

DISCUSSION OF
"PHASING OUT THE GSEs"
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WHAT THEY DO

- ▶ Ambitious project to investigate the welfare and financial effects of government guarantees in the mortgage market
- ▶ Key ingredients:
 - ▶ Three types of agents: borrowers, savers, risk-takers
 - ▶ Idiosyncratic housing depreciation risk
 - ▶ Borrowers cannot commit to long-term contracts
 - ▶ Limited liability of risk-takers, private utility cost of bankruptcy
 - ▶ Risk-takers intermediate between borrowers and savers
- ▶ Model GSEs as tax and debt financed mortgage insurance:
 - ▶ Baseline: insurance is underpriced
 - ▶ Consider alternate insurance pricing
- ▶ Finds significant (and pareto) welfare gains from raising price of insurance

BIG PICTURE THOUGHTS

- ▶ GSEs huge players in mortgage market
- ▶ Cost of bailout sizable ($\sim \$180$ billion)
- ▶ First-order Housing-Urban-Finance-Macro policy question (mostly neglected so far):
 - ▶ Home-ownership and house prices
 - ▶ Mortgage leverage and foreclosures
 - ▶ Misallocation between housing and productive capital
 - ▶ Financial distortions and fragility
- ▶ Focus on financial sector...

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- ▶ ...very nice paper and complements household focus of Gete and Zecchetto (2015) and Jeske, Krueger & Mitman (2013)

RISK-TAKER DEFAULT

- ▶ Risk-takers face stochastic utility penalty of default ρ
- ▶ If net-worth goes negative, default rule as a function of ρ
- ▶ Bankruptcy is very orderly:
 - ▶ Risk-taker equity is wiped out
 - ▶ Assets and liabilities liquidated competitively
 - ▶ Government bails out negative equity
- ▶ No deadweight loss from bankruptcy
- ▶ No scope for bailouts to mitigate/impact that
- ▶ Can the government commit not to bailout banks ex-post?

WHAT IS A HOUSING CRISIS?

- ▶ Mortgage "crisis" in the model driven by increase in variance of housing depreciation shock, ω . [State of the world where it's more likely the roof falls in.](#)
 - ▶ House prices fall $\sim 7\%$
 - ▶ Foreclosure rate $> 10\%$
 - ▶ LTV spikes 11%

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- ▶ 2007-2010 mortgage "crisis":
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- ▶ How much of default is driven by price drop vs realized depreciation?
- ▶ Is this the right way to think about what drives a crisis?

GOVERNMENT DEBT AND SAVINGS

- ▶ Debt is high and volatile in the GSE economy
 - ▶ Lowers the risk-free rate
 - ▶ Hurts welfare of depositors
- ▶ No foreign ownership of government debt
- ▶ No capital in the economy
 - ▶ Does this make savers consumption too sensitive to government debt?
 - ▶ Does it make risk-free rate too sensitive to mortgage debt?

TRANSITION DYNAMICS

- ▶ Title: "Phasing Out the GSEs", yet focus is mostly on comparison of different economies
- ▶ Transition dynamics see important here:
 - ▶ In benchmark government debt is high
 - ▶ LTV and house prices are high
 - ▶ Transition induces borrower deleveraging (perhaps exacerbated by drop in house prices induced by reform).
- ▶ May reverse welfare gains by borrowers?

DISTRIBUTIONAL IMPLICATIONS

- ▶ Limited heterogeneity in the model
 - ▶ Everyone is a homeowner
 - ▶ Borrowers have perfect consumption insurance against idiosyncratic risk
 - ▶ Foreclosure not really adverse event to household
 - ▶ No tension between young renters and homeowners with big mortgages

