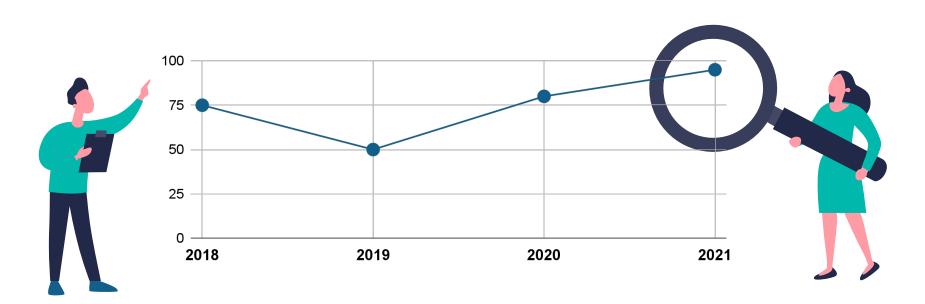
### Which kinds of startup tend to raise higher amount in Angel?

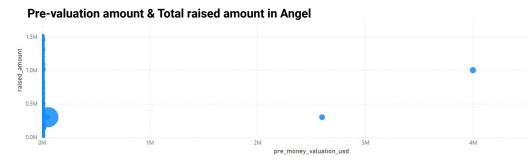


# We make hypotheses on which categorical/numerical factors may have correlations with metrics of success in Angel.

	Factors for analysis		Metrics
		Pre-valuation amount	Total raised amount
Which kinds of	Numerical	Operating time	Number of companies receiving funds
startup tend to raise higher amount in		Number of attempts	Median raised amount
Angel?		Industry	Success rate (chance of being funded)
		Geography	
		Time of fundraising	



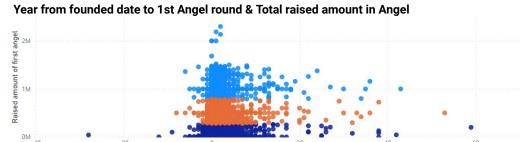
#### 1.1 NON-CORRELATING FACTORS





Almost all startups are valuated at \$0 before Angel.. Pre-valuation amount does not affect how much a company can raise.

Data point size: post-valuation amount -> Almost all companies' valuation amount did not change after Angel.



Year from founded to 1st angel

#### Years of operation

The majority of companies entered first Angel round after 0-7 years from foundation.

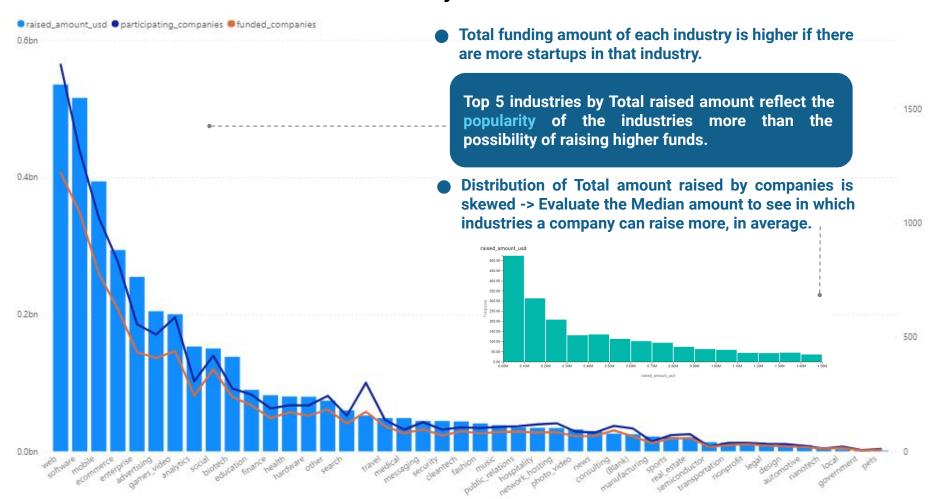
Raised amount of first Angel round varies across all operating times.

