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Citizenship: Brazilian (J1 Visa – not subject to the home-country presence requirement)

Fields of Concentration:
Primary Field(s): Asset Pricing, Behavioral Finance
Secondary Field(s): International Finance

Comprehensive Examinations Completed:
2019 (Oral): Finance and Macroeconomics
2018 (Written): Macroeconomics and Microeconomics

Dissertation Title: *Essays in Behavioral Finance and Asset Pricing*

Committee:
Professor Nicholas Barberis (Chair)
Professor Stefano Giglio
Professor Zhen Huo

Expected Completion Date: May 2022

Degrees:
Ph.D., Economics, Yale University, 2022 (expected)
M.Phil., Economics, Yale University, 2020
M.A., Economics, Yale University, 2019
M.A., Economics, Graduate School of Economics (FGV), 2013
B.A., Economics, Federal University of Vicosa, 2010

Fellowships, Honors and Awards:
Whitebox Advisors Fellowship, Yale International Center for Finance - 2019
Doctoral Fellowship, Yale University - 2017-2022.
CAPES Fellowship for Master's Program in Economics - 2011-2012.

Teaching Experience:

Fall 2019, Teaching Assistant to Prof. Samuel Kortum, Introduction to Macroeconomics (Undergraduate), Yale College.

Spring 2020, Teaching Assistant to Prof. Giuseppe Moscarini, Intermediate Macroeconomics (Undergraduate), Yale College.

Spring 2020, Teaching Assistant to Prof. Michael Pascutti, Market Inefficiencies and the Limits of Arbitrage (Undergraduate), Yale College.

Fall 2020, Teaching Assistant to Prof. Aleh Tsyvinski, Introduction to Macroeconomics (Undergraduate), Yale College.

Research and Work Experience:

Summer 2021, Morgan Stanley, Quantitative Researcher (Summer Associate, Alphawise)

2013-2016, Bahia Asset Management, Macroeconomic Analyst.

Working Papers:

"The Role of Beliefs in Asset Prices: Evidence from Exchange Rates" with Kaushik Vasudevan and Tianhao Wu, (September 2021), Job Market Paper.

"Tail Risk Exposures of Hedge Funds: Evidence From Unique Brazilian Data" with Caio Almeida and Marcelo Fernandes, (June 2019), WP Series.

Work in Progress

"Macro-based Factors for the Cross-Section of Currency Returns" with Leland Bybee and Leandro Gomes, (September 2021).

Seminar and Conference Presentations:

North American Summer Meeting of the Econometric Society, Philadelphia (June 2016)

Languages:

Portuguese (native), English (fluent), Spanish (beginner).

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References:

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Dissertation Abstract

The Role of Beliefs in Asset Prices: Evidence from Exchange Rates, with Kaushik Vasudevan and Tianhao Wu **[Job Market Paper]**

A long-standing challenge in the asset pricing literature is to understand why asset prices sometimes underreact and sometimes overreact to news. We seek to address this challenge in the context of currency markets. We construct a model of exchange rate determination disciplined by survey data, where short-lived investors each (1) receive noisy private signals about the future path of interest rate differentials between the US and other countries and (2) overestimate the persistence of interest rate differentials. The model is able to qualitatively and quantitatively match patterns of underreaction and overreaction of exchange rates in response to news. The model also matches the failure of uncovered interest rate parity (UIP), capturing the return predictability of interest rate differentials for the returns to borrowing in USD and lending in foreign currency, as well as the fact that this return predictability is declining in the maturity of bonds used to borrow and lend. Finally, we use the model to help understand the reversal of the failure of UIP in recent years, the role of higher-order uncertainty, and the persistence of subjective beliefs. Our results highlight the important role that investors' beliefs may play in asset price behavior.

Macro-based Factors for the Cross-Section of Currency Returns, with Leland Bybee and Leandro Gomes

The last essay proposes a conditional factor model for currency returns where the risk exposure evolves with the country's macroeconomic environment. We use Instrumented Principal Component Analysis (IPCA) to estimate the common risk structure of currencies and disentangle which macro characteristics are relevant for the cross-section of currency returns. The model is successful in explaining both realized variation in returns and differences in average returns across currencies. Estimated risk factors are correlated with the Dollar and Carry factors, but they still bring new information to the description of common risks. Interest rate level, the importance of the U.S. on a country's trade, GDP per capita, and commodities' share on exports are the most relevant macro variables for explaining the loadings of currencies on these risk factors.