Households can increase the interest rate on their savings if they shop around more for their savings products – if they pay more attention (e.g. FCA, 2015). How does saver attention vary over the business cycle? How do banks respond? And what effect does that have on the business cycle?

Answer: Attention is countercyclical. When attention rises in a recession, banks offer higher rates relative to the policy rate. This amplifies shocks to consumption.

- heterogeneous costs  $\chi_t^n$ .

 $\beta b_t \mathbb{E}_t u'(c_{t+1}) = \mu \mathcal{J}'(i_t^e)$  $u'(c_t) = \beta(1+i_t^e)\mathbb{E}_t u'(c_{t+1})$ 



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## **Quantitative Model**

- Medium-scale DSGE model of the UK with household/bank interaction from simple theory.
- Estimate using standard macro series + data from empirical section.

### **Amplification** from countercyclical attention is large: Var(c) is 17% larger than if fix attention at steady state.

**Policy** that reduces cost of information (e.g. financial education) weakens attention amplification, reduces business cycle volatility. 50%  $\mu \downarrow \Rightarrow 10\%$  Var(c) $\downarrow$ .

	Consumption response
	(cum. $1yr$ ): fixed attention,
	relative to variable
Shock	attention benchmark
Govt spending	0.699
$\mathrm{TFP}$	0.783
Markup	1.042
Risk premium	0.949
Foreign demand	0.744

### References

Financial Conduct Authority (2015) Cash savings market study report: Part I: Final findings, Part II: Proposed remedies.