## Sticky Expectations and Consumption Dynamics

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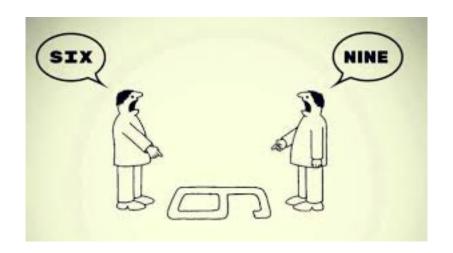
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### Usual disclaimer applies

The views expressed are those of the author and do not necessarily represent the official views of Eesti Pank, the European Central Bank or the Eurosystem.

### Short summary



### Long summary

### Conflicting findings

- macro finds high habit persistence
- micro finds little excess smoothness

Can we explain the possible difference by inattention to macro?

Yes as macroeconomic shocks go unnoticed

### Model can successfully show

- no persistence at household level
- strong persistence at macro level
- little cost of inattention

### Contribution

### Reconcile

micro and macro evidence on smoothness

Application of heterogeneous agent (HA) DSGE

push the boundaries what is done

### Model

CRRA utility, households decides consumption and savings, **no habits!** 

### Income risk

- idiosyncratic: permanent and transitory (big)
- idiosyncratic unemployment spells of 1 quarter
- aggregate: permanent and transitory (small)

Information about aggregate states arrives with Calvo

Generate time-series and estimate micro and macro regressions

### Thumbs up

- an interesting puzzle
- ► HA-DSGE with a meaning for macro
- running regressions on model generated data
- well documented and written, many details covered
- code in Github

Comments from a representative agent macroeconomist with a habit:)

# HABIT

Why we do what we do and how to change



CHARLES DUHIGG

### Is low persistence in micro data a (new) puzzle?

- psychologists claim that we have many habits
- consumption in housing and cars is very hard to change fast

### Your households are super smart but read newspapers once a year!

If you have macro persistence you should see it in micro too (just hard to estimate)

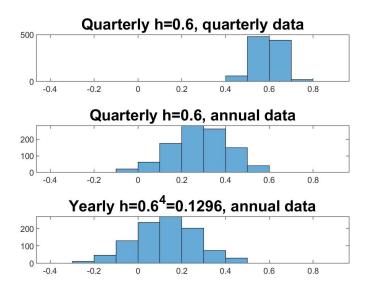
### Is the stylized fact so clear?

Select the best estimates in the literature!

Evidence you show might not be inconsistent

- macro often finds (0.5,0.8)
- quarterly habit of 0.6 translates to a year later 0.6<sup>4</sup> = 0.1296
- ▶ not inconsistent with Dynan (2000) conf. int. (-0.21,0.15(1.39)) for yearly data

### Small simulation



### Do people care about macro news?

### Explain how macro inattention works

- do they know their budget constraint?
- people know whether unemployment level is high or low
- be kinder to learning literature

### Macro shocks do not hit everybody the same way

- some get unemployed, some get wage cuts
- rich and poor
- timing matters
- social safety in good and bad times

### Need heterogeneous agent models!

### Lessons for macro?

Macroeconomic shocks are not important?

### Macroeconomists can continue as usual?

- habits at macro level are well and alive?
- what are welfare conclusions of inattention compared to habits?
- is your evidence against any type of habits and habit persistence? (only one way of estimating in the paper)

### Summary

### A real pleasure

- beautiful issue
- bring micro- and macroeconomists in the same room
- nice example how we can misunderstand the data

### Thank you for the paper!