Number of attempts

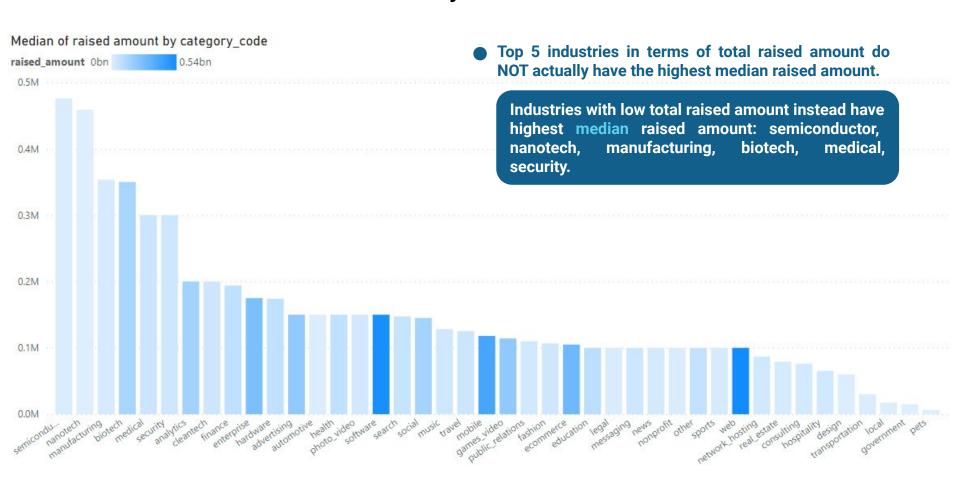
97.88% % company funded in 1st round

Almost all companies didn't have to wait till the second Angel round to get their first flows of capital.

