# Understanding the Strength of the Dollar

By Jiang, Richmond and Zhang

Discussant:





# Roadmap of the Discussion

- 0 What is wrong in many models
- 0 What I learned from this paper
- 0 Conclusion

• Colacito-Croce & Associates (2011-2022):

Complete markets + EZ preferences + News shocks =
 o solution to many puzzles in Intl Macro Finance
 o FX is no longer so obscure

Colacito-Croce & Associates (2011—2022):
 Complete markets + EZ preferences + News shocks =
 solution to many puzzles in Intl Macro Finance
 FX is no longer so obscure

 $\circ$  Open question: implied international portfolio positions?

• Colacito-Croce & Associates (2011-2022):

Complete markets + EZ preferences + News shocks =
 o solution to many puzzles in Intl Macro Finance
 o FX is no longer so obscure

Open question: implied international portfolio positions?
NFA is OK (JoF 2013, JoF 2018 & AER 2018)

• Colacito-Croce & Associates (2011-2022):

Complete markets + EZ preferences + News shocks =
 o solution to many puzzles in Intl Macro Finance
 o FX is no longer so obscure

Open question: implied international portfolio positions?
NFA is OK (JoF 2013, JoF 2018 & AER 2018)
Composition of NFA: more *extreme* than in the data

• Colacito-Croce & Associates (2011-2022):

Complete markets + EZ preferences + News shocks =
 o solution to many puzzles in Intl Macro Finance
 o FX is no longer so obscure

Open question: implied international portfolio positions?
NFA is OK (JoF 2013, JoF 2018 & AER 2018)
Composition of NFA: more *extreme* than in the data

How to get good counterfactuals for international flows and FX?
 Option I: add financial frictions / intermediaries

• Colacito-Croce & Associates (2011-2022):

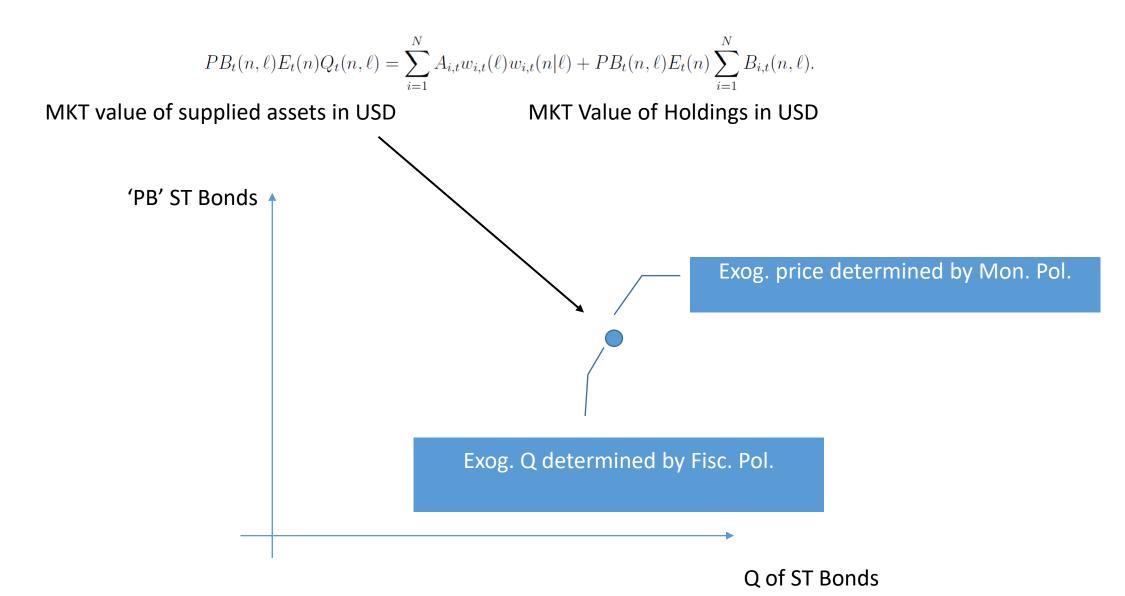
Complete markets + EZ preferences + News shocks =
o solution to many puzzles in Intl Macro Finance
o FX is no longer so obscure

