

Cost Pass-Through and Mortgage Credit: The Case of Guarantee Fees

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Discussion by

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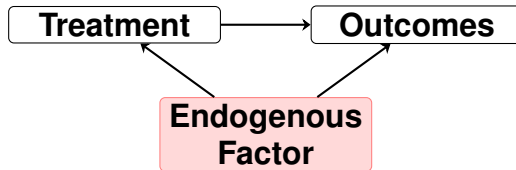
Summary

- Research Questions
 - ▶ How do lenders pass-through guarantee fees?
 - ▶ What mechanisms intermediate this pass-through?
- Methodology
 - ▶ DiD exploiting increase in fees for LTV-Credit buckets
 - ▶ Exploration of asymmetry, market structure, and demographics
- Key Results
 - ▶ Pass-through is complete, roughly 70-30 split across rates and fees
 - ▶ Pass-through is asymmetric: 100% \uparrow vs. 70% \downarrow
 - ▶ Market structure and demographics don't intermediate pass-through
- Comments
 - ▶ Timing of Treatment
 - ▶ Sorting into Treatment
 - ▶ Contribution

Timing of Treatment

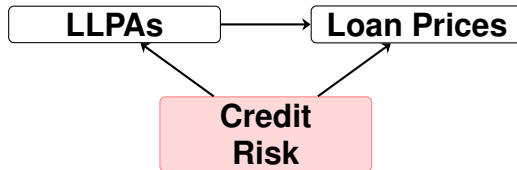
Comment #1: Does Timing Correlate with Risk?

- Shock must approximate an ideal treatment
 - ▶ Endogenous factor must **not be correlated** with both treatment timing and future outcomes



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 - ▶ **Key implication:** Credit risk cannot **cause** both Δ LLPA and Δ prices



Comment #1: Does Timing Correlate with Risk?

- Shock must approximate an ideal treatment
- **This Paper:** Assumes Δ LLPA intended as subsidy
 - ▶ Subsidy angle: “increase pricing support. . . by income or wealth”
 - ▶ Risk-based angle after-thought: “Only after media backlash. . .”
 - ▶ Paper’s conclusion: Originally intended to subsidize borrowers

Comment #1: Does Timing Correlate with Risk?

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- **Challenge:** Design must address risk-based channel directly

FHFA Jan-19-23 — “FHFA Announces Updates to the Enterprises’ Single-Family Pricing Framework”

“These changes to upfront fees will strengthen the **safety and soundness** of the Enterprises by enhancing their ability to **improve their capital position over time**,” said Director Sandra L. Thompson. “By locking in the upfront fee eliminations announced last October, FHFA is taking another step to ensure that the Enterprises advance their mission of **facilitating equitable and sustainable access to homeownership**.”

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Fannie Mae Jan-19-23 — “New Loan-level Price Adjustment Framework”

We are implementing additional changes to our LLPA framework that represent the next step in our effort to **increase support for borrowers historically underserved** by the housing finance market while ensuring a level playing field for small and large lenders, **fostering capital accumulation**, and **achieving viable returns on capital**... Along with the support of FHFA, we will continue to **review national pricing levels to ensure we operate in a safe and sound** manner and we are positioned to fulfill our mission of providing **stability and liquidity** to the mortgage market.

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Solution: Rule out risk-based angle

- Null #1: Loan prices adjusting **before announcement**
- Null #2: Unobserved risk increasing **before announcement**
- Falsify: Pre-trends in loan prices, LTV's, credit scores, delinquencies
- Must include several months preceding announcement:
 - ▶ FHFA assessment period
 - ▶ Seasonality

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- **Deeper challenge:** Why should subsidy goals not be endogenous?

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Sorting Into Treatment

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- Limit sorting in an ideal experiment
 - ▶ Restrict sorting around treatment group
 - ▶ Restrict sorting around treatment time
 - ▶ **Goal:** Limit selection bias

<u>Group</u>	<u>Period</u>	
	Control	Treatment
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Control	Borrower ↑	

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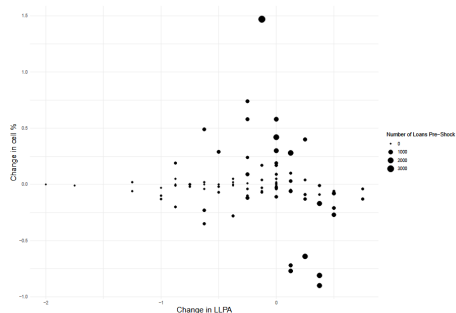
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- **Claim:** No borrower sorting
 - ▶ No sorting across treatment group:
 - No sorting on LTV and Credit Score
 - ▶ No sorting across time:
 - Loan prices are stable in the pre-period
 - No reversion in post-period
 - Purchase timing related to moving