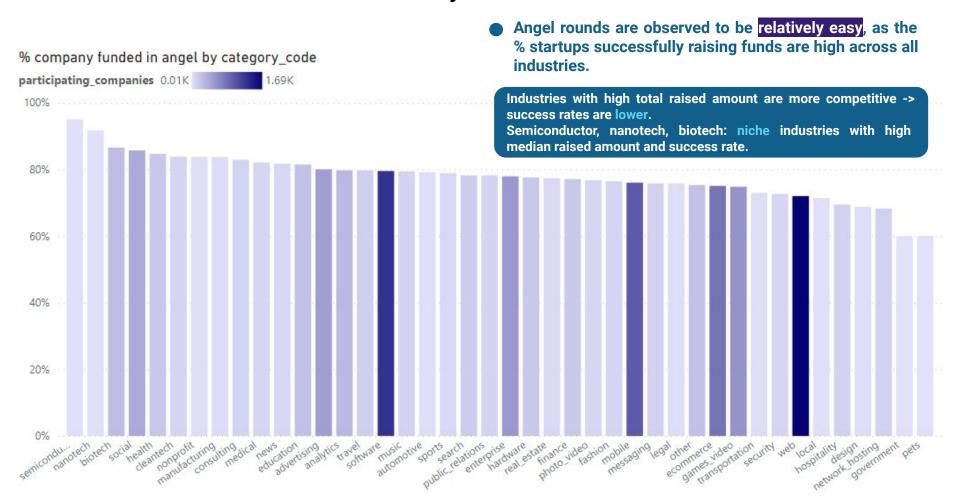
#### 1.2 CORRELATING FACTORS - Industry



#### 1.2 CORRELATING FACTORS - Industry

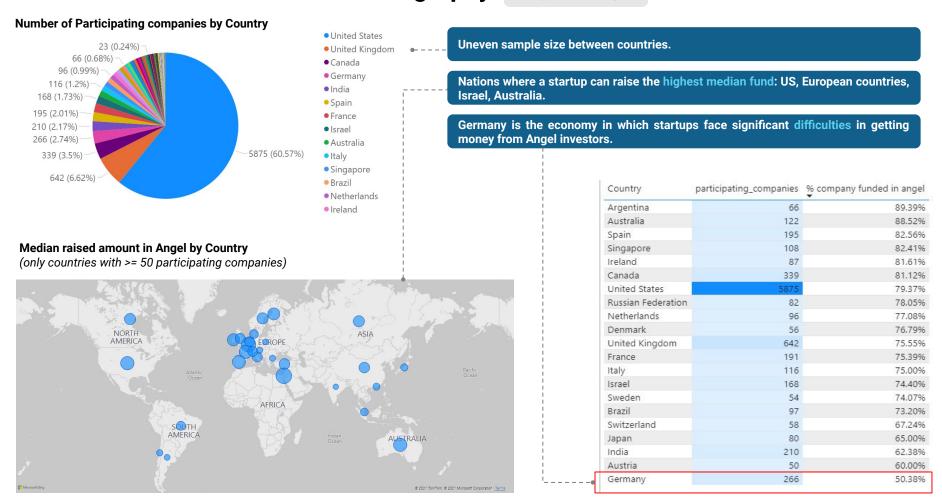


#### 1.2 CORRELATING FACTORS - Industry



### 1.2 CORRELATING FACTORS - Geography

**By Country** 



### 1.2 CORRELATING FACTORS - Geography

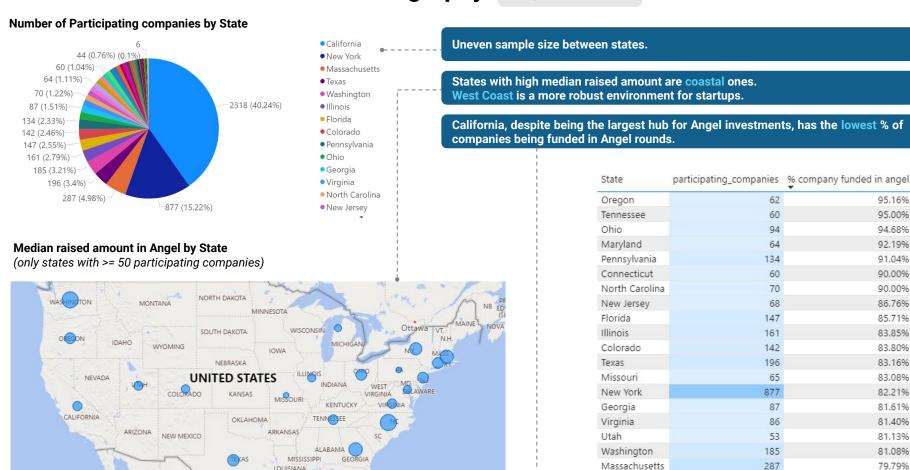
LOUISIANA

Microsoft Bing

**By US State** 

California

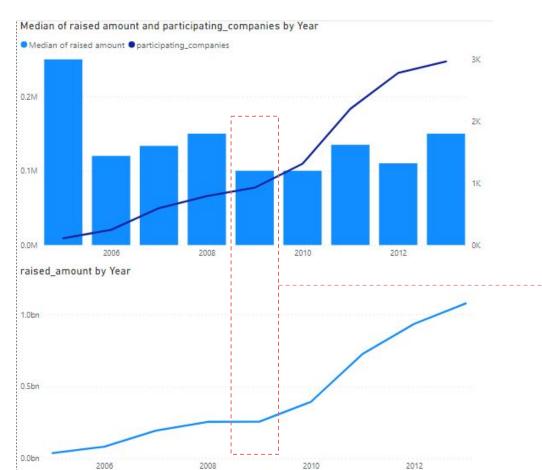
72.35%



© 2021 Hofffohn, © 2021 Microsoft Corporation Terms

#### 1.2 CORRELATING FACTORS - Fundraising time

Startups should consider when to raise funds: avoid regression periods of the economy.



Only years with >=100 participating companies are chosen for analysis.

Through years, number of startups and raised amount steadily increased, however median raised amount fluctuated.

