Private Capital Rounds of Funding

Dann Sioson dj.sioson@alum.utoronto.ca

Novemer 20, 2019

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Graced

Crowdfunding and Early Stages

Series and Transitionary Funding

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Late Game Safety

Public and Beyond

Genera

Distributions of Investment Types Investor Ownership Total amount of funding per region

Introduction

- The data that is going to analyzed is about private capital rounds of funding
- ► If you are just jumping into this presentation blindly, there are a couple resources I recommend:
 - Startup Funding Explained: Everything You Need to Know [hyperlink]
 - Glossary of Funding Types
- In addition, I was able to find/use a complementary data set that tells what industry a company is in (including and prior to 2014)
- ► Presentation/Deliverables are available upon request. Contact dj.sioson@alum.utoronto.ca

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Investment Types segmented

Graced	Crowdfunding and	Series and	Liquidity Coverages	Late Game Safety Corporate Round	Publicity and Beyond
Angel	Early Stages	Transitionary	Debt Financing Post-IPO debt	Private Equity	Post-IPO equity
	Equity	Funding			Post-IPO
Non-equity Assistance Pre-seed	Crowdfunding	Series [AJ]			secondary
	Product Crowdfunding	Convertible Note			Initial Coin Offering
	Seed				Officially
Grant					

Other
Secondary Market
Undisclosed Funding

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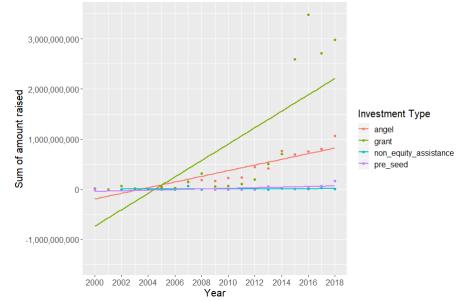
Crowdfunding and Early Stages Series and Transitionary Funding Liquidity Coverages Late Game Safety Public and Beyond

General

Distributions of Investment Types Investor Ownership Total amount of funding per region

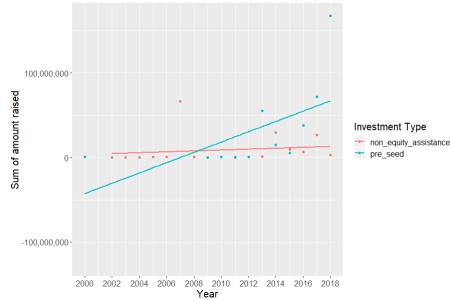
Graced funding over the years

Summation of amount raised per investment type (Graced)

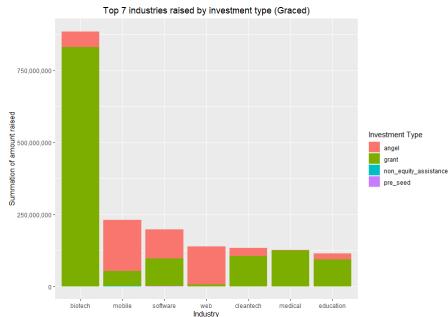


Graced funding (non-angel and non-grant)

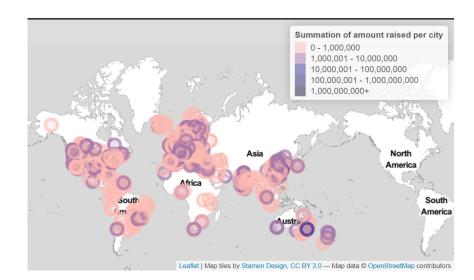
Summation of amount raised per investment type (Graced)



Top 7 Graced industries



Graced Cities [interactive]



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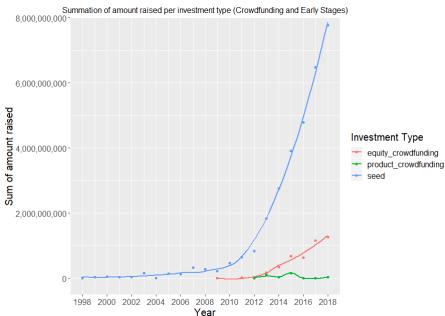
Crowdfunding and Early Stages

