

# AI for Finance

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

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Quant RUC (人量化) & IE Finance

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# Git

# Cloud Computing

# Your Final Python Part Class (Maybe)

# Your First Python Project

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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

# Our Git Group

1. Github (QuantRUC)

[https://github.com/Quant-of-Renmin-University/Quant\\_IE\\_Business\\_School\\_Modelers](https://github.com/Quant-of-Renmin-University/Quant_IE_Business_School_Modelers)

2. Go to our class repo

3. Create a personal folder

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# Why Cloud Computing

- Powerful
- Built for AI and Quant Modeling
- Cheaper than traditional computers
- Amazon AWS, Microsoft Azure, Google Colab,

# Cloud Computing Not Cheap

- Could computing is not cheap for us as PhD students
- Price charts for AWS EC2 (Links)

	Instance name ▾	vCPUs ▾	Memory ▾	Network Performance ▾	Storage ▾	On-Demand Hourly Cost ▲
<input type="radio"/>	g3.4xlarge	16	122 GiB	Up to 10 Gigabit	EBS only	1.254
<input type="radio"/>	g3.8xlarge	32	244 GiB	10 Gigabit	EBS only	2.508
<input checked="" type="radio"/>	g3.16xlarge	64	488 GiB	20 Gigabit	EBS only	4.56

Total Upfront cost: 0.00 USD  
Total Monthly cost: 4,788.80 USD

Show Details ▾ Cancel Save and view summary

# Free Cloud Computing

- Github Codespaces
  - (Please use your edu email for the subscription)
- Google Colab
- Kaggle

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# Your Final Python Part Class

- We will go through QuantEcon Classes
- 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

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

# Job Application Generator

- The application materials will take us huge time
- Huge time spending and a little error can destroy our career
- So we use the python and template to generate the application Letters automatically