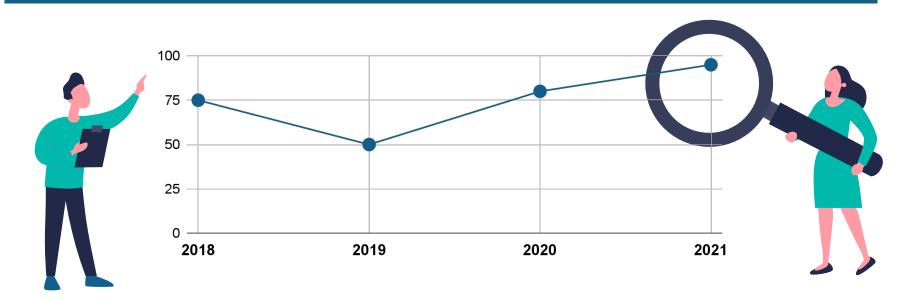
2009: participating companies did not decrease >< total raised amount & median raised amount dropped. => Great Recession 2007-2009

#### **SUMMARY & RECOMMENDATIONS**

- It doesn't matter if the startup is young and newly founded, or is not valuated highly prior to their Angel rounds, as these facts do not affect their fundraising amounts.
- It is quite easy for startups to raise funds successfully in Angels, right on their first attempt.

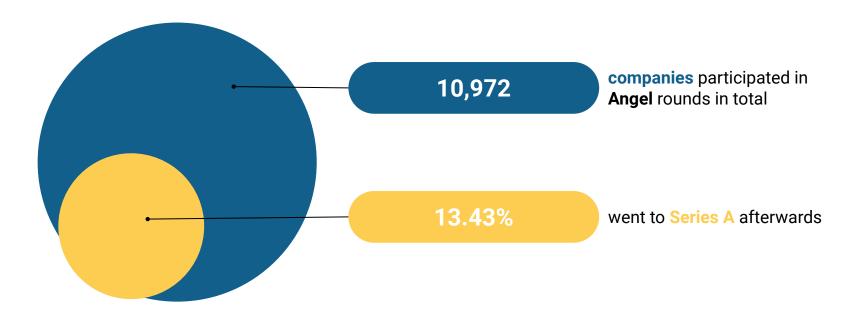
  How much they can raise is what truly matters though (more in Question 2)
- Technology/Internet sectors are booming industries for startups and investors, however more niche sectors like Healthcare, Biology, Semiconductor show higher funds and success rate.
- Startups should consider where and when to raise funds: ideally in developed & startup-culture enriched economies, and avoiding regression periods of the economy.

## What are the differences between startups proceeding to Series A and those who did not?



#### **OVERVIEW**

Startups stand an extremely low chance of successfully go to Series A rounds after their initial Angels.

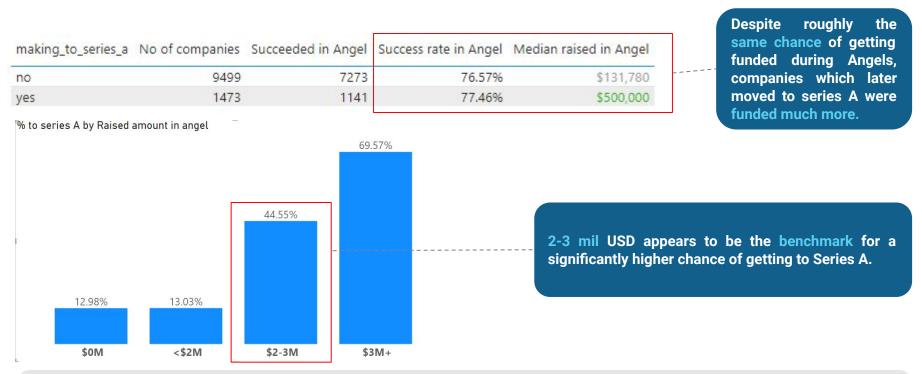


The low probability implies **great challenges** startups have to face when ambitioning to gain higher funding, and poses questions on **what can potentially increase their success rate** in conversion.

#### **KEY FINDINGS**

- Companies raising higher Angel funds are more likely to convert to Series A.
- Companies making it to series A are less vulnerable to closure than those who stopped at Angel.
- Probability of startups advancing to series A varies across different industries.
- Companies raising funds from more investors in Angel rounds are more likely to go to series A. Funding from top investors does not necessarily mean higher conversion rate.
- Generally, chance of entering Series A got slimmer over the years as competition increased.

