

Capital Flows During Covid-19 Pandemic: Insights from KF*, The Natural Level of Capital Flows

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Sectoral Capital Flows and Policy Challenges*

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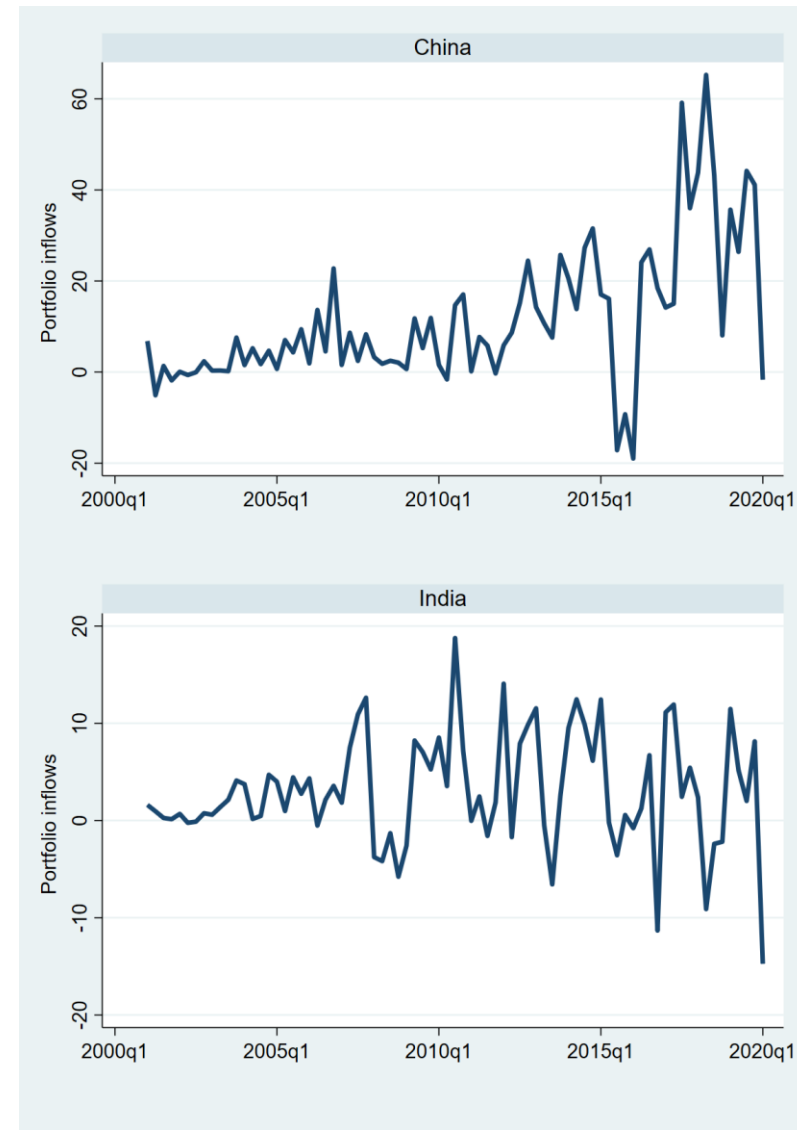
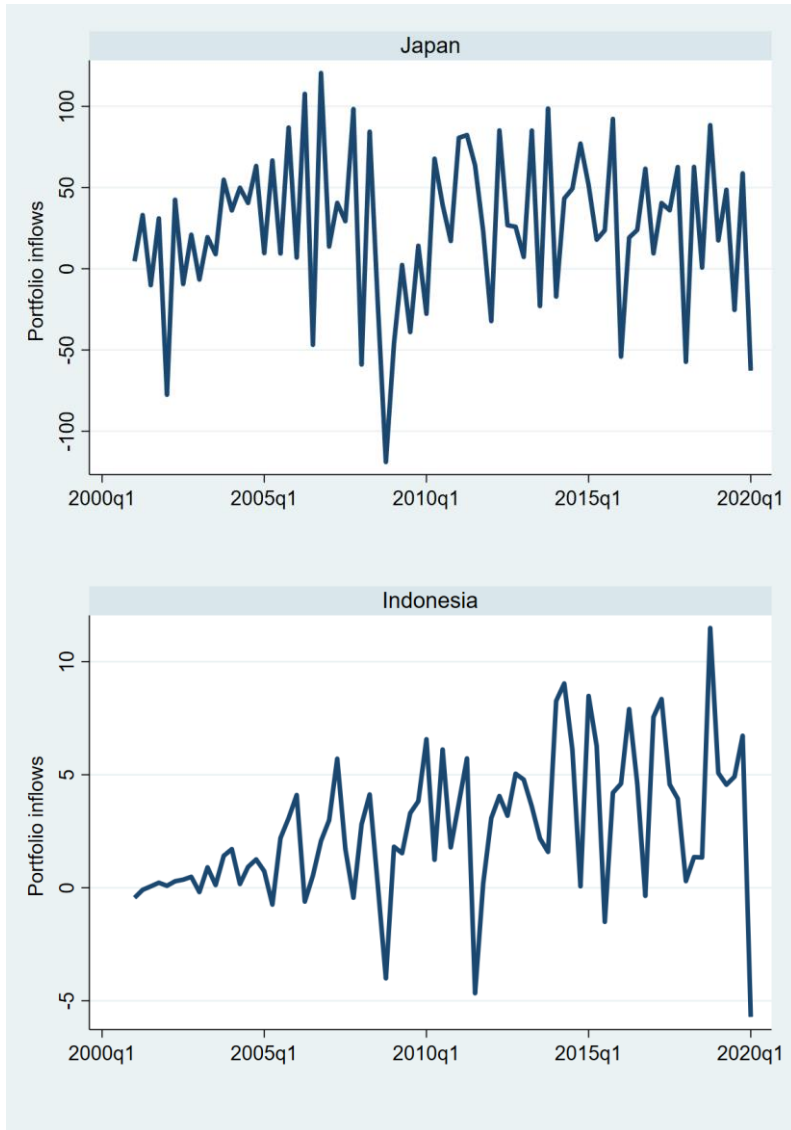
These comments are based on the following paper:

