Git
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Cloud Computing
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Your Final Python Class (Maybe)
○○○

Your First Python Project
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Machine Learning for Economists

Class 3: Our Weapons: Git, Cloud Computing & Python

葛雷

中国人民大学经济院

2025 年 3 月 5 日

RENMIN UNIVERSITY OF CHINA

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Why Git?

- Git is must-learn tools for the modelers in industries

- With Git you cooperate with your teammates easily

- We use Git to 1) share slides, 2) share codes, 3) submit homeworks & quiz 4) cooperate on modeling projects with teammates

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Our Git Group

1. Github (人大量化)
   https://github.com/Quant-of-Renmin-
   University/QuantEcon2025_RUC

2. Please add to our Git group, team and repo for the permission
   (详细请看上一讲)

3. Go to our class repo

4. Create a personal folder by using **submission branch**

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Why Cloud Computing

- Powerful

- Built for AI and Quant Modeling

- Cheaper than traditional computers

- Amazon AWS, Microsoft Azure, Google Colab,

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Cloud Computing Not Cheap

- Could computing is not cheap for us as students

- Price charts for Ali Yun (Links)

云服务器ECS规格	CPU内存	公网带宽	系统盘	优惠价
GPU云服务器gn6v（ecs.gn6v-c8g1.2xlarge)	8核32G（16G显存V100计算卡)	1M-200M带宽可选	40G系统盘	3048.00元/月，27432.00元一年
GPU云服务器gn6i（ecs.gn6i-c4g1.xlarge)	4核15G（NVIDIA 16G显存T4计算卡)	1M-200M带宽可选	40G系统盘	1339.20元/月，12052.80元一年
GPU云服务器vgn6i（ecs.vgn6i-m4.xlarge)	4核23G（NVIDIA 支持4GB和8GB显存T4计算卡)	1M-200M带宽可选	40G系统盘	469.46元/月，4225.14元一年

Free Cloud Computing

- Github Codespaces

- Google Colab

- Kaggle

- Limitations: 1) not enough CPU or GPU; 2) Time not enough; 3) Can't access

RUC Cloud Computing (follow me)

- Thanks to Renmin University Cloud for our students

- Renmin Univ. invested great fortune to help you to learn AI & to be the talent of the future

- https://datahub.ruc.edu.cn

Setup RUC cloud computing (Follow Me)

1. Go to https://datahub.ruc.edu.cn

2. follow me to add the class group

3. **Use it !!!**

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Your Final Python Class (Maybe)

- We will go through QuantEcon Classes (depending our your study progress)

- Please **RUN** the codes step by step following me on class

- Also you should run them and read section by section at home **at least once**

- To push your Python learning, we have cold calls on class for the codes we learned

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Please turn to our codes

JUST RUN IT!!!

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Your First Python Project

- Your first AI project

- Use the python skills we learn from first 3 classes

- Solve the problems within team, but coding independently

Grad School Application Generator

- The application materials will take us huge time

- Application agencies, they will charge tens of thousands of CNY

- The agencies always make mistakes

- So we use the python and template to generate the Application Letters automatically