## 1. Companies that raised more funds in Angel rounds are more likely to enter Series A

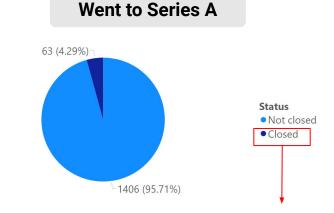


- Companies are funded more if their business ideas and early-stage operation plans are more convincing and appealing to investors. -> Good foundation makes them go further easier.
- Raising more in angel rounds is a good strategy to survive past the first years before the business grows large enough to raise more funds.

### 2. Companies making it to series A are less vulnerable to closure than those who stopped at Angel



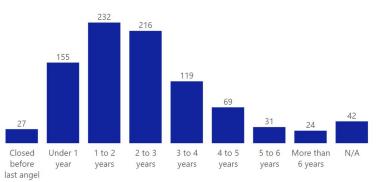
Only <5% of companies reaching Series A have been shut down, while this rate for companies only taking Angel is up to 10%.



Number of companies by Time from Last Angel to Closed date

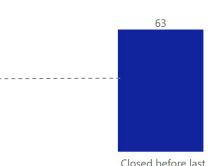
angel

Number of companies by Time from Last Angel to Closed date

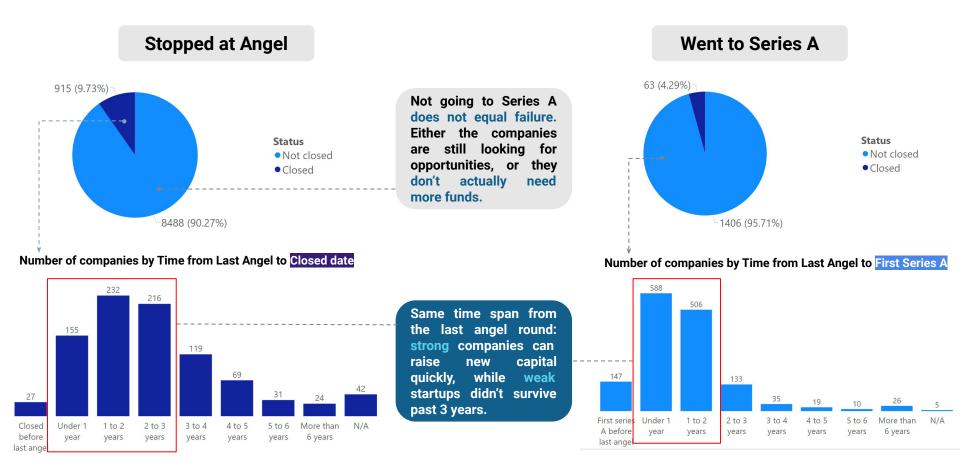


closed companies from "Went to Series A" **Group still have their last** Angel round after their close date.

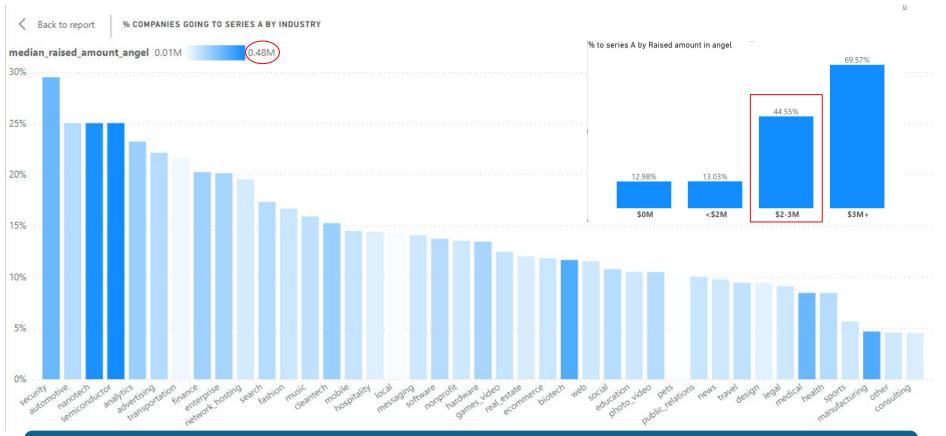
\*If this is data error, no companies in this group were actually closed.



