

CSIE 5043: Machine Learning

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Course Introduction, 09/19/2011

Only English

- English teaching
- English homework writing
- English email communications
- English forum discussions
- exception: Mandarin face-to-face discussions

If you are not comfortable with **English-teaching** classrooms, ...

Complicated Contents

- from a Taiwanese student taking MIT ML class (translated):
The professor started writing math equations as if he was using some writing accelerator. After class I always felt feeble. The worst part is: I needed to understand the contents as soon as I can. Otherwise I cannot finish the homework and cannot follow up in the next class.
- NTU ML class: designed to be **as good as** the best classes in the world
- similar things will happen to you

If you are not willing to be so **miserable**, ...

Strict Instructor

- Will you give me a second chance if I copy homework from other people? **NO**.
- Could you let me pass because I will be kicked out by the 1/2 rule? **NO**.
- Will you change my score from 59 to 60? **NO**.
- Will you tolerate me to turn in my homework 10 minutes late? **NO**.
- How many will pass? **Any**, if necessary.

If you do not like a **strict** instructor, ...

Four Reasons for NOT Taking the Course (4/4)

Huge Loads

- from a student taking ML class last year (posted on BBS):

lxxxxxx9: 作業光一小題就要我們test 100次?($100 \times 10\text{min} = 16\text{hr}$) 唉 反覆檢查許多遍 希望是我的code寫壞了 不然出這作業的人真的很沒良心= =

- our class: **four to six** times harder than a normal one in NTU
- around seven homework sets (and a hard final project)
- homework due within two weeks
- even have homework 0 and 1 **NOW**
 - already hard
 - **no need to submit homework 0**, but need to submit homework 1

If you do not want to spend **so much time on homework**, ...

May the Brave Ones Stay

Basic Information

- instructor: Hsuan-Tien Lin (htlin@csie.ntu.edu.tw)
- office hour: after class or by appointment
- course webpage: <https://ceiba.ntu.edu.tw/1001ML>
announcements, homework, reference handouts, etc.
- mailing list: supported by CEIBA

update your secondary email address on CEIBA

- at most 98 in Room 102
- readily have 98 now
- new cases: sign up for the univ. lottery first, may add **a few** more in the third week if space allows
- auditing: welcomed (to sit) only if there is an empty chair

Drop as soon as possible!
Give your motivated classmates a chance to be miserable.

Teaching Assistants

ml2011ta@csie.ntu.edu.tw

TA Hour: Tuesdays 6:30pm to 7:30pm in R105

Ku-Chun Chou



Polone Chen



Yu-Cheng Chou



Wei-Yuan Shen



Chun-Yen Ho



Chung-Liang Li



Yi-Hung Huang



Go to TA hours to discuss with TAs and classmates!

Learning from Data

Y. Abu-Mostafa (Caltech), M. Ismail-Madgon (RPI), H.-T. Lin (NTU)

- idea initiated during ML2008
- about 5 chapters out of 19 close to finalized, some more drafts coming in this term
- teaching with the book, many homework problems within the book, reading assignments within the book

More about the Book

book forum and downloading : <http://book.caltech.edu>

Your Privileges

- learn from the **first draft** of the book
- download the draft **freely**

Your Responsibilities

- discuss with RPI students **actively** on the forum
- comment about the book on the forum **bravely**
- **do not distribute the draft**

enrolling in this class means agreeing to the items above

Taking any unfair advantages over other class members is not allowed. It is everyone's responsibility to maximize the level of fairness.

- eating? fine, but no smells and no noise
- sleeping? fine, but no snoring
- cellphone? fine, but silent mode, and speak outside
- ...

applies to instructor, TAs, students

NO CHEATING

NO LYING

NO PLAGIARISM

NO PIRATING of THE BOOK

very serious consequences

- no midterm, no final
- main reference: homework sets, final project
- fine-tune: participation in discussions

Collaboration and Open-Book

- homework discussions: encouraged
- but fairness?
write the final solutions alone and understand them fully
- references (books, notes, Internet):
consulted, but **not copied from**
- no need to lend/borrow solutions

to maximize fairness (everyone's responsibility),
lending/borrowing not allowed

Collaboration and Open-Book

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Deal? If your classmate wants to borrow homework from you,
what do you say?

- students: justify solutions clearly
- TAs: evaluate solutions fairly
- penalty for late “parts”:
90% of value for 12-hour late, 80% one-day late, ...

10-min late is 12-hour late

Programming Assignments

- about a third or half of the problems
- any programming language, any platforms
- upload **source code and predictions**, otherwise:
10% of value only!
- **no sophisticated packages**

students' responsibility:

ask TA in advance for what can/cannot be used

Important TODOs

- Update your secondary email address on CEIBA!
- Sign the agreement form, and register on the forum (wait for approval).
- Do homework 0 and 1; go to the TA hour for questions.
- If you still want to be added, sign the form first (and try to enroll online) and wait for our decisions later.

May the Brave Ones Stay

One More Note on Discussions

- **book discussion:** <http://book.caltech.edu>
—English
 - introduce yourself
 - download the sections and discuss
- **class discussion:** simply use board learner@ptt2.cc
—English
- **email discussion:** htlin@csie.ntu.edu.tw and TAs
(m12011ta@csie.ntu.edu.tw)
—English
- **face-to-face discussion:** office hour with instructor, or TA hour
—Any language that we know

Questions?