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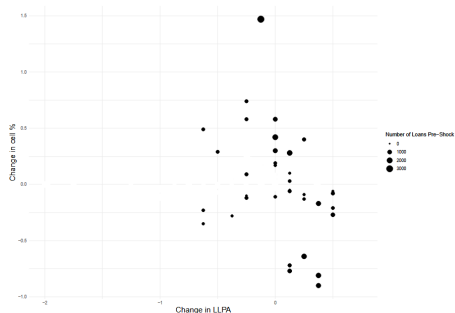
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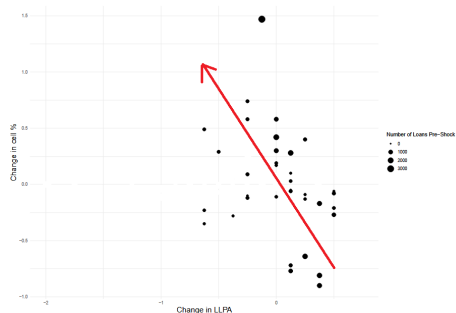
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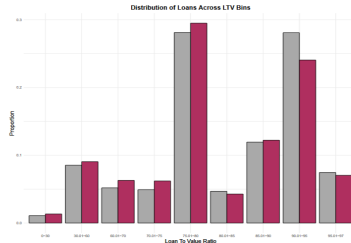
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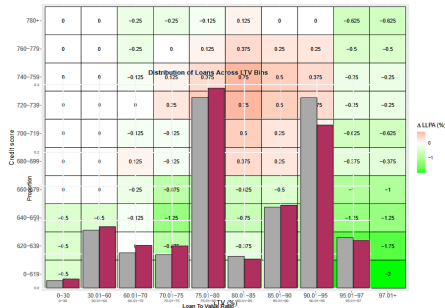
LTVs and LLPA Matrix



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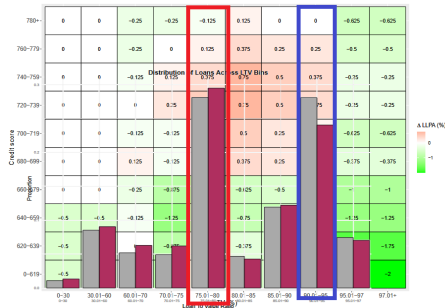
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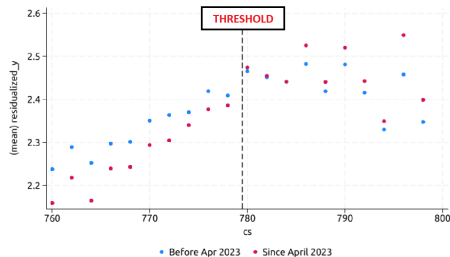
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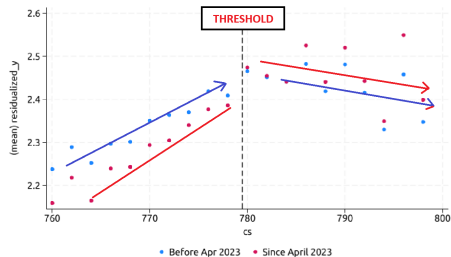
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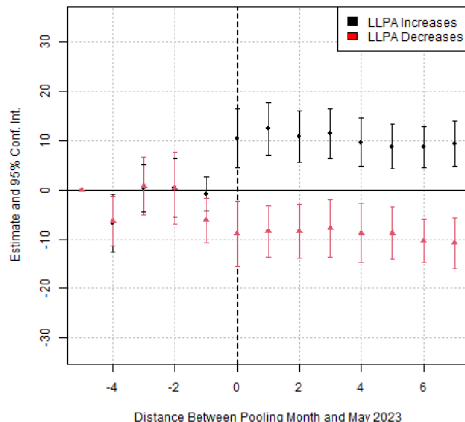
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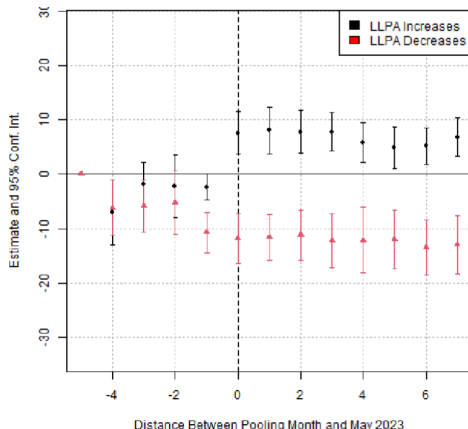
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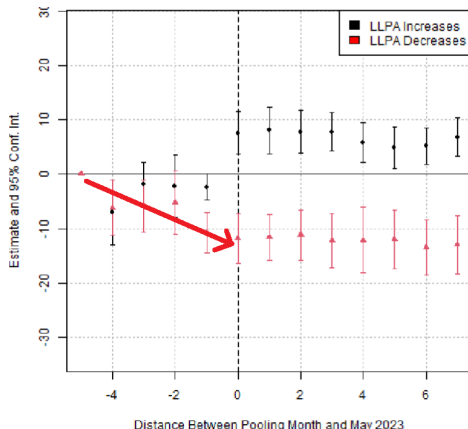
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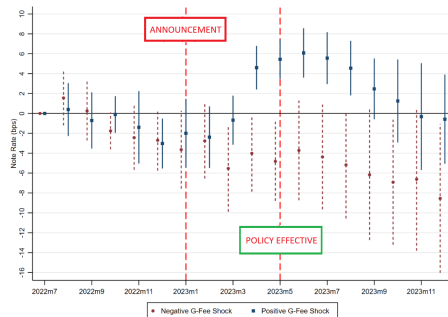
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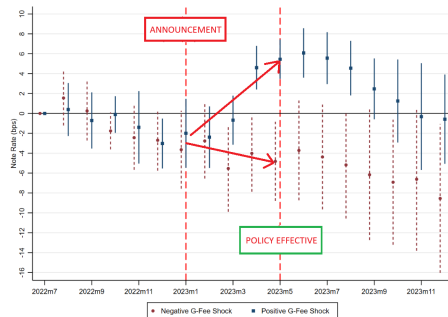
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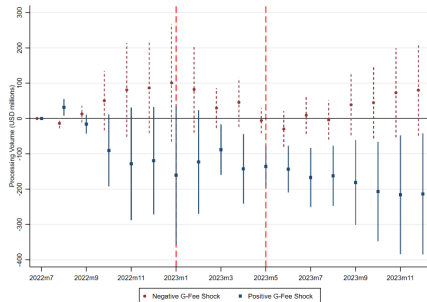
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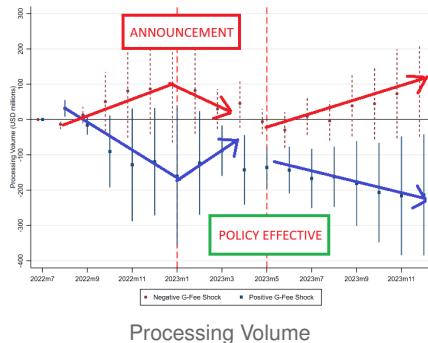


