Natural and Neutral Real Interest Rates: Past and Future by Maury Obstfeld

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 - Capital flows and financial conditions affect real rates but monetary policy only focuses on short-run equilibrium in the goods market
- 4. Future prediction: Back to low real rates since main drivers have not changed
 - Demography favoring high savings, low investment
 - Low productivity growth
 - Corporate market power
 - Safe asset demand

- Blanchard-Summers'84: High real rates
- <u>Summers'15:</u> Low real rates—Secular Stagnation
- Blanchard'23, IMF'23, Eggertson'23: Go back to secular stagnation
- <u>Summers'23:</u> No more secular stagnation
- Rogoff-Rossi-Schmekzing'22: \downarrow since early 14th century; all of the above are blips

<u>Obstfeld</u>: Past data can help but future prediction is risky since shocks change; structural drivers and shocks can interact with long transitional dynamics

Drivers of the decline across time

<u>Measured Real Rate:</u> r = real risk free rate + real risk premium

Natural Rate: $\bar{r} = \text{long-run S-I}$ equilibrium real rate with no rigidity

Neutral Rate: r*= real rate at potential output, Y*-no inflation/deflation

 $\bar{r} = r^*$ only under monetary policy neutrality

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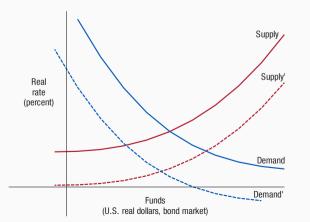
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- Directly observable real rates: yields on inflation-indexed bonds (better proxy for safe rate)
- <u>Approximate real rates</u>: Nominal rates inflation expectations (might also have risk premia)—short vs long rates

 \Rightarrow The paper provides an extensive array of data on measured rates

Framework: Saving and Investment—Loanable Funds Market w/Shifts in Demand and Supply for Funds



1. Closed Economy

- Investment \downarrow via low price of K—Summers view
- Too low policy rates for too long for AEs—BIS view
- 2. Open economy—Savings/financial crises based
 - Saving glut, China, demographics—Bernanke view
 - Deleveraging after financial crises (global debt cycles)—Reinhart-Rogoff view
 - Savings increase + financial crisis leading fluctuations in wealth— Gourinchas-Rey-Sauzet view
- 3. US-centric: Other Government Savings/Safe US Assets—Caballero-Farhi-Gourinchas; Gorton-Metrick; Krishnamurthy and Vissing-Jorgensen

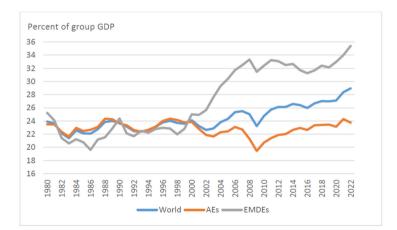
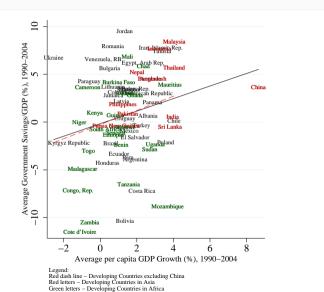
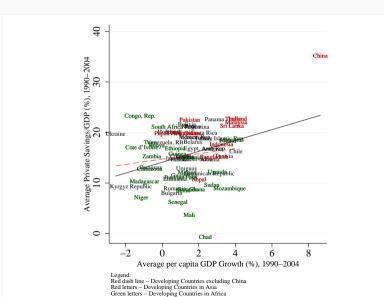


Figure 11: Gross saving according to country group

Role of Public Savings—Alfaro, Kalemli-Ozcan, Volosovych, 2014 JEEA



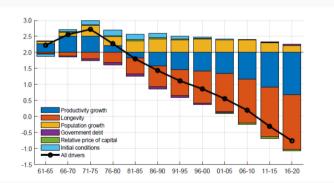
No Role for EM Private Saving



- 1. $\frac{\text{Mid-1990s}-\text{early-2000s:}}{(\text{private S})} \text{ Global S} > \text{Global I: China (government S), baby-boomers in AE}$
- 2. Early-2000s—late-2000s: Easy monetary policy and financial conditions ⇒ not clear if global S >< global I since this is a period of widening global imbalances
- 3. <u>GFC: 2008—2018:</u> Global S > Global I: High uncertainty, debt de-leveraging (low investment/low growth), high demand for safe assets

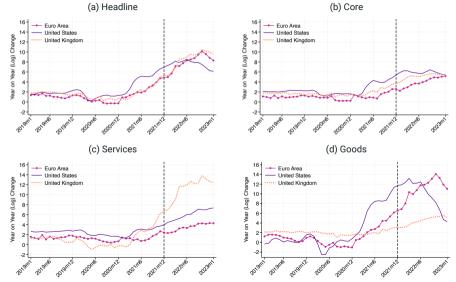
Structural: Most important drivers are demographics and productivity growth

From: Cesa-Bianchi, Harrison, Sadeji: "Drivers of Global R*"

