

Discussion of

Kaplan, Moll and Violante:

Unconventional Monetary Policy in HANK

Workshop on Current Monetary Policy Challenges

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The views expressed are mine
and do not necessarily reflect those of the ECB.

Key Contribution

- ▶ Analyze effects of **forward guidance** in Het Agent New Keynesian framework
- ▶ **Announcement of future IR cut has smaller effect on current C than contemporaneous cut**
- ▶ Similar to McKay, Nakamura & Steinsson,
BUT **very different from Rep Agent NK and DSGE**
- ▶ In HANK, **indirect effects of FG dominate direct effects**, like for standard MP

Heterogeneous Agent New Keynesian Framework

- ▶ Realistic household heterogeneity in income and liquid + illiquid assets
⇒ Precautionary saving, realistic MPC
- ▶ Combined with sticky prices (due to nominal rigidities & adjustment costs)

Monetary Policy in HANK

- ▶ Direct response to r (intertemp substitution) makes up roughly $1/3$, while indirect GE effects through Y , W roughly $2/3$ of total response
- ▶ ie Direct: 30%, indirect: 70%
- ▶ MP in HANK less powerful, has to rely on indirect channels (eg through fiscal pol)

RANK/DSGE

- ▶ In contrast, in RANK/DSGE:
Direct: 95%, indirect: 5%
- ▶ RANK/DSGE at odds with large micro evidence on C behavior (small response of C to r , large MPC of trans shocks, MPC heterogeneity, ...)

Forward Guidance (FG) in HANK

Results

- ▶ Current impact of FG lower than in RANK/DSGE
- ▶ Indirect channel only works when r actually lower, not at announcement, because fiscal stimulus only happens in future

Comments

- ▶ What if fiscal stimulus at announcement?
- ▶ Fiscal policy can be targeted to high-MPC households

Comments on HANK—Convex Adjustment Costs

- ▶ Elegant continuous time setup
- ▶ Convex, quite large adjustment costs on illiquid assets prevent jumps in assets
- ▶ Allowing for jumps eg in cars, housing could matter for MPC (indirect effect)
- ▶ Eg large response of car sales to tax rebates (Parker et al., AER2013)

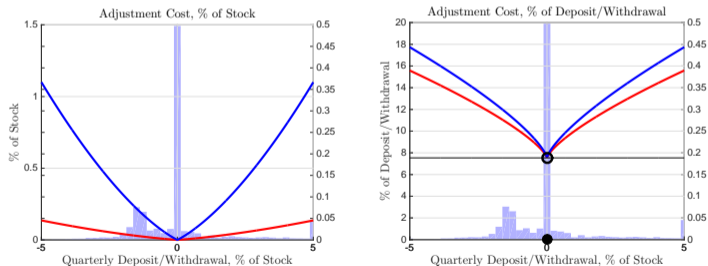


Figure D.4: Calibrated Adjustment Cost Function

Comments on HANK—Earnings Process

- ▶ Income data available annually
- ▶ Paper targets moments in SSA data (Guvenen et al.):
Variance and kurtosis of 1yr and 5yr changes
- ▶ Does HANK income resemble persistence and othe moments of actual data?
- ▶ Persistent component arrives every 38 years, half-life 18 years;
transitory arrives every 3 years, half-life 1 quarter

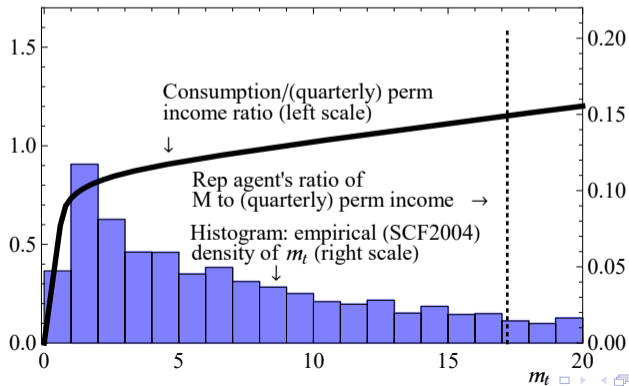
Comparison with Effects of FG in McKay et al.

McKay, Nakamura, Steinsson (2016)

- ▶ Effects of FG under incomplete markets & borrowing constraints only 40% of those in standard NK model
- ▶ Due to precautionary saving (Hhs dislike to decumulate wealth buffers)
- ▶ GE effects (due to $Y = C$) small b/c extra income goes disproportionately to rich (lower taxes)
- ▶ In contrast Werning (2015): individual income proportional to aggregate
⇒ effect of FG like in RANK /DSGE
- ▶ In HANK GE effects large? [2/3] Where does the extra income go?
- ▶ Are precautionary motives weaker in HANK than in McKay et al.?

Takeaway: Effects of Monetary Policy

- ▶ Effects of MP depend on whether it affects rich vs poor—low vs high MPCs
- ▶ Empirics: Di Maggio, Kermani, Palmer (2016)
US QE 1 worked because affected holders of mortgages (high MPC),
while QE2 did not because affected holders of Treasuries (low MPC)



Summary

- ▶ Important quantitative analysis of FG in realistic setup
- ▶ New insights into how FG works (direct vs indirect channels)
- ▶ Importance of fiscal–monetary interactions
- ▶ Implications for QE?