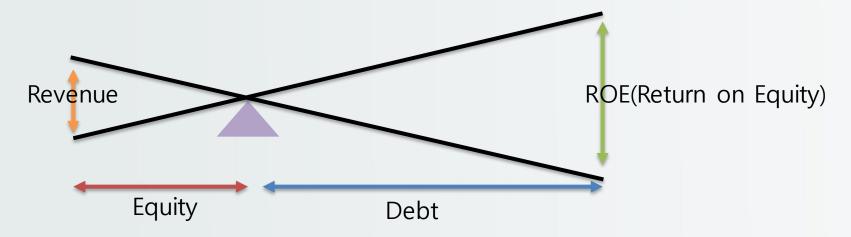
Research Proposal

Alice Mee Seon Chung



Background

Company wants to maximize their firm-value



- Company can maximize their firm-value with high-debt
- What factors affect on Capital Structure?
- > The cost of Capital, Credit ratings, Growth rate, Tax exposure and so on
- Collateral value of asset

Research Question

What is the relationship between Asset liquidity and Capital structure in each business life cycle(i.e., star t-up, growth, mature, shake-out, decline)?

Literature Review

- Debates on impact of liquidity of a firm's assets on optimal leverage
- > Asset liquidity is an important determinant of capital structure. (Shleifer and Vishny, 1992)
- > The value of real assets influence on capital restructuring (Flor, 2007)
- Positive Relationship between Asset liquidity and leverage
- Asset liquidity increases optimal leverage (Sibilkov, 2009)
- Asset redeployability is important driver of leverage of firms (Campello and Giambona ,2013)
- Contribution
- Many researchers has studied this relationship by industries, by countries and by firm-sizes,
- But has not studied in each business life cycle stages!

Hypothesis

- At aggregate level, there is positive relationship between asset liquidity an d leverage. Asset liquidity increases the amount of capital that firm can bor row and optimal leverage.
- Firms in early business life cycle stage have stronger positive relationship than firms in decline stage.

Data

- SEC EDGAR (https://www.sec.gov/edgar)
- Company financial statements, annual reports data from 1984
- Offer transaction data and merger and acquisition data
- > Others
- Morningstar, Bloomberg (Financial Statistics)

Computation & Methodology

Computation

Liquidity Index

Using the two methods motivated By Hernan O. and Gordon M.(2014)

- 1. The number of potential buyers for a fir m's asset minus the number of rival firms in the industry that have debt ratings.
- 2. The average book leverage net of cas h of rival firms in the industry

Business Life Cycle

Using Cash Flow patterns (Dickinson, 2011)

The combination of a firm's net operating, investing, and financing cash flow and us ing the sign(positive or negative)

Methodology

Multiple Linear Regression

Testing the relationship between liquidity index and capital structure

Testing with sub-categories of capital structure(i.e. leverage, secured debt, unsecured debt)

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