Git
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Cloud Computing
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Your Final Python Part Class (Maybe)
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Your First Python Project
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AI for Finance
Class 3: Our Weapons: Git, Cloud Computing & Python

Ray Ge

Quant RUC (人大量化) & IE Finance

January 22, 2026

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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_Modelers/tree/main/Models

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,

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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 ▲
○	g3.4xlarge	16	122 GiB	Up to 10 Gigabit	EBS only	1.254
○	g3.8xlarge	32	244 GiB	10 Gigabit	EBS only	2.508
●	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

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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

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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

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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