John D. Burger, Francis E. Warnock, and Veronica Cacadac Warnock, 2020. The Natural Level of Capital Flows. NBER Working Paper 26184 (updated July 2020).

To be precise, we assess the amount of portfolio (i.e., equity + bond) inflows that a country receives.

KF* is computed as current period ROW private savings times a lagged portfolio weight (5yr moving average).

CAN WE PREDICT FUTURE PORTFOLIO INFLOWS?



Quarterly,
billions of
USD

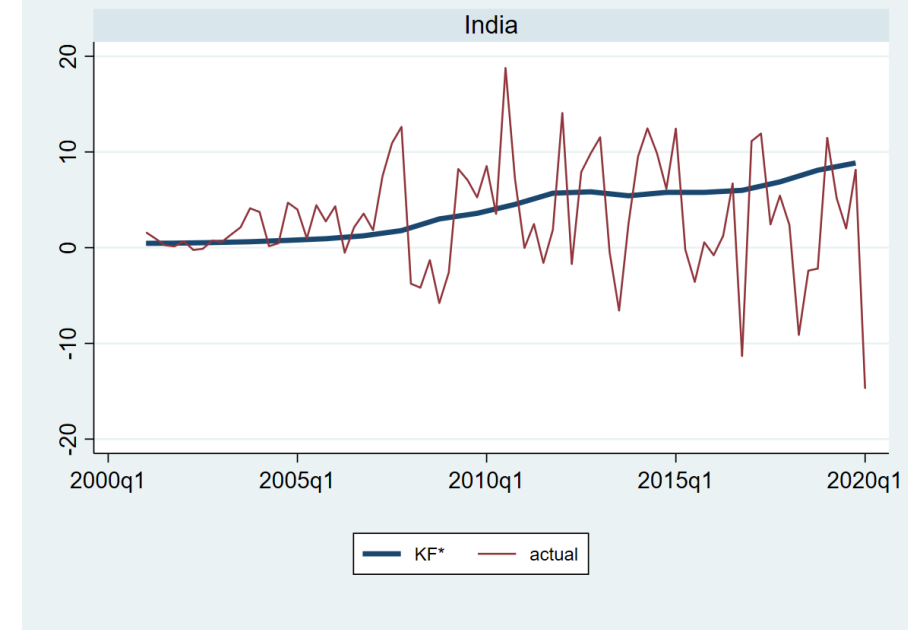
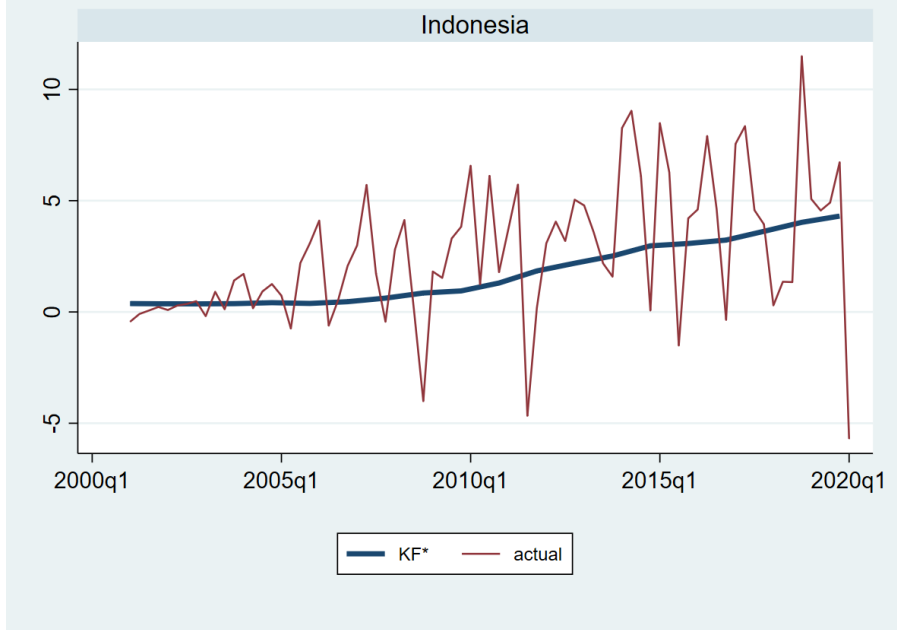
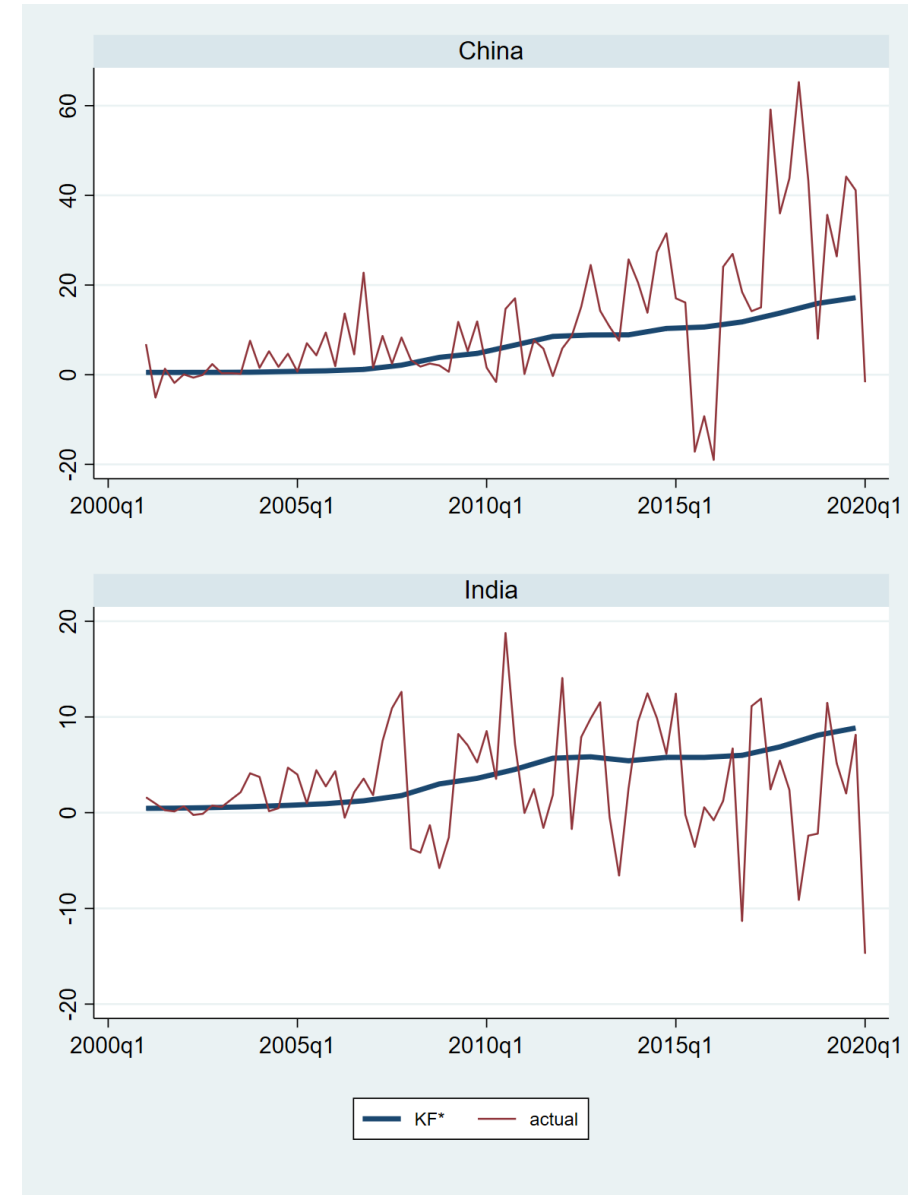
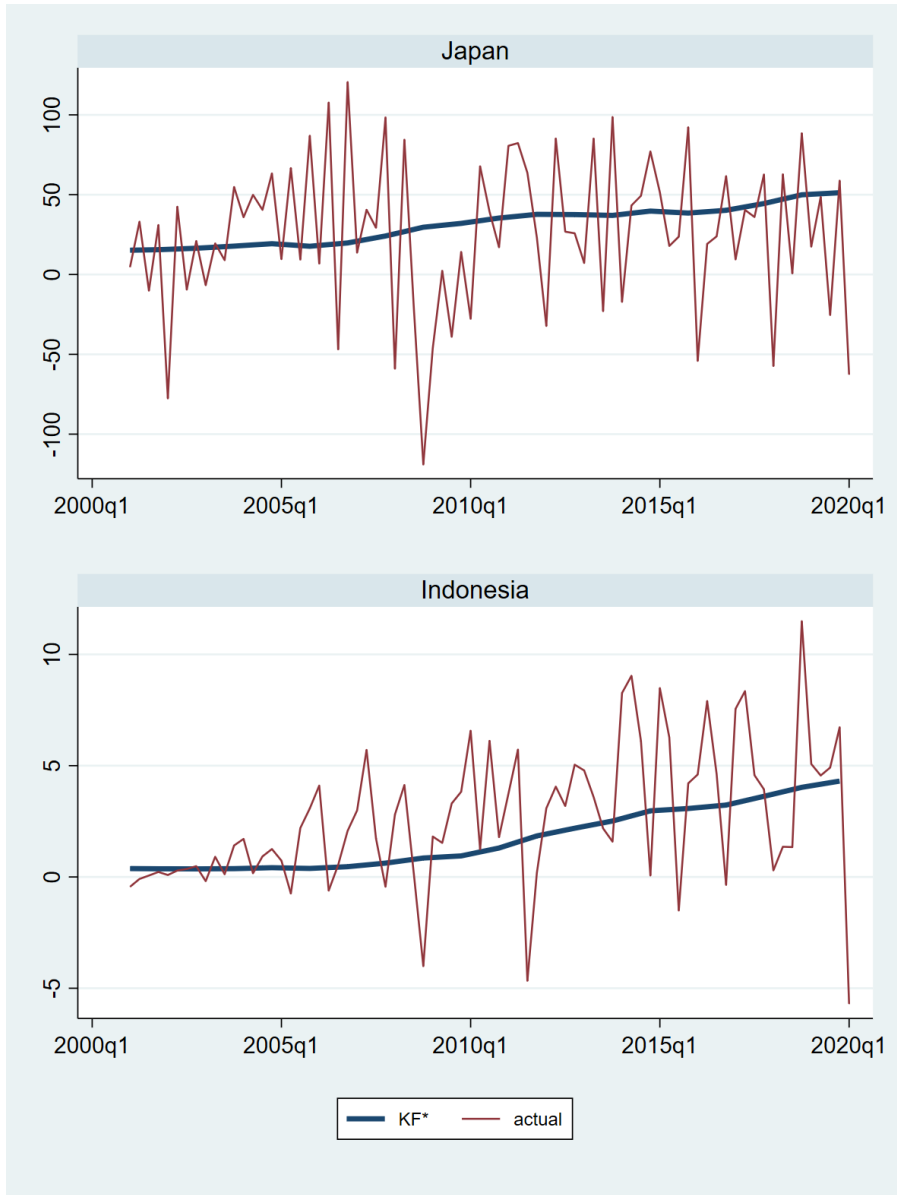