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General

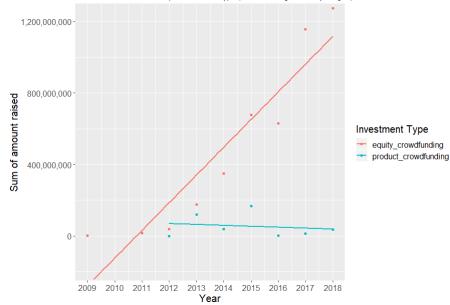
Distributions of Investment Types Investor Ownership Total amount of funding per region

Crowdfunding and Early Stages

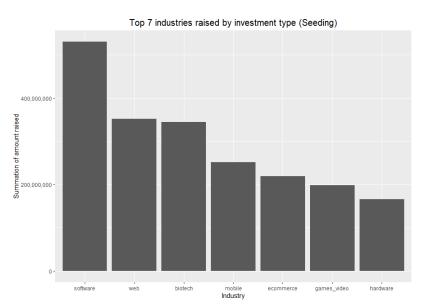


Crowdfunding and Early Stages [non-seed]

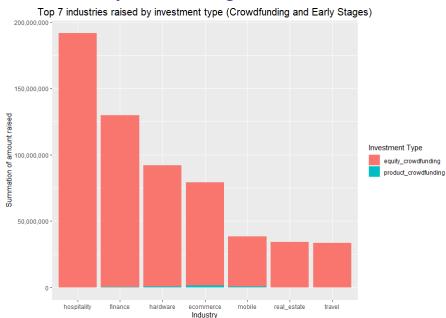
Summation of amount raised per investment type (Crowdfunding and Early Stages)



Top 7 industries by seeding



Top 7 industries by crowdfunding



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Crowdfunding and Early Stages

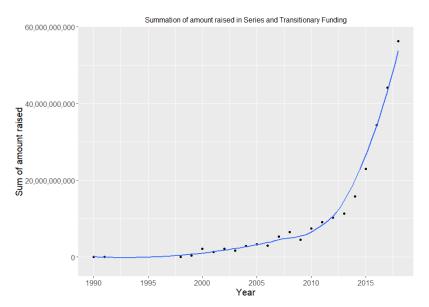
Series and Transitionary Funding

Liquidity Coverages Late Game Safety Public and Beyond

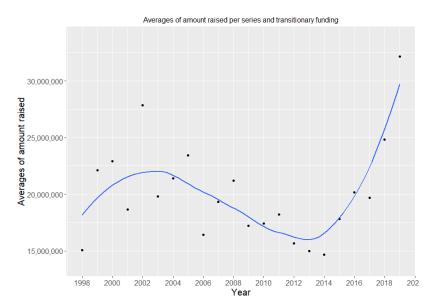
General

Distributions of Investment Types Investor Ownership Total amount of funding per region

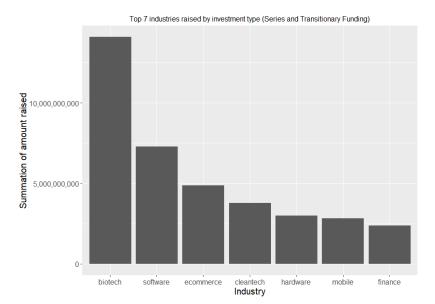
Series and Transitonary funding summation over the years



Series and Transitonary funding averages over the years



Series and Transitonary funding summation of industries



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Crowdfunding and Early Stages Series and Transitionary Funding

