >> **[Sound]**
 - Chinese TV Dialogue Multiple-choice Problem >> **[TV]**
- Total Grade: 40

Whale Identification Problem



Sound Classification Problem

"Acoustic_guitar", "Applause", "Bark", "Bass_drum", "Burping_or_eructation", "Bus",
"Cello", "Chime", "Clarinet", "Computer_keyboard", "Cough", "Cowbell",
"Double_bass".....



Chinese TV Dialogue Multiple-choice Problem

Q: 今天天氣真好！

- A. 哪有 明明就在下雨
- B. 這是我的血緣證明書
- C. 我還有事 我先走了 有空再聊
- D. 我要一份雞腿蛋堡 一杯冰紅茶 一份熱狗
- E. 這說來話長 你就別問了吧

Ans : A



Schedule

date	todo
4/19 Thu.	final project rules announce
4/26 23:59:59 Thu.	team makeup due & final project kaggle release
5/17 23:59:59 Thu.	stage one deadline
6/14 23:59:59 Thu.	stage two deadline
7/1 23:59:59 Sun.	ranking deadline
7/2 Mon.	final project presentation
7/5 23:59:59 Thu.	stage three deadline (report & github deadline)

Grading

- Report : 15%
- Complete Team-up before 4/26 : 2%
- Beyond Simple Baseline before stage one (5/17) : 2%
- Beyond Strong Baseline before stage two (6/14) : 2%
- Beyond Simple Baseline before stage three (7/5) : 3%
- Beyond Strong Baseline before stage three (7/5) : 3%
- Ranking: 10%
- Intra-group Peer Review: 3%
- note: all baseline in this page meant the **public baseline**

Grading Details - Team Makeup

- Team Member Number: 3-4 people
- Team-up Form: <https://goo.gl/forms/ym4KnJlDINZpDzlj2>
- Team name must start with 「NTU_隊長學號_」
 - (e.g. NTU_b03901086_笑嘻嘻超難吃==)
 - 之後於kaggle上請一律使用team-up form中所填寫的隊名
- Self Team Makeup before 4/26 23:59:59
- Auto Team Makeup after 4/26 23:59:59

Grading Details - Ranking

- There will be at least 10 team in each kaggle contest
- The ranking grade will be something that look like this: (not finalize)
 - top 30% in public : 10%
 - top 50% in public : 7.5%
 - top 75% in public : 5%
 - top 90% in public : 2%

Report (15%)

- Introduction & Motivation : 1%
- Data Preprocessing/Feature Engineering : 2%
- Model Description (At least two different models) : 4%
- Experiment and Discussion : 6%
- Conclusion : 1%
- Reference : 1%

Report (15%)











- 檔名格式需為 Report.pdf
- 請以中文撰寫
- 至少6頁, 至多12頁
- 若有引用網路上別人的任何work, 請一定要標明出處, 否則以作弊論

Github

- Upload to team leader's github 'ML2018SPRING' repository only
- Master only
- Github (&Report) Deadline: 7/5
- Any Github problem please refer to : Git-Tutorials 基本使用教學 [\[link\]](#)
- Any Github branch/merge problem please refer to : [\[link\]](#)
- Any markdown syntax problem please refer to : [\[link\]](#)
- Any 3rd party cloud storage service upload/download problem please refer to : [\[link\]](#)

Github

- Directory **/final** should at least contain: [\[example\]](#)
 - **/src** : where you put your codes
 - **Report.pdf** : your report
 - **README.md** : your tool-kits version and how to execute your codes
 - any other models/scripts/datasets/folders

 yangchris11 other		Latest commit d9d5f90 10 minutes ago
..		
 model	other	10 minutes ago
 src	src	13 minutes ago
 .DS_Store	src	13 minutes ago
 README.md	src	13 minutes ago
 Report.pdf	other	10 minutes ago
 data.sh	other	10 minutes ago
 download_dataset.sh	other	10 minutes ago
 test.sh	other	10 minutes ago
 train.sh	other	10 minutes ago

Bonus

- If you are top-3 teams in each of the task you are welcomed to give a presentation on 7/2
- Presentation time: 10 min
- Bonus score: 3