KF*, THE NATURAL LEVEL OF CAPITAL FLOWS, IS A STRONG PREDICTOR OF FUTURE FLOWS.

- Portfolio inflows oscillate around KF*.
- Deviations of actual flows from KF* are transitory.
 - Flows revert strongly to KF* over 1-2 year horizon.
 - The explanatory power of KF* is substantially greater than traditional push/pull factors.
- KF* predicts 6-quarters ahead sudden stops, as well as next year's equity returns.
- Application to crises
 - KF*, at the eve of the GFC, predicted flows during the crisis.
 - KF*, at the eve of the pandemic, suggests sharp decreases in portfolio inflows will be short-lived.



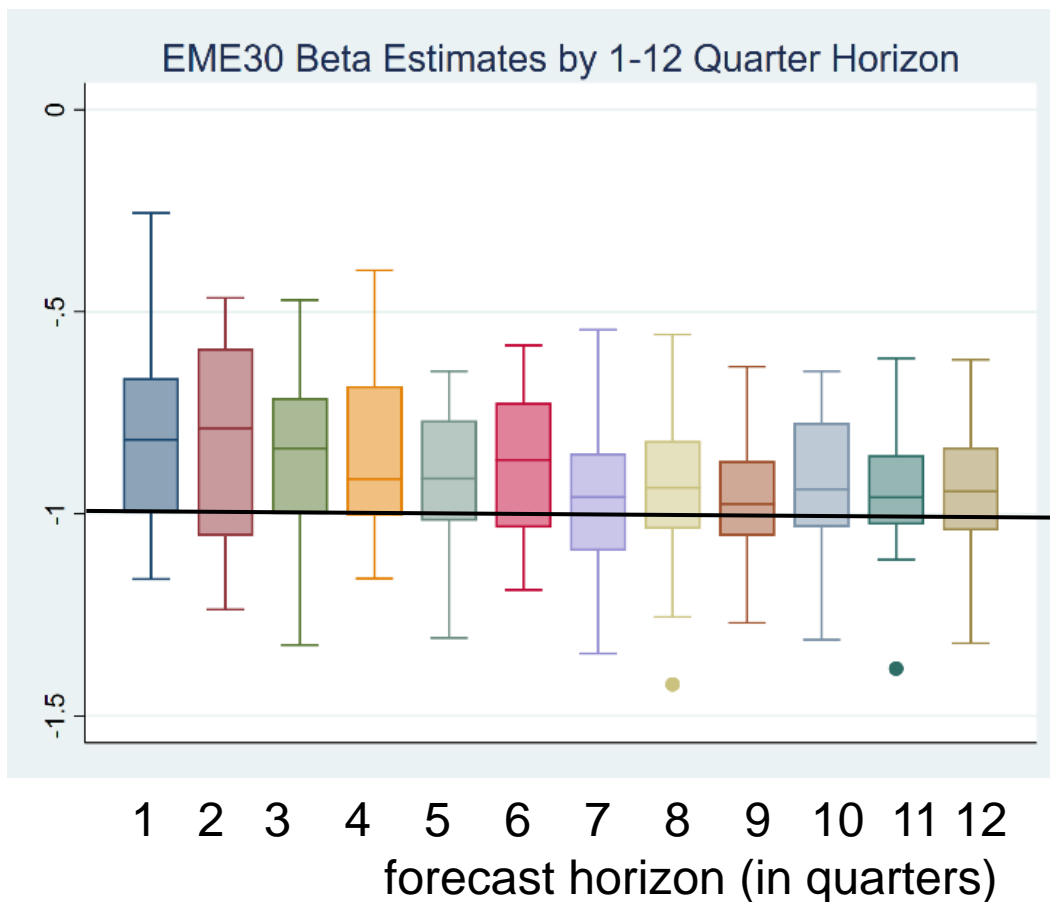
PORTFOLIO INFLOWS OSCILLATE AROUND KF*



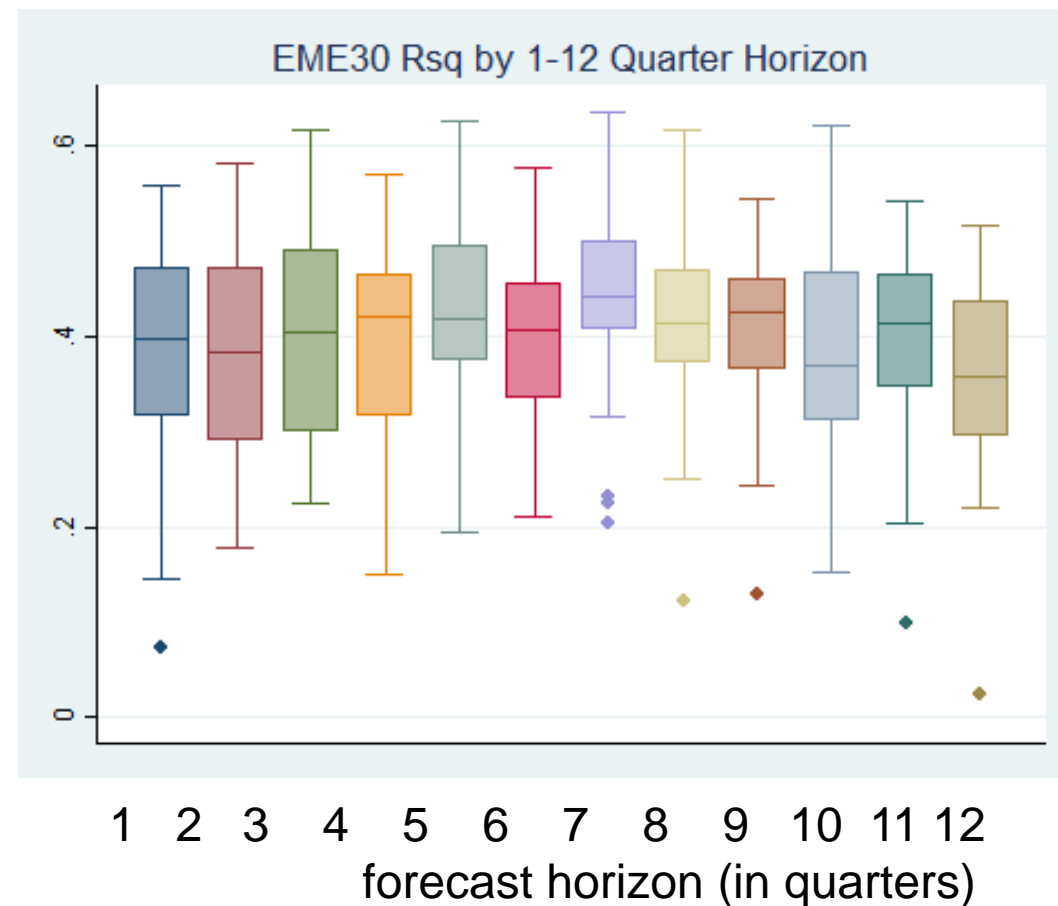
It's apparent from the graphs, and we show empirically too.