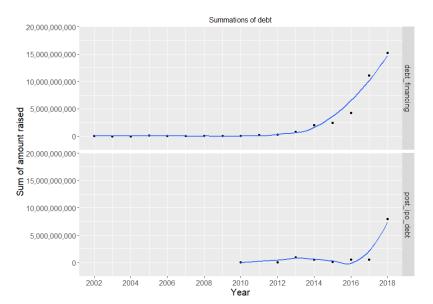
Liquidity Coverages

Late Game Safety
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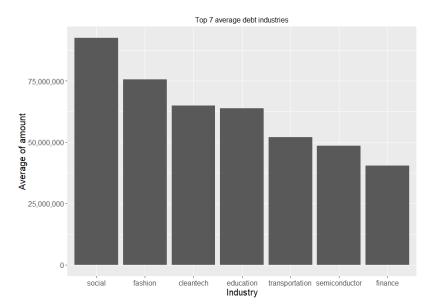
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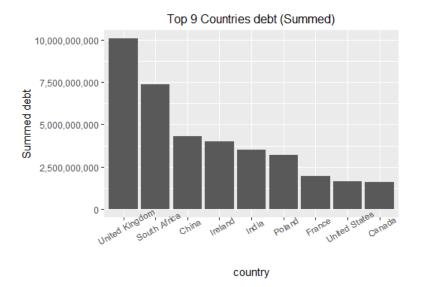
Liquidity Coverages



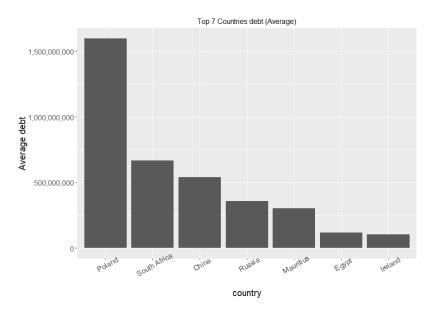
Liquidity Coverages (industries)



Liquidity Coverages (countries)



Liquidity Coverages (countries)



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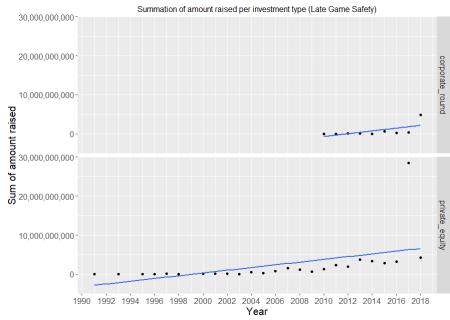
Late Game Safety

Public and Beyond

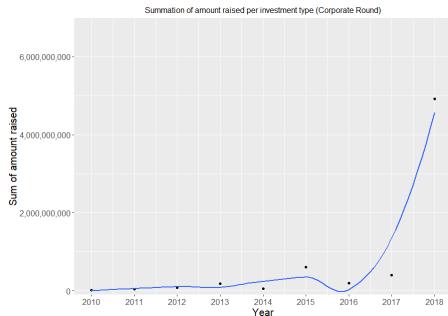
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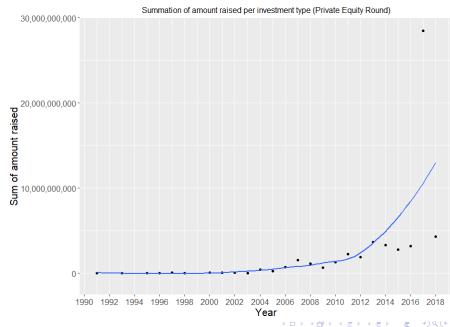
Late Game Safety [introduction]



Late Game Safety - Corporate Round



Late Game Safety - Private Equity

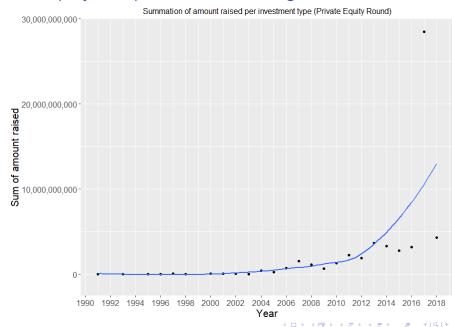


Late Game Safety - Private Equity

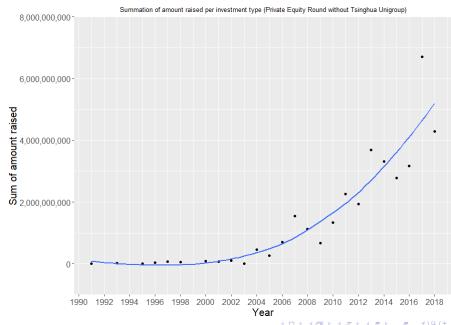


Taken From Financial Times [Hyperlink]

