# **Machine Learning**

**General Tutorial** 

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## **Outline**

- Github Setup
- OS rules
- Virtual Environment

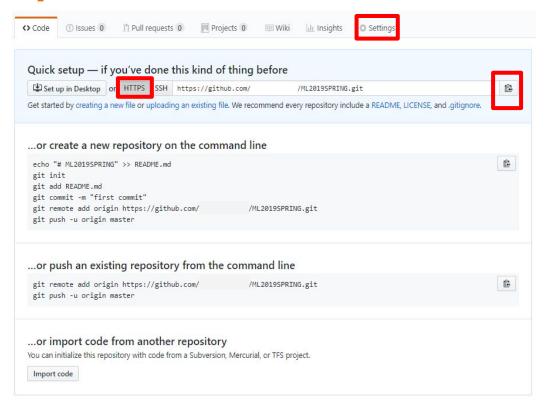
- Github Sign Up
  - 請使用ntu信箱辦理帳號 [link]
    - 申請Github Education較方便(才能免費使用 private功能)
    - 日後還可以綁定其他常用信箱
  - 請使用此帳號申請學生版附加功能 [link]
    - 點選右上角 Join Github Education
    - 勾選 Student/Individual account
    - 勾選 ntu 信箱
    - 在How do you plan to use Github? 填寫 "For NTU Machine Learning Lecture"
    - 點選 Submit Request (通常需要一到三天時間)



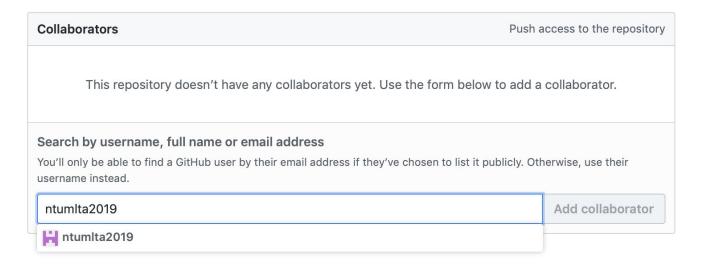
- New Repository
  - 請將repo命名為ML2019SPRING
  - 請將權限設定為 private
  - 若命名或者權限有任何問題將可能導致作業 0分, 請務必注意
- Add Collaborator
  - 請將助教帳號加入該 repo 的 collaborator
  - 助教帳號為: ntumlta2019
- Fill the Repo Form
  - 請在 2/24 Sun. 23:59:59 前填寫完畢
  - github repo url 請填 HTTPS
  - o Github Repo表單

#### Create a new repository

A repository contains all project files, including the revision history. Repository name \* Owner ... hyes92121 → ML2019SPRING Great repository names are short and memorable. Need inspiration? How about animated-meme? Description (optional) Anyone can see this repository. You choose who can commit. You choose who can see and commit to this repository. ☐ Initialize this repository with a README This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository. Add .gitignore: None ▼ Add a license: None ▼ Create repository



Options
Collaborators
Webhooks
Notifications
Integrations & services
Deploy keys



### **Github Tutorial**

https://github.com/hyes92121/ml-tutorial/tree/master/github

#### **OS** rules

- Please use OSX (MAC OS) or linux as your operating system in this class.
- Windows is not prohibited but is strongly discouraged and the student should take full responsibility for any consequences.
- Questions on how to install linux on a windows machine can be found on Google.
  The TA's will not teach you how to install linux.

#### **Virtual Environment**

- Each year, there are students importing prohibited modules and causing them to lose points.
- So this year we are trying something new.
- For each HW, we will release the exact grading environment using Miniconda.
- More information can be found here. [link]

#### **Virtual Environment**

- Note that this mechanism is NOT a guarantee that your code will run successfully on our machine but merely a sanity check.
- Any error occurrence while executing your code on our machines will still receive a penalty.
- This is the first time we are experimenting with this, so the TA's reserve the rights to make the final decision regarding any unexpected events.

#### **Virtual Environment Tutorial**

Virtual Environment Tutorial