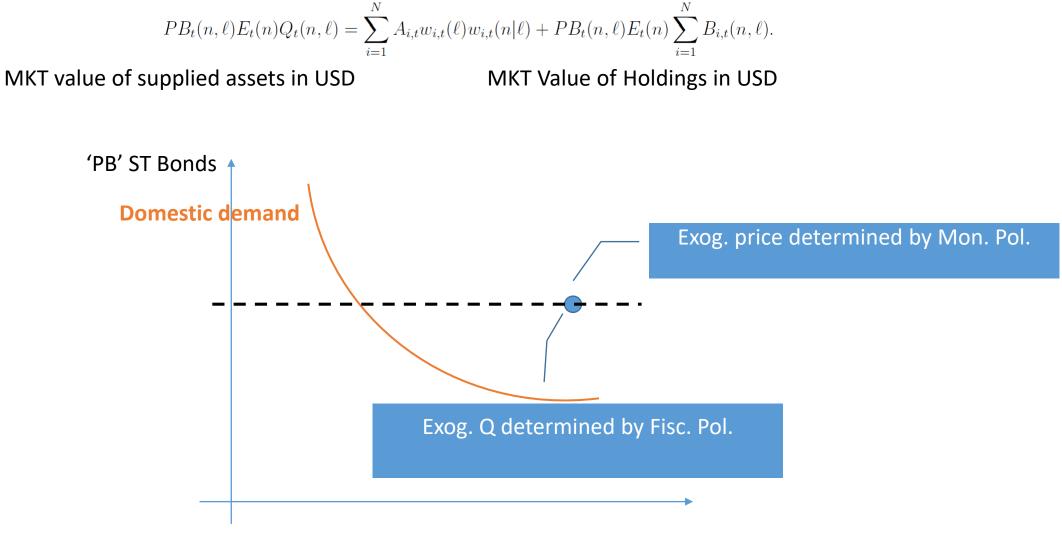
Open question: implied international portfolio positions?
NFA is OK (JoF 2013, JoF 2018 & AER 2018)
Composition of NFA: more *extreme* than in the data

How to get good counterfactuals for international flows and FX?
 Option I: add financial frictions / intermediaries
 Option II: this paper!

$$PB_t(n,\ell)E_t(n)Q_t(n,\ell) = \sum_{i=1}^N A_{i,t}w_{i,t}(\ell)w_{i,t}(n|\ell) + PB_t(n,\ell)E_t(n)\sum_{i=1}^N B_{i,t}(n,\ell).$$

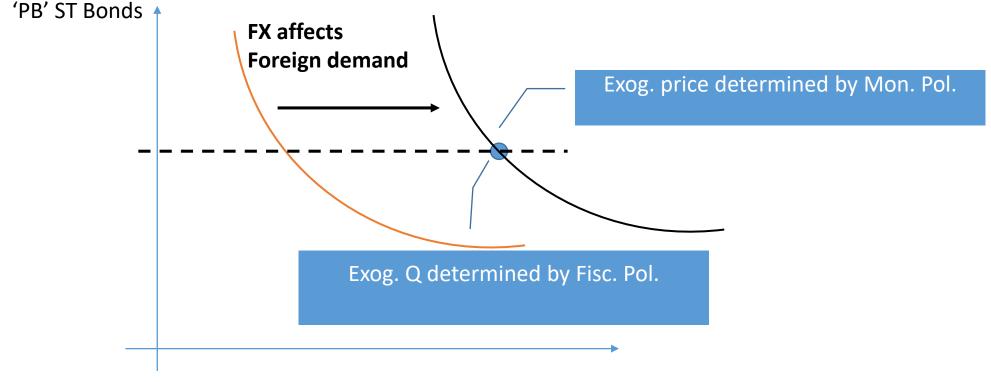
MKT value of supplied assets in USD MKT Value of Holdings in USD





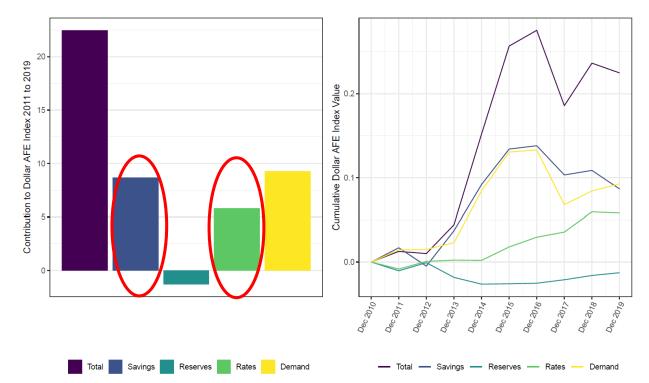
Q of ST Bonds

$$PB_{t}(n,\ell)E_{t}(n)Q_{t}(n,\ell) = \sum_{i=1}^{N} A_{i,t}w_{i,t}(\ell)w_{i,t}(n|\ell) + PB_{t}(n,\ell)E_{t}(n)\sum_{i=1}^{N} B_{i,t}(n,\ell).$$
  