Private Equity Comparison - With Tsinghua



Private Equity Comparison - With Tsinghua



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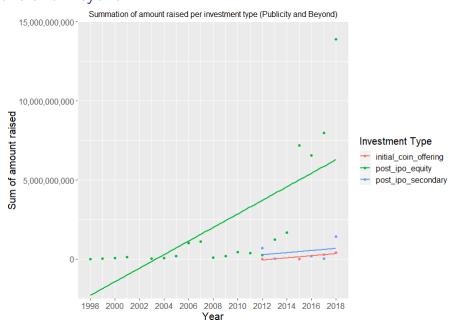
Late Game Salety

Public and Beyond

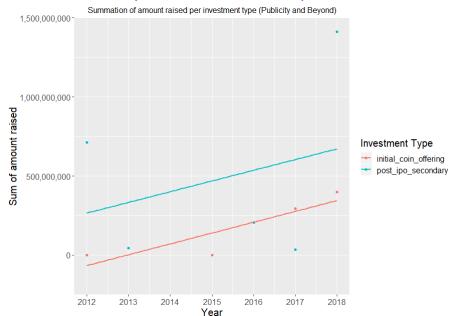
General

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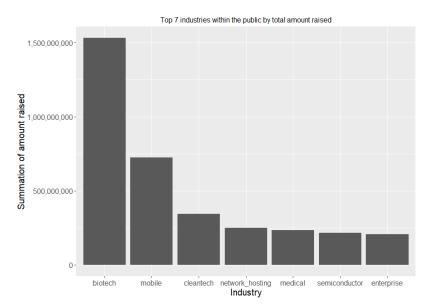
Public and Beyond



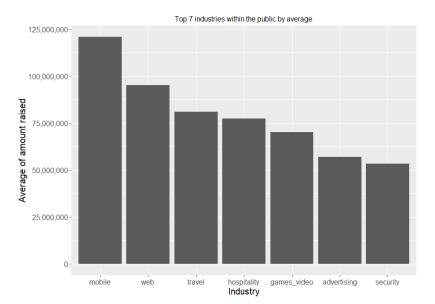
Public and Beyond (non Post-IPO Equity)



Public and Beyond (top 7 industries by summation)



Public and Beyond (top 7 industries by averages)



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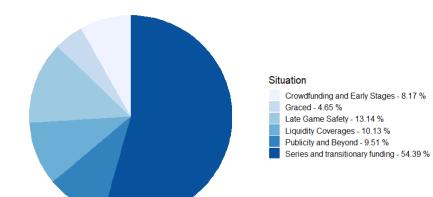
General

Distributions of Investment Types

Investor Ownership
Total amount of funding per region

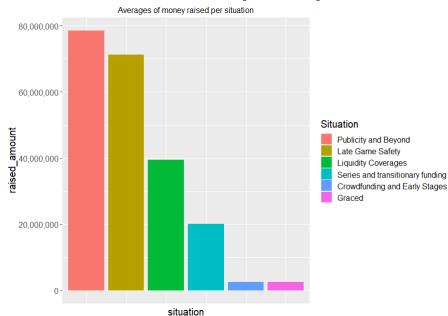
Distributions of investment types

Situation and amount raised



Proportion of amount raised

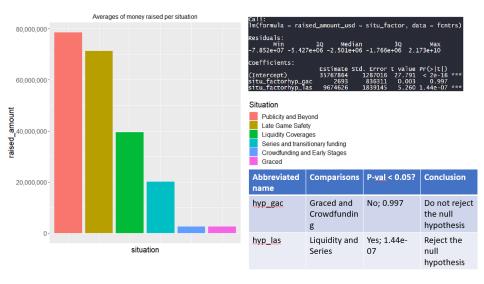
Distributions of investment types [Averages]