# 2. Companies making it to series A are less vulnerable to closure than those who stopped at Angel



### 3. Probability of startups advancing to series A varies across different industries.



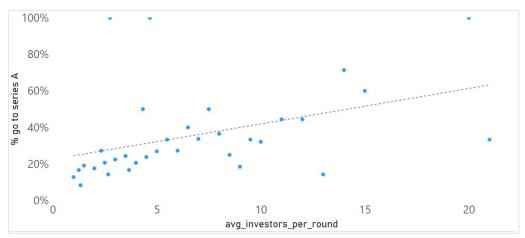
Industries in which startups can raise the highest Angel funds do not necessarily promise higher chance of advancing to Series A, as the majority of startups do not reach the benchmark of \$2-3M.

# 4. Companies raising funds from more investors in Angel rounds are more likely to go to series A.

making_to_series_a	No of companies (with investor data)	Total investors	Median investors
no	5574	12950	1.00
yes	1333	7749	4.00

Generally, each company in group "Yes" raised fund from more investors than group "No" in Angel rounds.

#### % go to series A by Average investors per Angel round



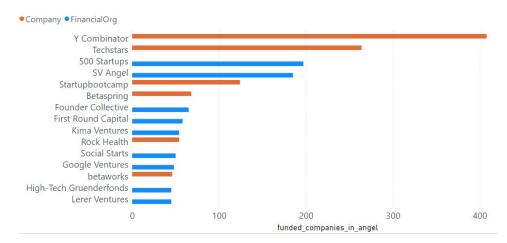
The more investors participating in an Angel round, the higher possibility a startup makes it to Series A afterwards.

The more investors a company seeks for during early funding rounds, the more help they receive upon defining a plan for Series A. Wider relationships also mean investors can connect to, and advise companies on potential later-stage investors.

## 4. Raising Angel funds from top investors does not necessarily mean higher conversion rate.

For practicality of the analysis, we include only investors who had funded at least 10 companies & made the last investment in at most 1 year from the time this dataset was collected (2013).

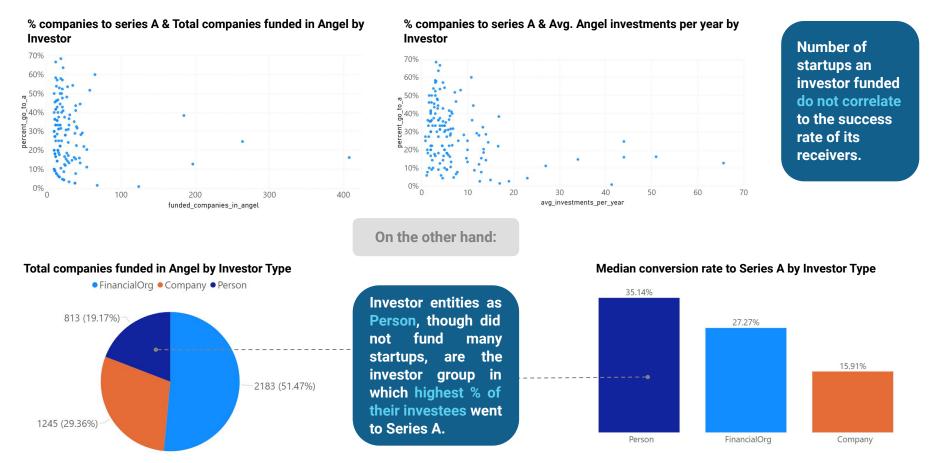




angel_investor	funded_companies_in_angel	percent_go_to_a	success_rate_rank
Y Combinator	408	16.18%	63
Techstars	264	24.62%	49
500 Startups	197	12,69%	69
SV Angel	185	38.38%	28
Startupbootcamp	124	0.81%	85
Betaspring	68	1.47%	84
Founder Collective	65	60.00%	4
First Round Capital	58	51.72%	13
Kima Ventures	54	20.37%	54
Rock Health	54	11.11%	72
Social Starts	50	22.00%	53
Google Ventures	48	29.17%	42
betaworks	46	28.26%	45
High-Tech Gruenderfonds	45	13.33%	68
Lerer Ventures	45	44.44%	20

The 15 investors who funded most companies in Angel rounds actually have fairly low percentage of their fund recipients continuing to Series A, as well as low Series A success rankings among 147 sample investors.

