Credit Market Equivalents and the Valuation of Private Firms Hüther, Schmid, and Steri

Discussion - FIRS - Spring 2021

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This Paper

Pricing of Private Equity

- Does Private Equity create value?
 - Jensen (financial) theory of the firm
 - ▶ Rajan financing lifecycle theory of the firm
- How do evaluate firm value
 - NPV
 - ▶ What is r?
 - Role of capital structure and ownership

In the background

- New ways of evaluating PE: PME/GPME
- Integration between debt and equity

This Discussion

A lot to cover ...

- Evaluation of PE: what's new here?
- Structure of ownership: motivating the pricing assumptions
- Should we price everything with "bond factors"?

Plan

1 Private Equity Evaluation

2 Empirical Framework

PE Evaluation: State of the Field

Public Market Equivalents

- Focused on equity side of deals
- Get LPs cash flows and discount using standard asset pricing
 - ▶ NPV rule: $\sum_t CF_t/(1+r)^t$
 - market return $r = R^{\mathsf{MKT}}$ (PME) or beta adjusted $r = \beta R^{\mathsf{MKT}}$

Main Assumptions

- Investors (LPs, GPs) are well diversified
- CAPM works (market return accounts for the risk premium)

How is this paper different?

Integrated markets

- PME or GPME infers SDF from "equity prices" (in the best case)
- Use SDF from PE debt markets to price standard PE cash flows
 - Precedent: Philippon

Main Assumption: debt and equity markets are integrated

- Claims on the same assets
- Similar sets of investors

Plan

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Pricing using loans

Pricing

- Fit loan pricing data for PE deals
- Use common factors: standard equity factors and two "bond-specific" factors
 - ▶ Is factor selection ex-ante or ex-post (selection bias, overfitting...)
 - Training/Validation sample?
- External validity of the model
 - Market integration: pricing should apply globally
 - Similar firms that are public
 - Equity markets?

Origin of the loan data

- Are loan prices actual trades or simply quotes?
- What is the DGP for imputing loan data?
 - factor model, missing at random, matrix pricing?

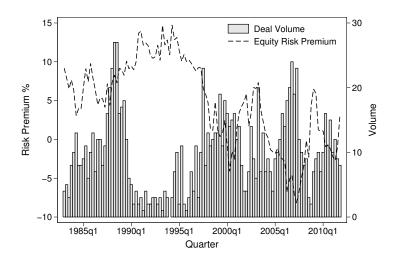
More evidence of debt/equity integration

This paper

- Bring modern asset pricing apparatus
- More precise estimation of deal value
- Reevaluate how useful private equity is

More evidence of debt/equity integration

Other evidence of equity and debt market integration



More evidence of debt/equity integration

Other evidence of equity and debt market integration

- Time variation in expected returns predicts LBO activity (Haddad, Loualiche, Plosser)
- Measure of expected returns based on *equity* markets
- Another way to show that PE literature can learn from asset pricing (and vice-versa maybe!)

Final Thoughts

Very interesting Paper!

Take away

- New way to evaluate
- Based on asset pricing model fitted to loan data
- Tighter integration between debt and equity market than usually assumed
- Importance of asset pricing for purely corporate finance transactions

Great Paper!