

# JINGYE WANG

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## EDUCATION

Ph.D., Economics, Boston University, Boston MA, May 2022 (expected)

Dissertation Title: *Essays on Currency Premium*

Dissertation Committee: Tarek A. Hassan, Stephen J. Terry and Andrea Vedolin

M.A., Graduate Program in Economic Development, Vanderbilt University, TN, 2016

B.A., Information Management and Systems, Peking University, Beijing, China, 2013

B.A., Economics, Peking University, Beijing, China, 2013

## FIELDS OF INTEREST

International Finance, International Macroeconomics, Asset Pricing

## WORKING PAPERS

“Currency Risk and Capital Accumulation,” September 2021. Job Market paper.

([link to paper](#))

## WORK IN PROGRESS

“A Currency Premium Puzzle” (joint with Tarek A. Hassan and Thomas M. Mertens)

## PRESENTATIONS

Macro Dissertation Workshop, Boston University, Fall 2018, Spring 2020, Fall 2021

Quesdrom School of Business Brownbag Seminar, Boston University, Fall 2021.

## FELLOWSHIPS AND AWARDS

Dean’s Fellowship, Boston University, Fall 2016 – Spring 2021

## WORK EXPERIENCE

Research Assistant for Professor Tarek A. Hassan, Summer 2020, Spring 2021

**TEACHING EXPERIENCE**

Instructor for:

Math Camp, GPED, Vanderbilt University, Summer 2015

Teaching Assistant for:

Intermediate Macroeconomic Analysis, Boston University, Spring 2021

International Macroeconomics, Boston University, Fall 2020-2018, Spring 2019

Economics of Risk and Uncertainty, Boston University, Fall 2020

Empirical Economic Analysis 1, Boston University, Spring 2020

Introduction to Economic Dynamics, Boston University, Spring 2020

Monetary and Banking Institutions, Boston University, Spring 2020

Financial Economics, Boston University, Fall 2019, Fall 2018, Fall 2017

International Finance, Boston University, Spring 2019

Economic Analysis of Legal Issues, Boston University, Spring 2019

Money and Financial Intermediations, Boston University, Fall 2018, Fall 2017

**LANGUAGES**

Chinese (Native), English (Fluent)

**COMPUTER SKILLS:**

STATA, R, C++, C, Mathematica, MATLAB, Dynare, LaTeX, Python (Basic), Julia (Basic)

**CITIZENSHIP/VISA STATUS:** Chinese/F1

**REFERENCES**

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**Professor Stephen James Terry**

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**Professor Thomas M. Mertens**

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## **Currency Risk and Capital Accumulation** (Job Market Paper)

There are large and persistent differences in capital-output ratios across countries, suggesting capital is not flowing to countries where it is relatively scarce, a phenomenon often referred to as the "Lucas Paradox". In the data, capital-output ratios vary a lot even within developed countries and they are negatively correlated with currency premia and risk-free rates. To rationalize these patterns, I build a quantitative multi-country model of capital accumulation with external habit and heterogenous exposures to a global shock. I show that currency risk induced by these heterogenous exposures, which is widely used to rationalize currency premia and risk-free rates, can generate cross-country variations in capital-output ratios that is quantitatively consistent with the data when complemented with external habit. I estimate the model using GDP data from countries issuing the G10 currencies and make two main findings: (1) the heterogenous loadings that I extract from only GDP data are highly correlated with capital-output ratios; (2) when I feed the estimated loadings to the model, model generated capital-output ratios account for roughly 55% of the cross-country variations in the data.

## **A Currency Premium Puzzle**

*(with Tarek A. Hassan and Thomas M. Mertens)*

Canonical long-run risk and habit models address the equity premium puzzle by inducing a strong, negative correlation between the variance and the mean of the stochastic discount factor. When applied to an open economy with complete markets, this key feature requires that differences in currency returns should arise primarily from predictable appreciations, a requirement that is at odds with the data. We term this tension between a high equity premium, smooth risk-free rates, and largely unpredictable exchange rates the *currency premium puzzle* and argue it is the underlying reason why existing international asset pricing models have struggled to simultaneously match data on currency returns, equity returns, and risk-free rates.