### 4. Raising Angel funds from top investors does not necessarily mean higher conversion rate.



### 4. Raising Angel funds from top investors does not necessarily mean higher conversion rate.

Top 15 investors by Total companies funded in Angel funded\_companies\_in\_angel percent\_go\_to\_a success\_rate\_rank angel\_investor Y Combinator 408 16.18% 63 Techstars 24.62% 49 264 500 Startups 197 12.69% SV Angel 185 38.38% Startupbootcamp 124 0.81% Betaspring 68 1.47% Founder Collective 65 60.00% 51,72% First Round Capital 58 Kima Ventures 54 20.37% Rock Health 54 11,11% Social Starts 22.00% 53 50 Google Ventures 42 29.17% betaworks 28.26% 45 High-Tech Gruenderfonds 45 13.33% 68

45

44.44%

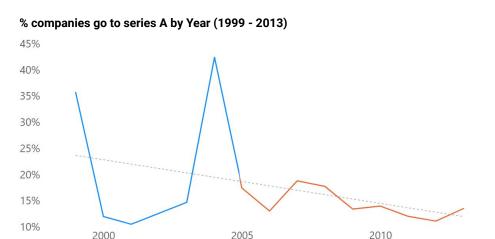
Lerer Ventures

angel_investor fur	nded_companies_in_angel	percent_go_to_a	success_rate_rank
Auren Hoffman	19	68.42%	1
Ashton Kutcher	12	66.67%	2
Keith Rabois	22	63,64%	3
Founder Collective	65	60.00%	4
Neu Venture Capital	12	58.33%	5
Chris Sacca	19	57.89%	6
Baseline Ventures	21	57.14%	7
ff Venture Capital	14	57.14%	7
Felicis Ventures	35	54.29%	8
Jason Calacanis	13	53.85%	9
Esther Dyson	28	53.57%	10
Webb Investment Network	17	52.94%	11
Dharmesh Shah	21	52.38%	12
First Round Capital	58	51.72%	13
Accel Partners	18	50.00%	14
Reid Hoffman	20	50.00%	14
XSeed Capital  Investo	or type: Person	50.00%	14

Founder Collective is within Top 10 of both criteria, which we regard as the best investor for early-stage funding.

Individual investors, though do not invest in as large scale as institutional investors, seem to provide closer mentoring and are more engaged to their investees towards the expansion of those businesses.

# 5. Generally, chance of entering Series A got slimmer over the years as competition increased.



percent_to_series_a	companies_to_series_a	angel_companies_in_year	year_of_series_a
35.71%	5	14	1999
12.00%	3	25	2000
10.53%	2	19	2001
14.71%	5	34	2003
42.42%	14	33	2004
17.43%	19	109	2005
13.01%	32	246	2006
18.79%	112	596	2007
17.72%	140	790	2008
13.39%	124	926	2009
13.95%	183	1312	2010
11.99%	264	2201	2011
11.08%	308	2781	2012
13.48%	400	2967	2013

Conversion rate fluctuated through 1999 to 2013, yet during 2005-2013 when the fundraising landscape got significantly more competitive (>100 companies raising Angel funds each year), % making it to Series A saw a downtrend.

#### **SUMMARY & RECOMMENDATIONS**

- Very few startups can enter Series A, and it's even getting harder to qualify for Series A over the years. Startups in different industries do not stand equal chances to go to Series A.
- 2 Startups should consider raising higher amount right in early Seed stages, to give themselves more resources to live by and grow until they make it to higher funding rounds.
- The more feasible the companies' business models are, the more money investors are willing to invest, and the more chance the business will persist through times.
- 4 Startups should consider how many investors, and who to raise funds from.