

“International Capital Markets and Wealth Transfers”

**Magnus Dahlquist, Christian Heyerdahl-Larsen,
Anna Pavlova, and Julien Pénasse**

Discussion by:

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June 2, 2023

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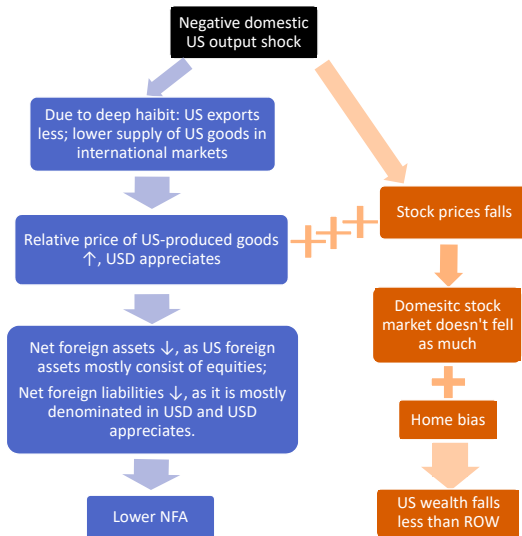
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 - ↳ Gourinchas, Rey, and Govillot (2017; GRG2017): The US carries an “exorbitant duty” to provide insurance to the rest of the world that pays off during times of global stress.

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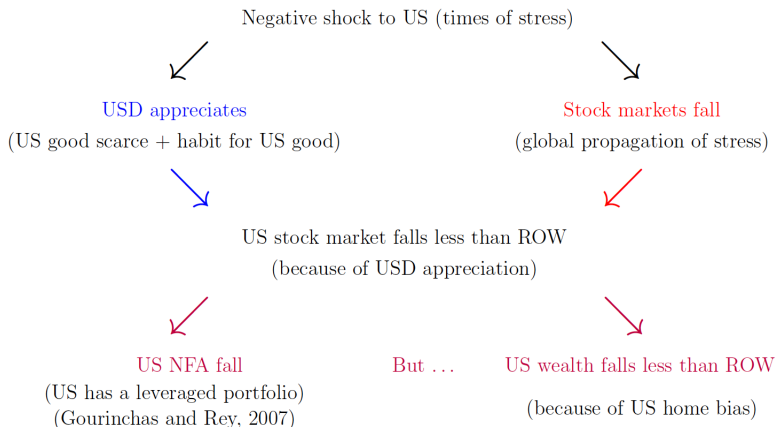
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 - ↪ Gourinchas, Rey, and Govillot (2017; GRG2017): The US carries an “exorbitant duty” to provide insurance to the rest of the world that pays off during times of global stress.
 - ↪ This paper: US wealth share increases following negative domestic output shocks, i.e., they receive a wealth transfer from the rest of the world because of USD appreciation and home biases.

Main Theory



Main Theory (or paper's version in Appendix A)



Calibration and model take-aways

- ▶ Model contains: N-countries, each producing their own good; tradable; consumption generate utility; agents have home bias and deep habits; financial assets; financial wealth (must be higher to sustain consumption levels).

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Table 5: Business cycle properties

	Unconditional moments		Recessions (relative to unconditional)	
	Data	Model	Data	Model
Mean excess return	6.28	3.05	-15.05	-15.90
Mean excess return (ROW)	5.90	3.65	-26.60	-18.10
Return volatility	14.34	14.46	8.38	9.00
Return volatility (ROW)	18.55	18.82	8.26	14.40
Mean return correlation	0.65	0.84	0.18	0.08
Mean price-dividend ratio	42.62	61.38	-18.47	-25.47
Mean price-dividend ratio (ROW)	33.89	60.54	-18.50	-24.57
Mean real exchange rate	100.00	100.00	-15.81	-2.16
Exchange rate volatility	9.17	12.31	2.73	9.10
NFA/GDP	-9.09	70.00	-11.43	-40.10
NX/GDP	-1.56	-1.60	4.38	0.90
Wealth share	43.65	10.25	7.57	0.61
GDP share	41.23	10.03	1.39	0.95
Consumption share	44.88	10.03	0.29	0.88

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Headline summary 📌: This paper argues against the “exorbitant duty” by GRG2017, and resolves the “reserve currency paradox” of Maggiori2017 — The direction of wealth transfer in bad times is **to the US**, not from the US, and this can be rationalized in a model with home-based and deep-habit US agent, that also jointly produces a decreasing NFA.

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(To be rigorous: Figure demonstrates son guku's evolution)

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 1. Address other channels
 2. Implications for future empirical work

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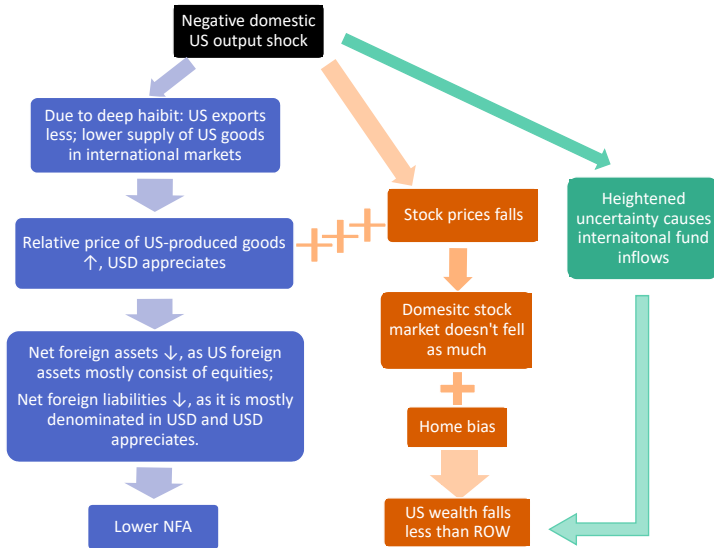
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 - ↪ Doesn't require home bias to generate the facts
 - ↪ Potentially a more direct, more observable channel (i.e., risk-driven flow channel)
 - ↪ This channel is not in the model (which is fine), but it might exist in data.



