

Discussion of:
Firm Quality Dynamics and the Slippery Slope of Credit Intervention
by Wenhao Li and Ye Li

Matteo Crosignani
New York Fed

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Should we bailout the productive sector during crises?

- Frequent and large credit interventions by ECB, BoJ, FED, fiscal authorities...
 - ✓ **Preserve production capacity** — unlike private funding, government funding is unconstrained by firms' collateral value
 - X **Dampen the “cleansing effect” of crises** — in a bailout low-quality firms are subsidized by non-discriminatory pricing, i.e. high-quality firms pay a relative premium for govt funding
- ⇒ “Quality-quantity” trade-off determines the optimal size of the (credit?) intervention

Should we bailout the productive sector during crises?

- 1) **Policy distortions are self-perpetuating** — a lower quality productive sector necessitates interventions of greater scale in the future
- 2) **Bailouts cause moral hazard for low quality firms** — low quality firms over-invest in normal times expecting (mispriced) credit support in an eventual future crisis
- 3) **More distortion in a low-interest rate environment** — High-quality firms save less causing the firm quality distribution to worsen → greater intervention needed in a crisis
 - This result likely not first order in the data and somewhat distracts from the core of the model

Mispricing by the government

- **Mispricing as the government does not differentiate high- from low-productivity firms**

Key friction motivated by:

- Productivity not easily observable
 - Political considerations against discriminating among firms
 - Speedy implementation might make credit pricing unfeasible
- Intuitive (and common sense) limitation of government interventions during crises
- **Is this one the key distortion in the data?**
 - This paper: productive firms pay a relative premium for government funding
 - There is no “congestion externality” (Caballero et al., 2008) caused by too many unproductive firms or too much production relative to a laissez-faire benchmark

Nature of the shock

- A crisis is a suddenly binding financial constraint for a subset of firms that reduce investment below the level implied by their Tobin's Q (firms rush to rebuild capital)
 - The model resembles a natural disaster or a localized cyberattack
- Difficult to interpret this setup as a "crisis" where demand drops
 - *"The destruction of capital can be interpreted as a decline of product demand, disruptions in supply chains, or government mandatory shut downs"*
 - The permanent vs temporary nature of the shock should be a key component of the trade-off (bailing out gyms and restaurants vs bailing out commercial real estate)

Funding the government bailout

- The government finances lending with lump-sum taxes on deep-pocket households and transfers the instantaneous repayments to households
 - Other government funding arrangements possible?
 - What distortions? Think of aggregate demand post-COVID in the US
 - Is the government becoming an equity holder?

Two suggestions

- 1) Model predicts a correlation between bailout size and change in firm quality distribution
 - Can be tested in the data across industries, countries, or crises episodes
 - Can the model be used to *detect* “Fed put” distortions?
- 2) The paper is already rich, not sure whether analysis on low interest rate environment and extensions on banks and firms’ precautionary savings belong to the main body

Overall

- Intuitive and elegant model
- Gives a much needed structure to the growing empirical literature on the “Fed put”
- Important insights on the dynamic effects of bailouts (slippery slope)

- Two main comments:
 - Government mispricing in the model vs. congestion externalities in the data
 - Shock to capital in the model vs. COVID-19/financial crises/natural disasters in the data