Discussion of

Corporate Debt Structure with Home and International Currency Bias by Maggiori, Neiman, and Schreger

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Two facts using data from Maggiori, Neiman and Schreger (2020 JPE):

- 1. Investors tend to lend either in their own currency or in one of two international currencies (USD/EUR).
- 2. When firms issue debt, they begin with issuing in their own currency. The largest issuers then pivot to the USD/EUR.

Interpret these facts using a Melitz-Style model, where (i) each firm faces downward sloping demand for its debt in a given currency (ii) firms can pay a fixed cost to borrow in multiple currencies.

- 1. Only most productive/largest firms borrow in multiple currencies.
- 2. These large firms have a lower (average) cost of capital.
- 3. Lower (average) cost of capital for firms headquartered in a country that issues the international currency.
- ⇒ Another *kind* of exorbitant privilege, particularly for small and medium-sized firms based in the US (who would otherwise not be productive enough to borrow internationally)

Comments

- Part of a broader and very successful "Global Capital Allocation Project."
- Project provides data on asset holdings (demand), security-level data on bond holdings by mutual funds around the world – "home currency bias".
- This paper takes an important step to start thinking about effects on allocations:
 - Lower cost of capital by issuing in multiple currencies
 - Lower cost of capital for US firms.
 - "Quantity" exorbitant privilege.
- Put this in the broader context of how FX and currencies interact with capital accumulation.

FX and Capital Accumulation

Firm should install just enough capital for its expected marginal product of capital to equal the required rate of return to capital:

$$\mathbb{E}\left(MPK_{i,c}\right) = r_c^f + RP_{i,c}$$

- 1. **Currency risk** literature: safer currencies have lower risk-free rates. r_c^f vary across countries and depend on FX regime. Lustig & al. 2011; Hassan 2013; Ready & al. 2017; Richmond 2019; ...
- \Rightarrow Firms in countries with safer currencies accumulate more capital.

UIP Violations and Firms' Borrowing Costs (Richers, 2020)

▶ UIP violations pass through 1:1 to local firms' borrowing costs.



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- ▶ UIP violations pass through 1:1 to local firms' borrowing costs.
- CIP violations and sovereign default premia do not.

	$y_{i,t}^{j,d} - r_t^{\$,d}$		
	(1)	(2)	(3)
$r_t^{j,d} - r_t^{\$,d}$	1.091*** (0.102)	0.917*** (0.017)	0.918*** (0.015)
CDS Differential	0.125 (0.130)		
CIP violation			0.036 (0.056)
N R ²	16,918 0.66	13,728 0.89	24,255 0.88
Maturity-Year FE	Y	Y	Y
Sector-Year FE	Y	Y	Y
Controls: Firm Characteristics	Y		
Firm-Month FE		Y	Y

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Currency Risk and Capital Allocation



We observe this strong negative relationship between capital accumulation and currency excess returns in the data at an aggregate level.

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$$\mathbb{E}(MPK_{i,c}) = r_{w,i}^f + RP_{i,c}$$
 for large firms

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- \Rightarrow Firms in countries with safer currencies accumulate more capital.
- 2. This paper:
 - Ability to issue in USD/EUR lowers cost of capital.
 - An extra "quantity" exorbitant privilege for US and EU firms.

Advantage from Foreign Borrowing (Richers, 2020)

- Firms in countries with lower interest rates have lower ROA.
- Firms that issue internationally have lower ROA.

	$\overline{ROA}_{i,t+5}$		
	(1)	(2)	(3)
$r_t^j - r_t^\$$	0.570*** (0.100)	0.520*** (0.073)	0.527*** (0.085)
$(r_t^j - r_t^\$) \! \cdot \mathbb{I}_{i,t}^{\text{Foreign Issuer}}$	-0.343* (0.173)	-0.310* (0.163)	-0.305* (0.155)
$I_{i,t}^{\rm Foreign\ Issuer}$			-0.16 (0.377)
N R ² Firm-level Controls Sector-Year FE	8,740 0.24 Y	7,910 0.27 Y Y	7,910 0.27 Y Y

Conclusion

► Great paper.

- ▶ Important agenda: link between FX and capital accumulation.
- Lower cost of capital for firms in high interest rate currencies that are able to issue internationally.

Read the paper!