JIA, ZHANG

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Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong

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EDUCATION

Hong Kong Univeristy of Science and Technology, Business School *Sep.2021 - Present*
MPhil-PhD in *Finance* CGA: 4.0/4.3

Renmin University of China, School of Economics *Sep.2018 - Jun.2021*
Master in *Quantitative Economics* GPA: 3.94/4.00 Rank: 1/48

Southwestern University of Finance and Economics, School of Finance *Sep.2014-Jun.2018*
Bachelor of *Finance* GPA: 4.0/5.0 Rank: 1/58

RESEARCH PROJECTS

Relating Life Cycle of the Factor Zoo to Market States, *working in progress* (Advisor: Yonghui Zhang)
Description: identify the time-varying risk factors in explaining the cross-section of US stock returns, depict how a factor enters and exits the "factor zoo" coined by John Cochrane (2009), and relate the time-varying behavior of factors to market states.
Things I have done:
- estimate the time-varying loadings using nonparametric methods (e.g., local polynomials) and shrink the high cross-sectional dimension via machine learning methods (e.g., the LASSO).
- write R code for the non-parametric estimator of SDF loadings; use SAS code to fetch and manipulate high dimensional data from the WRDS database.
- discuss the statistical properties of the non-parametric estimator.

Measuring the Impact of Securitization on Commercial Banks' Systemic Risk, working paper
Description: Inspired by Basel III, this paper studies how securitization affects systemic risk among financial institutions in China and whether this impact will be different for national and regional banks.
Things I have done:
- collect data of 25 Chinese commercial banks from multiple resources; write R code to clean, visualize, and analyze the data.
- follow Adrian & Brunnermeier (2016) to estimate CoVaRs (Conditional Value-at-Risk) using quantile regression.
- explore the impact of credit ABS (asset-backed securities) on CoVaRs after controlling a set of variables.

SKILLS

Programming & Analysis	R (Advanced), MATLAB, Python, SAS, Stata (Basic), Quarto
Software & Tool	LaTeX, MS Office
Languages	Chinese(Native), English(Fluent), Spanish(Basic)

TEACHING EXPERIENCES

Alternative Investment Management (Graduate Course: N = 70) Jan. 2023-Feb. 2023
HKUST, SMB *TA*

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Investment Analysis (Graduate Course: N = 80) Sep. 2022-Oct. 2022
HKUST, SMB *TA*

· *Evaluations: 4.74/5 (cf. Departmental Mean = 4.41)*

Empirical Methods in Finance (Graduate Course: N = 79) Aug. 2022-Oct. 2022
HKUST, SMB *TA*

· *Evaluations: 4.76/5 (cf. Departmental Mean = 4.41)*

Mathematical Analytical Methods (Graduate Course: N = 22) Sep. 2020-Jan. 2021
Remnin University of China, School of Economics *TA*

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Econometrics (Undergraduate Course: N = 73) Sep. 2019-Jan. 2020
Remnin University of China, School of Economics *TA(Innovation & Talent Plan)*

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Advanced Econometrics (Ph.D. Course: N = 46) Sep. 2019-Jan. 2020
Remnin University of China, School of Economics *TA*

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INTERN EXPERIENCES

Beijing Normal University, SERM May-Jun. 2018
Investigator *Rural schools in Sichuan, China*

- Assisted in conducting behavioral economic experiments at 4 rural schools in Sichuan province (Santai and Beichuan).
- Collected over 1000 observations with group members for analyzing the preference development of left-behind children.

Chengdu Chenshi Technology Co.Ltd Sep.-Nov. 2017
Financial Data Analyst *R programming*

- Designed small programs of financial data analysis such as binomial option pricing and risk management.
- Wrote 5 online experimental courses in the area of Economics & Management.

The Survey and Research Center for China Household Finance Jul.-Aug. 2015
Investigator *Beijing & Lanzhou*

- Surveyed over 20 micro & small enterprises. *Excellent Investigato*r for communication skills.

AWARDS

Postgraduate Studentship, HKUST *2021 - Present*
First-class Academic Scholarship ×2, RUC *(top 30%)* *2018 - 2020*
Agricultural Bank of China (ABC) Scholarship, RUC *(top 1%)* *2019 - 2020*
Samsung Scholarship, RUC *(top 1%)* *2018 - 2019*
Academic Scholarships: First-class×5 *(top 4%)*, Second-class×2 *(top 10%)*, SWUFE *2014 - 2018*
China Merchants Bank (CMBC) Scholarship, SWUFE *(top 1%)* *2015 - 2016*
National Encouragement scholarship, SWUFE *(top 10%)* *2014 - 2015*
Merit Student of SWUFE *(top 10%)* *2014 - 2015*

EXAMS & CERTIFICATES

TOEFL (tested only once on Aug. 31, 2020): R30 L28 S25 W27

GRE (tested only once on Oct. 11, 2020): V163 Q170 AW4.0

The Securities Qualification Certificate

National Computer Rank Examination Certificates, Grade 2, MS Office