Competition and Scope in Banking: The Case of Small Business Lending

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Workshop on Household Finance and Housing

▶ Banks ↑ corporate credit cards post-Basel III

- Particularly relative to term loans/non-banks
- Validated with Khwaja-Mian style approach (γ_{it})
- Bank issued CC more likely to be maxed out
- Clustering of bank term lending at \$50,000
- **Banks push firms to CC + large term loans**
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$$\begin{aligned} U_{ijm} &= -\alpha r_{jlm} + X'_{jlm}\beta - \psi \ln(\hat{q}_i) \times \mathbb{1}[j = CC] \\ &- \mathbb{1}[\hat{q}_i < \bar{q}_{jlm}] \Big[\gamma_{jlm} \times \mathbb{1}[j = TL] + \lambda(\bar{q}_{jlm} - \hat{q}_i) \times \mathbb{1}[j = \bar{T}L] \Big] \\ &+ \xi_{jlm} + (1 - \sigma)\epsilon_{ijlm} \end{aligned}$$

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- **1**. Distaste for credit-cards ψ
- 2. Penalty for over-borrowing λ

This Discussion in Three Parts

- 1. Steering vs. standardization
- 2. The role of credit lines
- 3. My highlights

Steering vs. Standardization

- Model: banks impose cost γ_{jlm} to steer away from small loans
 - Pushes firms toward high margin products
- Empirical support: bunching of loans at \$50,000
 - But why are different banks coordinating precisely at \$50,000?
- > Alternative: efficiency gains for product standardization passed on to firms

Larger Banks Rely Heavily on Standardized Loan Products



Figure 5.7: Percentage of Banks That Use Standardized Small Business Loan Products

Source: 2018 Small Business Lending Survey

Standardization Can Explain Bunching Across the Board



Source: 2018 Small Business Lending Survey

What Would a Standardization View Change

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 - Maybe symmetry in the loss function around standard values?
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- \blacktriangleright Steering \Rightarrow bunching + reliance on credit cards is distortionary
 - Banks imposing unnecessary ordeal on borrowers
 - Natural target for regulation
- ▶ Standardization \Rightarrow bunching reflects lending technology
 - γ_{jlm} not necessarily a choice variable for firms
 - Regulation to ensure access to small loans can be distortionary

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 - ▶ Key tension for small borrowers: over-borrow or turn to credit cards?
- ▶ Lines of credit seem like an ideal product to fill the gap...

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 - I see a lot of value in including them

Not a Sideshow: Lines of Credit are a Key Form of Small Business Finance



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Source: 2020 Small Business Credit Survey Report on Employer Firms

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 - ► Further suggests that banks are steering firms towards high margin products

My Highlights

- 1. Rich structural modeling of the supply side
 - Multi-product + specialized lenders
 - Market power + strategic pricing across products for banks
 - Cost synergies across bank assets
- 2. Transparent estimation + identification
 - Complex structural model with rich heterogeneity
 - But super clear link between model parameters and empirical moments

- 1. Some dissonance in discussion of $\psi ln(\hat{q})$ as a cost on large CC borrowing
 - ▶ Isn't this a cost on all CC borrowing? Concavity seems a bit awkward.
- 2. Why not allow for synergies between term + CC
 - Does Table 6 indicate substitution instead of complementarity?
- 3. How do we think about steering vs. rationing?
 - ▶ Does shift to credit cards + non-banks reflect denials for term loans

Approval Rates Growing for Online Lenders



Source: 2018 Small Business Lending Survey

Non-Employer Firms



PANEL B: TOTAL NUMBER OF FIRMS (BOTH BORROWERS AND NON-BORROWERS)



81% of U.S. small businesses are nonemployer businesses.

Back

Large Lenders Require Minimum Loan Sizes

