



Discussion to “The Collateral Channel and Bank Credit”

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(1) Collateral data: good, but better exists

- Strength of paper explicitly distinguishing pledging from mere ownership of real estate
- Novelty claim should be qualified. Data only provide dummy for whether collateral is pledged and what type
- Calomiris et al. (2017, JFE) use loan-level data with **appraisal value** of collateral, by type (RE, inventory, etc.)

(2) Re-appraisal role is missing

- Collateral channel implicitly assumes:

$\text{RE Prices} \uparrow \Rightarrow \text{Collateral Value} \uparrow \Rightarrow \text{Credit Supply} \uparrow$

- Change in collateral value relies on **collateral re-appraisal**
- How frequent are re-appraisals in the US?
- In Chile, they are infrequent -> external validity

Endogeneity of real estate prices

- Collateral channel:

Local RE prices $\uparrow$ $\rightarrow$ Collateral value $\uparrow$ $\rightarrow$ Firm credit $\uparrow$

- Identification problem:

Local Boom $\rightarrow$ RE prices $\uparrow$ $\rightarrow$ Collateral $\uparrow$ $\rightarrow$ Credit $\uparrow$

Local Boom $\rightarrow$ More credit demand $\rightarrow$ Credit $\uparrow$

Solution

- Instrument for real estate prices:

$$Z \rightarrow \text{RE Prices} \uparrow \rightarrow \text{Collateral} \uparrow \rightarrow \text{Credit} \uparrow$$

- Where:

$$Z = (\text{Land Supply Inelasticity}_m) \times (\text{National Mortgage Rate Shock}_t)$$

- Exclusion restriction: Z affects Y only through X

$$Z \rightarrow \text{RE Prices} \rightarrow \text{Credit}$$

(3) Fundamentals, not collateral

- Inelastic cities (SF, NYC, Boston) are superstar cities -> productive firms, skilled workers, inflows of K/innovation
- Land scarcity reflects fundamentals: desirable locations; talent networks, finance, knowledge spillovers
- More responsive to decline in national interest rates



Endogeneity of collateral choice

Firm growth prospects $\rightarrow$ Pledge RE as collateral $\rightarrow$ Credit $\uparrow$

Firm growth prospects $\rightarrow$ Credit demand $\uparrow \rightarrow$ Credit $\uparrow$

- Instrument for collateral choice:

$$Z = \text{Court Efficiency}_m$$

- Court efficiency isn't just about repossessing collateral: it's a broad proxy for institutional quality

(4) Institutional quality, not collateral

- Regions with more efficient courts have better enforcement overall, stronger rule of law, property rights, lower corruption, deeper financial markets, etc.
- Each of these improves credit availability independently of collateral use
- So even if no one pledges collateral, firms in efficient-court regions still get more credit because the whole financial and legal environment is stronger

(5) Aggregate effects too large

- 37% of employment growth 2013-2019 attributed to collateral channel (original version)
- Employment grew 1.7% per year (18 MM jobs)
 - Demand-driven recovery: unemployment fell from 7.9% to 3.5% → 7 MM extra jobs (40% from absorbing slack)
 - Population growth 0.5% per year → explains 20% of total
 - Sectoral reallocation: 1/3 of jobs concentrated in health care, education, leisure → 20% of total
 - Productivity growth: 1% per year (weak) → 15–20% of total



Thanks!