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recession dates. We show that the model reproduces the facts that in times of stress: (i) the USD appreciates; (ii) the US stock market falls less than foreign stock markets; (iii) the US NFA fall; and yet (iv) the wealth of the US relative to the rest of the world increases.

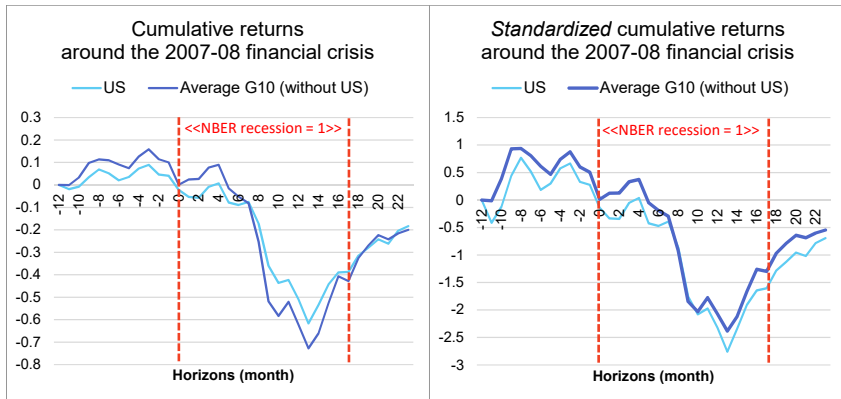
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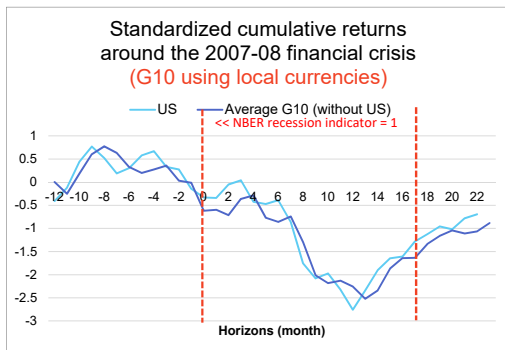
Suggestion: It would be great to show some empirical evidence for (ii) – which is likely at the core of the home-bias channel. {And I did some work... (next page)}

Case study: G10 vs US stock returns during 2007-08

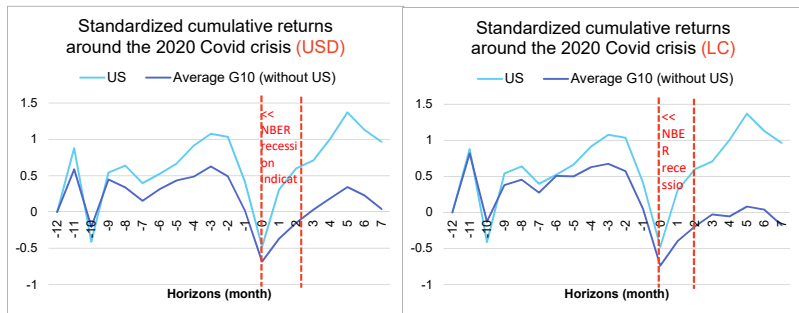


- ▶ What I am doing here: Left – cumulative returns from -12 month to [-12 month, 23 months], with event=0 being December 2007; right – standardized cumulative returns. Returns are calculated from MSCI USD-denominated total return index. US vs. G10 (minus US).
- ▶ **Suggestion:** Empirically, whether US stock market indeed fell less than G10 is worth investigating.

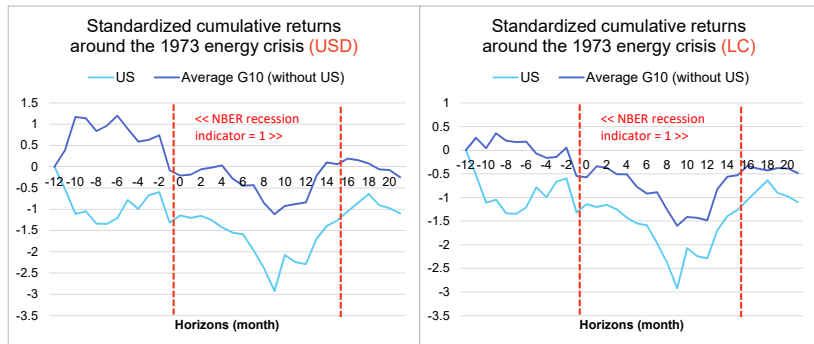
Case study: Under local currencies



Case study: The 2020 covid crisis



Case study: The 1973 energy crisis



(Happy to share data behind these plots!)

Conclusion

▶ **Highly recommend!**

▶ **My comments:**

1. Perhaps there is a risk-driven quantity channel that the paper can address;
2. Several empirical links to think about :)

Thank You!

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