FLOWS REVERT STRONGLY TO KF^* OVER 1-2 YEAR HORIZON, AND THE EXPLANATORY POWER OF KF^* IS SUBSTANTIALLY GREATER THAN TRADITIONAL PUSH/PULL FACTORS.



Beta = -1 means flows fully adjust to KF^ in h quarters.*



R^2 of 0.15 would be considered good for push/pull factors.



KF* PREDICTS 6-QUARTERS AHEAD SUDDEN STOPS, AS WELL AS NEXT YEAR'S EQUITY RETURNS.

With these conditions

- gap between flows and KF* is large (1 stdev above its mean), and
- global growth is strong (1 stdev above its mean),

Probability of a sudden stop within 6 quarters is **38%**.

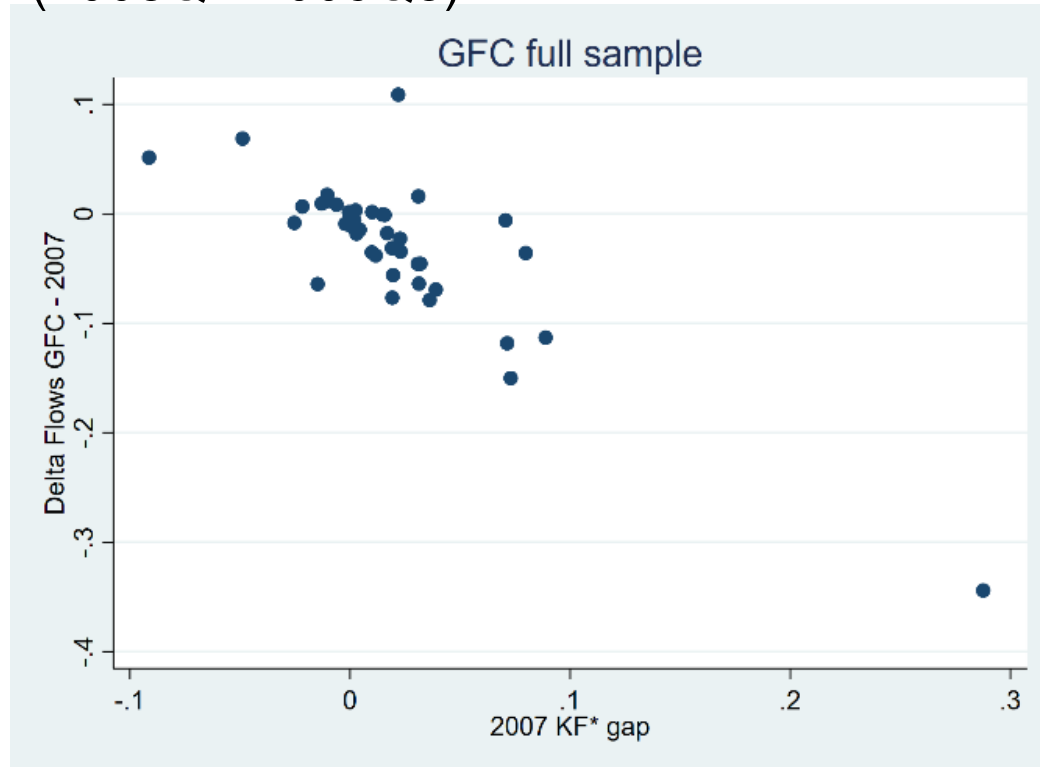
Intuition: Strong ROW global growth means KF is increasing. If actual inflows are increasing even more, high probability of a sharp decline in future flows.*

Same conditions (strong inflows relative to KF* and strong global growth) predict **13% decrease** in the country's MSCI equity returns next year.