Processing Volume

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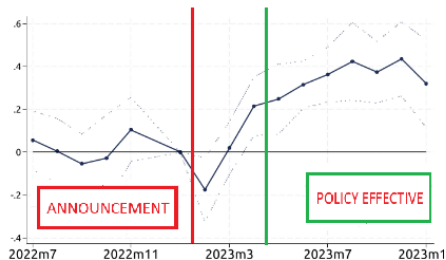
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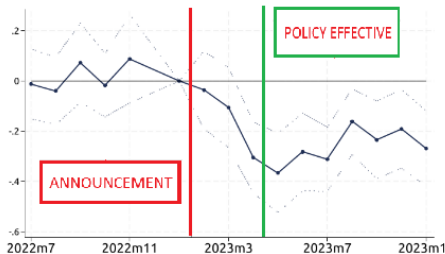


(b) GSE loan originations (credit score 680)

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(b) Net origination charges (credit score 680)

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- **Takeaway:** Sorting is very involved
 - ▶ **Heavy** strategic behavior is expected
 - ▶ Sorting into both **groups** and **periods**

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 - ▶ **Recommendation:** Adjust design
 - FHFA News Date (Amorn. and Ricks, 2025)
 - Credit Score RDD (Kim, Liu, Zhang, 2025)

Contribution

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- One concurrent paper on g-fees pass-through
 - ▶ Ahsin (2024):
 - DiD around announcement, not treatment
 - Focus on market structure and lender size
- Two papers studying **same** natural experiment
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- **Strongest Contribution:** Exploring Asymmetry
 - ▶ Currently: information asymmetry, demand, and competition
 - ▶ Tease out information asymmetry more:
 - Sophistication: Bhutta, Fuster, Hizmo (2024)
 - Vertically integration : Streobel (2015)
 - Collateral uncertainty: Jiang & Zhang (2025)
 - ▶ Explore securitization (lender sorting):
 - Timing of sale \Rightarrow loan outcomes
 - Adelino, Gerardi, Hartman-Glaser (2019)
 - ▶ Explore the implications for monetary policy
 - Berger et al (2021): Path-dependence
 - Effect of average mortgage coupon?

Conclusion

- Timely and relevant topic on pass-through of loan costs to borrowers
- Empirical design could sharpen to approximate ideal experiment
- Asymmetry appears to be strongest distinguishing contribution