

Which r-star, public bonds or private investment? Measurement and policy implications

Discussion

Adrian Penalver



Disclaimer: The views expressed here are those of the presenter and are not necessarily the views of the Banque de France or the Eurosystem

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OUTLINE



Three questions:

- 1. Have central banks been mislead by using standard estimates of r*?
- 2. Is there a puzzle in real returns to private capital?
- 3. Do we have the wrong policy mix?



OUTLINE

• Very rich paper.

Three questions:

- 1. Have central banks been mislead by using standard estimates of r*? No, I don't think so
- 2. Is there a puzzle in real returns to private capital? Yes but where is it?
- 3. Do we have the wrong policy mix? Maybe



NATURAL RATE OF INTEREST

Have central banks been mislead by using standard estimates of r*?

- Practical answer:
 - · Cross-check rather than front-line indicator
 - Only 1 chart out of 120 in the Monetary Policy Book
 - Policy in practice is much closer to the spirit of Orphanides and Williams
 - But r* is easier for narrative purposes



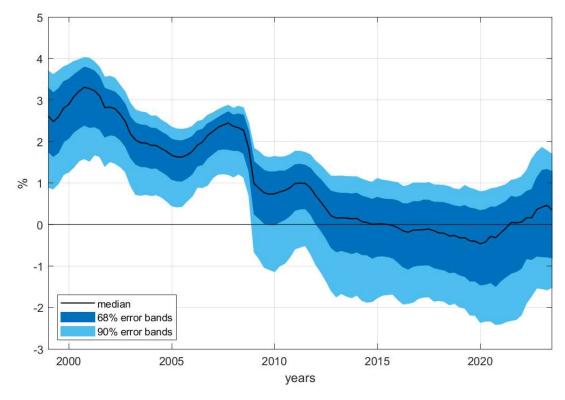
NATURAL RATE OF INTEREST

Have central banks been mislead by using standard estimates of r*?

- Technical answer:
 - Long-term sovereign bonds do not enter r* Laubach and Williams style estimates
 - Fed funds rate in the US
 - OIS for Euro Area
 - Identification of r* comes only from real GDP and inflation
 - r* is not a return on an instrument but a benchmark
 - · Model counterfactual with no non-structural shocks



ESTIMATE OF R* (REAL) IN THE EURO AREA USING BAYESIAN MODEL AVERAGING (PERCENTAGE POINTS)

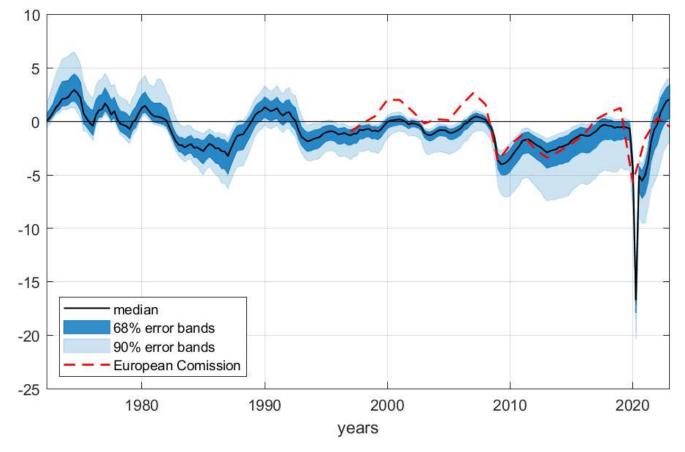


Note:. BMA-r* is the filtered estimate of the natural rate of interest in nominal terms. Weights are computed based on the posterior likelihood; see Diebold and Lopez (1996) for a review of the methodology. In order to obtain the nominal level of a neutral short-term rate, a convention is to add the ECB's 2 percentage points to the real r* estimate.

Source: Demfi calculations. Last observation: 2023.Q3



OUTPUT GAP FROM OUR BMA ESTIMATES





Sample period: 1972.Q2-2023.Q1

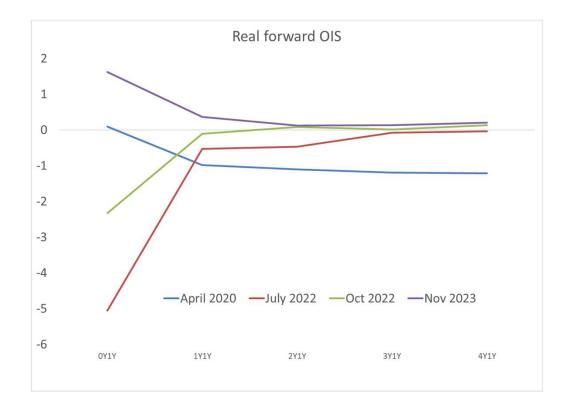


Have central banks been mislead by using standard estimates of r*?

- Policy answer:
 - Estimates of r* seem to have performed remarkably well.
 - (Much better than I would have thought.)



REAL CONVERGENCE INTEREST RATE





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Is there a puzzle in real returns to private capital?

YES

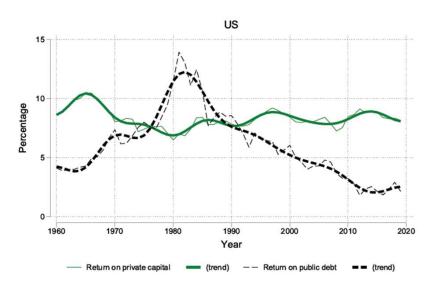
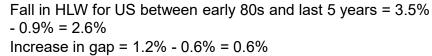


Figure 2: US returns on private capital versus government bonds



Cf Figure 15



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Is there a puzzle in real returns to private capital?

YES

CPI Rent of Primary Residence in US City

Case-Shiller US National Home Price Index

Proxy for direction of change of rental return

Similar general upward trend as P/E ratio









Is there a puzzle in real returns to private capital?

YES

- Need model/analysis which reconciles trends in market returns and stability in National Accounting returns
- Q values? ratio of market value to replacement cost
- Perpetual inventory method appropriate?
- How would National Accounting value Airbus?



Policy mix?

MAYBE

- Reducing financial frictions certainly first best
 - Completing capital markets union
 - Easier cross-border enforcement of contracts in EA
 - But what if the highest rates of return are elsewhere?
- But if this was easy to do it would have been done already
- QE in EA included corporate bonds (to try to lower m directly)
- If structural reforms are ruled out and monetary policy at the ZLB, then what?
 - Model calls for higher actual inflation relative to expected inflation
 - Inverse of the logic of forward guidance and Strategic Reviews (get expected inflation up to raise current inflation).
 - How to achieve this?
 - More fiscal policy still seems the most promising option (but difficult to readjust)



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