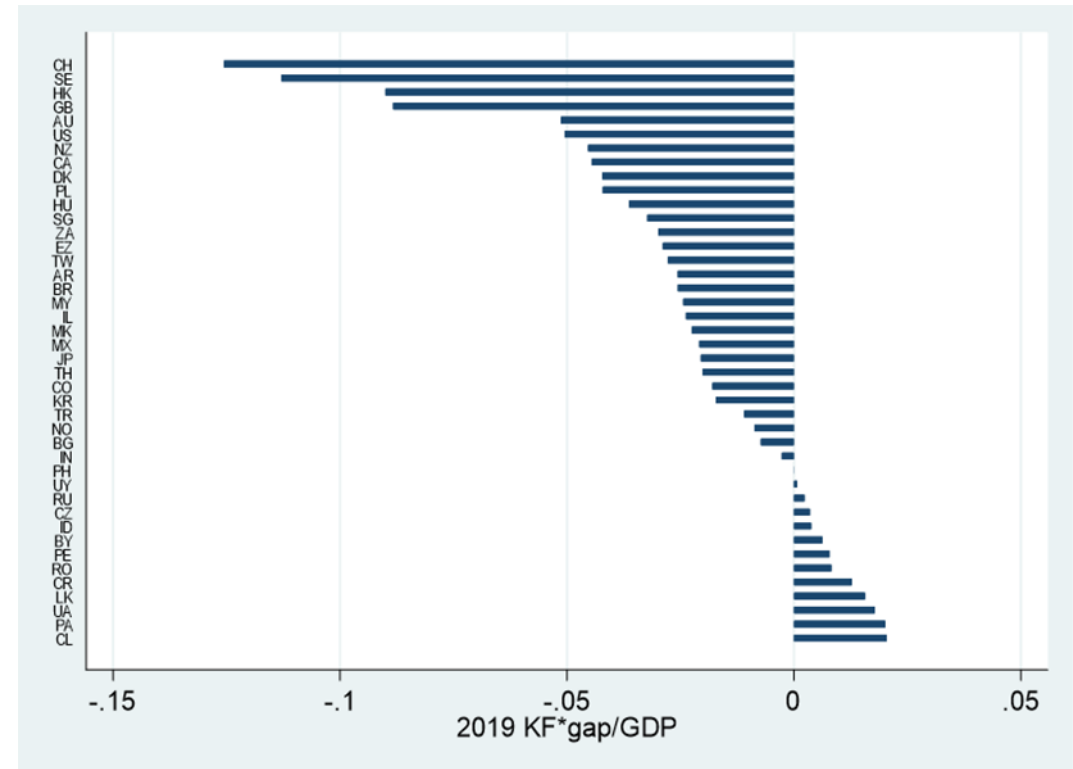
KF* DURING CRISES

Countries with a larger KF*gap/GDP in 2007 had larger declines during the GFC period (2008Q4-2009Q3).



This relationship holds strongly without the one outlier (HK), and in EMEs and nonUMPs.

At the eve of the pandemic, very few countries had positive KF* gaps.



Chile, Panama, Ukraine had the most positive KF* gaps in 2019. In Asia, most positive were Indonesia, China and Philippines (and all were just slightly positive).



KF*, THE NATURAL LEVEL OF CAPITAL FLOWS

- Portfolio inflows oscillate around KF*. Deviations of actual flows from KF* are transitory. Flows revert strongly to KF* over 1-2 year horizon, especially for EMEs and nonUMP AEs.
- KF* predicts 6-quarters ahead sudden stops, as well as next year's equity returns.
- KF*, if applied at the eve of the GFC, predicted flows during the crisis.
- KF*, applied at the eve of the pandemic, suggests sharp decreases in portfolio inflows will be short-lived, because in 2019 very few countries had flows in excess of KF*.