MKT value of supplied assets in USD MKT Value of Holdings in USD



Q of ST Bonds

## Rates & Saving Capacity Matter!

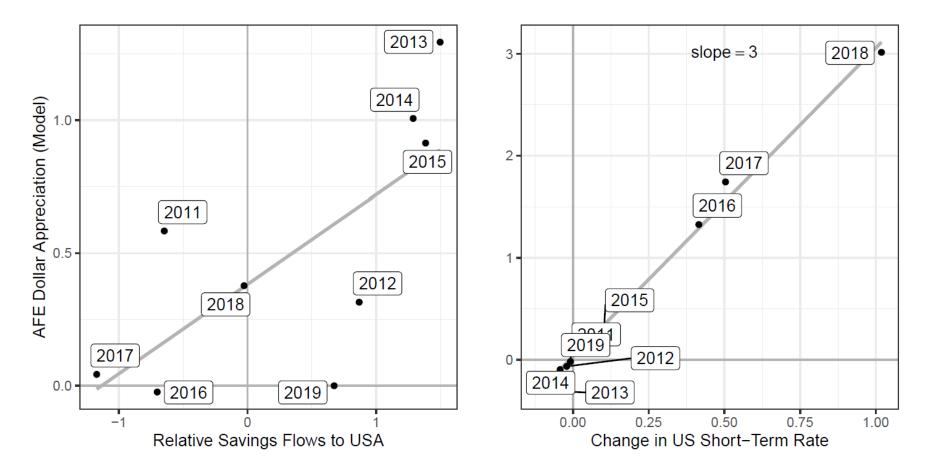


TREND DECOMPOSITION OF DOLLAR AFE INDEX

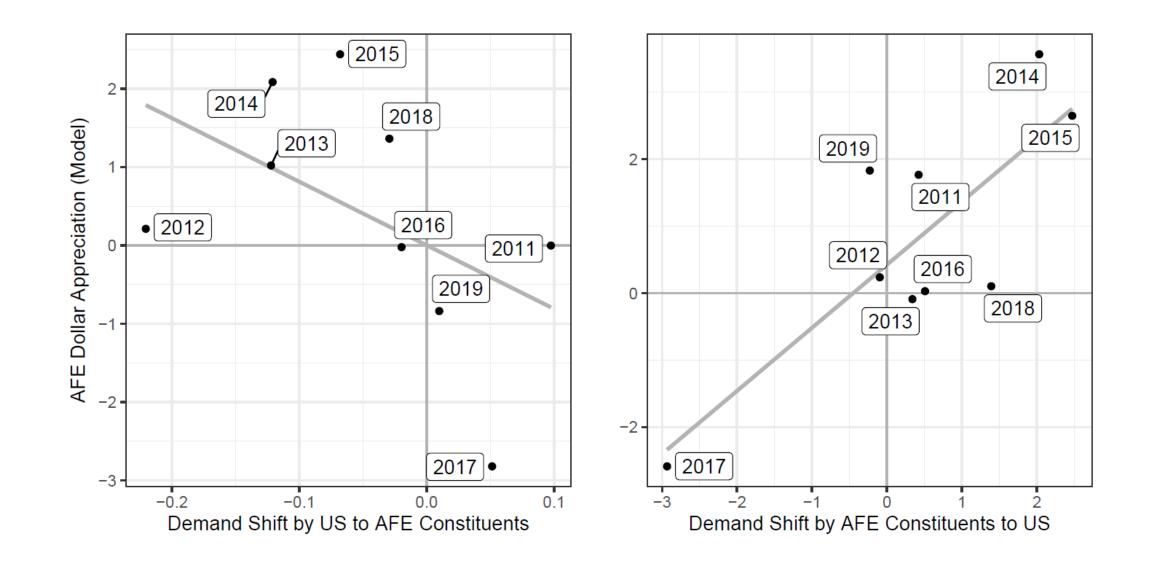
This figure presents the share of the dollar AFE index appreciation explained by each block of economic primitives. The left panel presents the decomposition of the cumulative change in the total dollar AFE index appreciation from 2011 to 2019. The right panel presents the time-series of the cumulative contribution of each block of variables to the dollar AFE index.

### Rates & Saving Capacity Matter (II)





### Demand Shocks Matter as Well...



### Demand Shocks Matter as Well... (II)

• In DSGE models, 'demand shocks' are a reflections of:

0 *Heterogeneous* exposure to global components

*Country-specific* shocks to:
Marginal utility (demand side)
Production frontiers (supply side).

## Demand Shocks Matter as Well... (II)

• In DSGE models, 'demand shocks' are a reflections of:

0 *Heterogeneous* exposure to global components

*Country-specific* shocks to:
Marginal utility (demand side)
Production frontiers (supply side).

Can the authors say something about the deep origins of this demand shift toward the USD?
 Is 'desirability' related to forward looking variables?
 (consumer sentiment/expectation indices/new orders/leading indicators)

0 Post-2014, the US has been consistently expected to perform better (growth) than other DM.

• Is there a link with **global** uncertainty measures?

### To Conclude

0 I learned a lot, **Superb Paper**:

- 0 Well written
- 0 Well executed