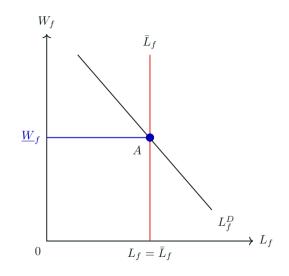


Current Inflation: Is this a Blip? Depends on Supply Shocks in a Fragmented World

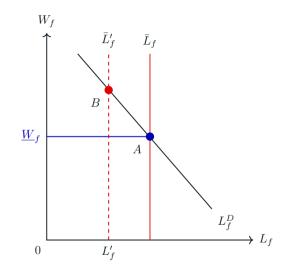
Why disinflation is slow? Why labor market is resilient? A sectoral demand-supply imbalance story



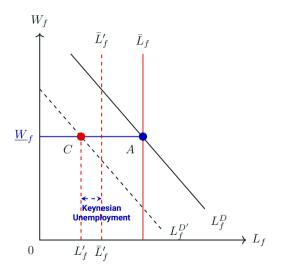
*L
_j*: Potential labor. Decrease due to workers getting sick, shutdowns, great resignation.



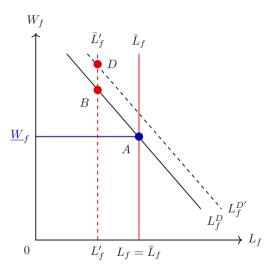
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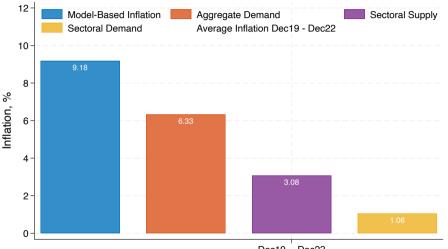
- \bar{L}_{f} : Potential labor. Decrease due to workers getting sick, shutdowns, great resignation.
- *L_f*: Equilibrium employment
 - Demand effects+downward wage rigidity ⇒ workers employed might be lower than potential
- During recovery point D: heterogeneous across sectors, may not be back to 2019, still inflationary)



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Sources of US Inflation: diGiovanni, Kalemli-Ozcan, SilvaYildirim

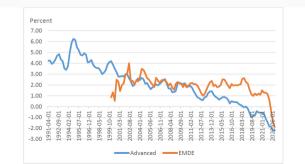


Dec19 -- Dec22

Implications for Monetary Policy

What else can we learn from EM-AE Difference? A striking figure

- Periods of better monetary policy making, credible inflation targeting, real rates coincide
- When nominal rates driven to ZLB with QE in AE, EM stayed constant, why?
 - \Rightarrow Opposing forces: capital inflows (\downarrow risky rates) and tight monetary policy (\uparrow safe rate)



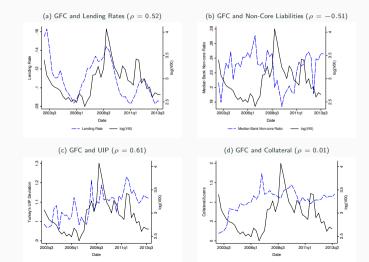
- Inflation targeting is done with nominal rates by referencing to r^*
- But credibility of inflation targeting affects r^*
- Global financial factors that are connected to policy credibility are absent from models estimating r^*
- A key issue both for AE and EM

⇒ Extensive evidence for EM; capital flows are driven by risk sentiments/policy uncertainty ⇒ r^* can go \uparrow , \downarrow depending on what monetary policy does

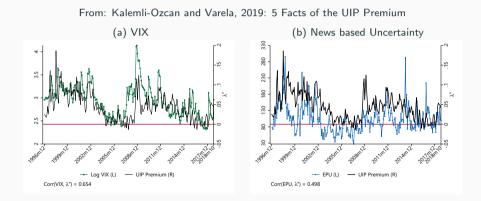
 \Rightarrow Nominal rates relate more to global factors than r^* .

Capital Flow Facts in EM: Bank intermediated, risk-sensitive

From: diGiovanni, Kalemli-Ozcan, Ulu, Baskaya, RESTUD'21: International Spillovers and Local Credit Cycles

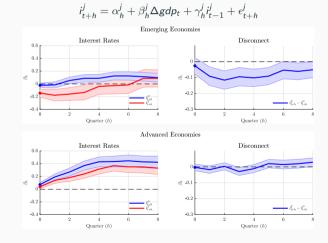


Risk premia/arbitrage deviations correlate with risk sentiment, news, uncertainty



Result is ineffective MP: A disconnect between policy and market Rates

From: De Leo, Gopinath, Kalemli-Ozcan: Monetary Policy Cyclicality in EM



Takeaways

- Great paper! Most comprehensive on this topic to-date, must read!
- Importance of global factors
- Without a change in demographics (fertility increase to counter aging) and low productivity growth combined with higher uncertainty and a possible fragmentation, low real rates are here to stay
 - \Rightarrow Difficult days ahead for monetary policy making