

# Yu Yi

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## Education

**Ph.D. in Economics, London School of Economics**, expected 2023.

Advisors: Shengxing Zhang

Thesis Title: "Essay of Banking in Macroeconomics"

**MRes. in Economics, London School of Economics**, 2019.

**MSc. in Econometrics and Mathematical Economics (EME), London School of Economics**, 2017.

With Distinction.

**B.A. in Economics and B.S. in Mathematics, Wuhan University**, 2016.

**Academic Visit, Peking University HSBC Business School**, 2022

## Fields of Interest

Macro Finance, Macroeconomics

## Working Papers

Bank Capital, Bank Concentration, and Financial Stability, 2022. (**Job Market Paper**)

***Abstract:** How does bank capital affect the relationship between bank concentration and risk taking? I develop a tractable dynamic model with heterogeneous financially constrained entrepreneurs and an imperfectly competitive banking sector. Based on the model, when the bank capital ratio exceeds the minimum requirement, intensifying bank competition leads to more risk taking; otherwise, no significant correlation is observed. To explain the equilibrium characterization, I propose two mechanisms, a risk shifting mechanism and a net margin mechanism, the direction of which will be determined by the banks' optimal decisions on the loan rate and the accumulation of excess bank capital. The two forces also jointly determine a non-monotonic relationship between bank concentration and efficiency. I discuss how efficiency and stability can be enhanced simultaneously.*

Bank Concentration, Bank Capital, and Misallocation, 2022.

***Abstract:** U.S. bank concentration, together with the bank capital, have been rising over the last thirty years. Based on the stylized facts, I develop a tractable dynamic model with heterogeneous financially constrained entrepreneurs and an imperfectly competitive banking sector. The model implies that increasing bank concentration leads to an increase in bank capital and a possibly non-binding capital constraint. I use the model to understand how bank concentration affects misallocation through the interaction between bank concentration and bank capital when the financial market is incomplete, which I refer to as the "bank capital channel". This channel suggests that banks overaccumulate equity capital in terms of allocative efficiency, based on which I discuss implications on regulations.*

## Awards and Honors

LSE Full Scholarship, LSE, 2017-2021.

Teaching Bonus Award, LSE, 2020-2021.

Outstanding Student Scholarship, Wuhan University, 2012-2015.

Honored Graduate, Wuhan University, 2016.

## Research Experience

Research Assistant for Shengxing Zhang (LSE) & Keyu Jin (LSE), 2019-2020

Research Assistant for Ethan Ilzetzki (LSE) & Keyu Jin (LSE), 2019-2020

"The Puzzling Change in the International Transmission of U.S. Macroeconomic Policy Shocks",  
published at Journal of International Economics

Research Assistant for Shengxing Zhang (LSE) 2017-2018

## Teaching Experience

Teaching Assistant, Corporate Finance (master), UCL, 2021-2022.

Teaching Assistant, Pre-session Mathematics for Micro and Macro (master), LSE, 2018

Teaching Assistant, Principles of Econometrics (undergraduate), LSE, 2018-2021

Teaching Assistant, International Economics (undergraduate), Wuhan University, 2015-2016.

Teaching Assistant, Ordinary Differential Equations (undergraduate), Wuhan University, 2015-2016.

## Seminars and Conferences

2022: Macro Finance Society Workshop (PhD poster session); Asian Finance Association Annual Conference; Asia Meeting of the Econometric Society; Annual Conference of the Money, Macro and Finance Society; AFR International Conference of Economics and Finance, Zhejiang University; Australasia Meeting of the Econometric Society; UZH Macro PhD Workshop; CFM WiP seminar, LSE.

2021: CFM WiP seminar, LSE.

## Academic Services

Session Chair: Asian Finance Association Annual Conference, 2022; Asia Meeting of the Econometric Society, 2022; MMF, 2022.

Referee: YES Workshop 2022.

## Computer Skills

STATA, R, MATLAB, Dynare, L<sup>A</sup>T<sub>E</sub>X.

## Language

Mandarin (Native), English (Fluent)

## References

**Dr. Shengxing Zhang (Supervisor)**

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**Prof. Ricardo Reis**

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