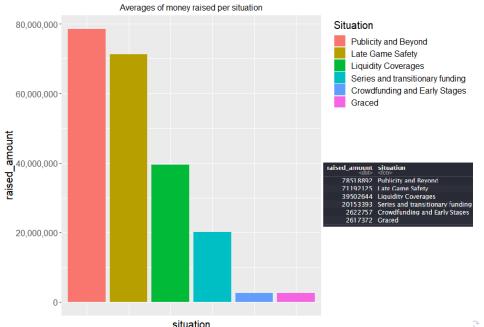
Contrast Analysis - What is it?

- ► Contrast is a linear combination of group means
- Notation: μ_A for mean of group A, and so on
- Null Hypothesis: $H_0: \mu_A \mu_B = 0$
- $\sim \alpha = 0.05$
- If p-value is less than α , reject the null hypothesis and conclude that there are significant differences between the groups

Contrast Analysis between investment types [Averages]



Contrast Analysis between investment types [Averages]



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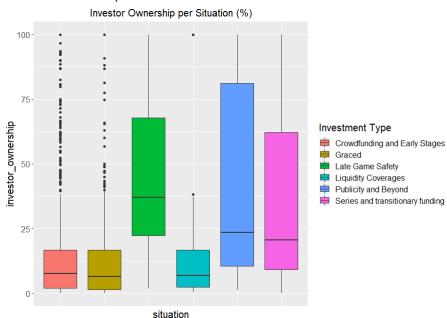
Total amount of funding per region



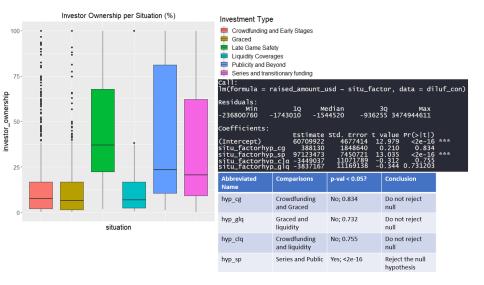
Investor Ownership - Basics

- ► The previous owner's share dilutes proportional to 100% — Investor Ownership%

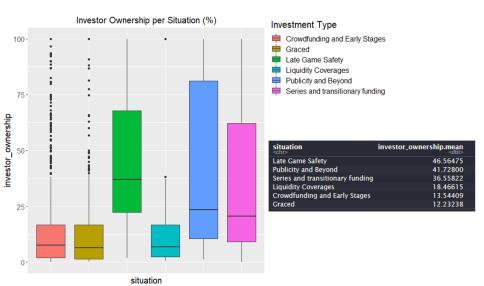
Investor Ownership



Investor Ownership Contrast Analysis



Investor Ownership Contrast Analysis



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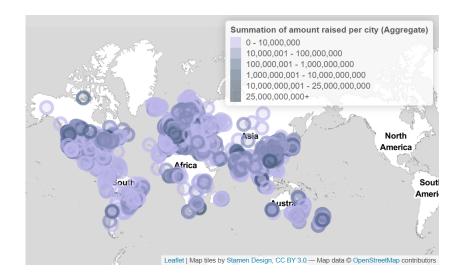
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Total amount of funding per region [Interactive]



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Next Steps...

- ► Further measurement of population density in a city
- ► Learn about industries that make global impact, not just economical impact
 - Determining how we can measure an industry's impact per dollar raised relative to standards of human life and the ecological environment
 - ▶ Which countries/regions provide the largest global impact

Thank you!

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Made with...

- base R and libraries:
 - tidyverse
 - countrycode
 - sqldf
 - ggmap
 - ► leaflet