Terms and Valuation

12th of May 2023





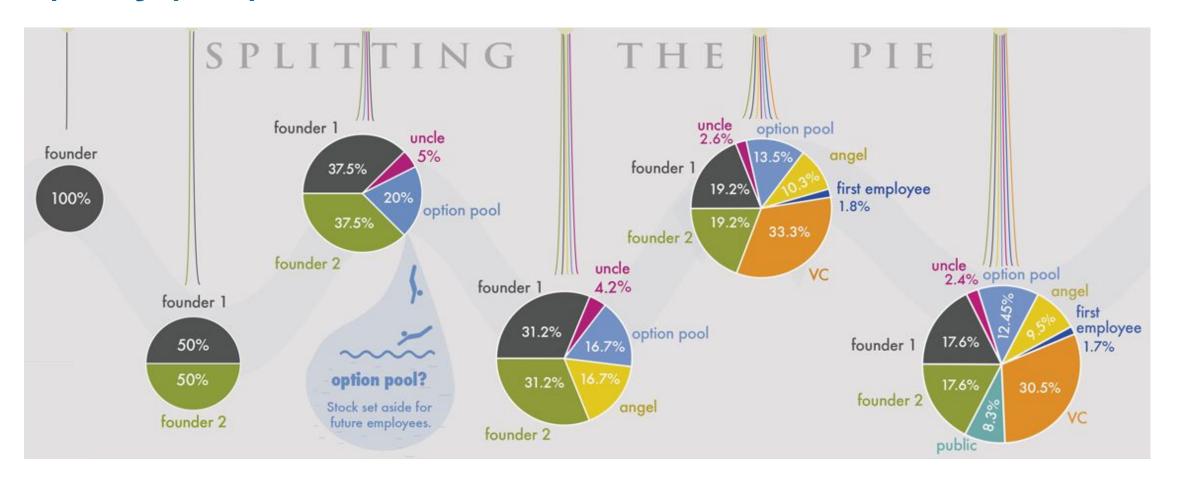
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Romeo BütlerPrincipal and Team Lead Switzerland



FROM THE LAST LECTURE

Splitting up the pie



Agenda

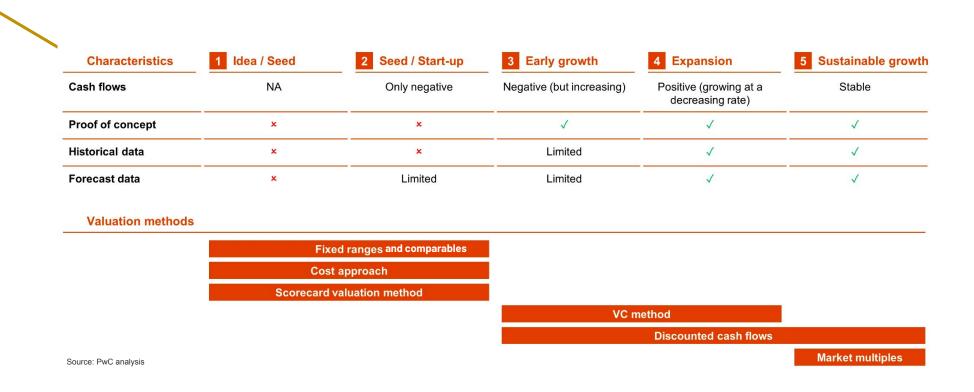
- 1. Valuations
- 2. Terms

HOW DO YOU REACH A FAIR VALUATION OF A STARTUP?

VALUATIONApproaches

- 1. Market Comparables and fixed ranges
- 2. Bottom Up Analysis (aka Cost approach)
- 3. VC Method (aka Counting backwards)
- 4. Dave Berkus Method (aka Scorecard approach)
- 5. Discounted Cashflow

Strongly Stage (and industry) dependent



1. Comparables - Valuation of similar companies at similar point in time

- Industry
- Geography
- Stage
- Sales + Sales Pipeline
- Roundsize
- Marketsize

1. Comparables - Typical fixed valuation ranges for a 2-4mio <u>Seed</u> round in Europe

Medtech seed round: 4-8 million

Hardware seed round: 4-12 million

Biotech seed round: 5-15 million

SaaS seed round*: 8-20 million

^{*}Revenues <1 mio CHF ARR

2. Bottom Up (Cost approach) - What would it cost to rebuild the company?



- How much money was invested? (equity, grants, etc.)
- How much time was invested?
- What assets does the company own?
 - Technology
 - Partnerships
 - Patents / Licenses
 - Clients / Users
 - Certifications / References
 - Team / Board / Advisors

3. VC Method (counting backwards) - Reverse engineer an assumed exit value



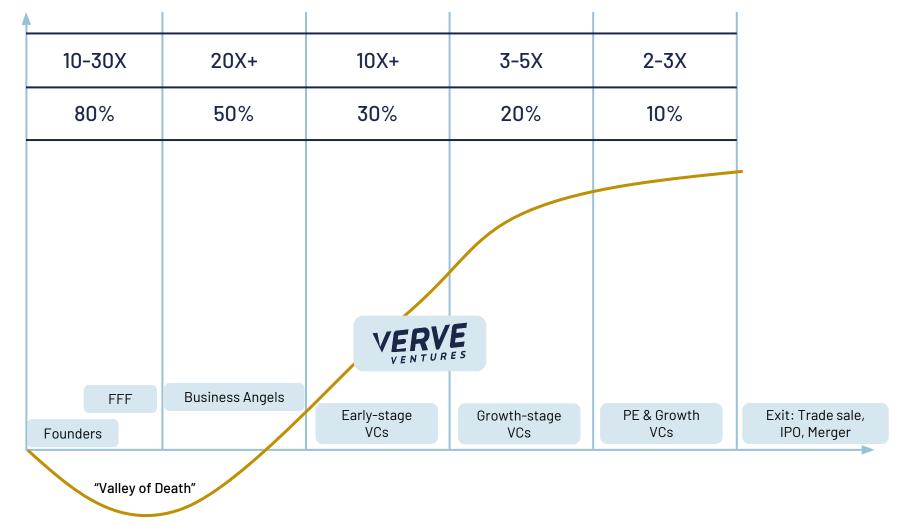
- This Method reverse engineers the valuation of a business to see if it has enough potential to yield solid returns.
- The basic principle underlying the model is the estimation of the exit value of the company and its subsequent discount for a high year-on-year return on investment (ROI)

For the Backward Calculation we assume, a potential investor would value the startup company at 10 mio and would invest 500k for 5% of the shares. This investor expects its exit with a factor of 10 in 5 years. So the 500k at exit should be worth 5 mio. This means, the startup company should vae a value of 100 mio in 5 years (5% of 100 mio is 5 mio).

3. VC Method (counting backwards) - Reverse engineer an assumed exit value

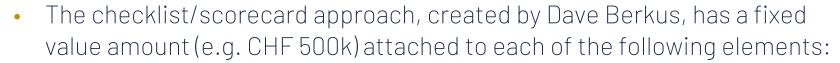
Multiple

Failure Rate



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4. Dave Berkus Method (Scorecard approach)



Characteristic	Score	Max val.	Value
Quality of Management Team	100%	CHF 0.5m	100%*0.5m= 500k
Sound Idea	80%	CHF 0.5m	80%*0.5m= 400k
Product and technology	100%	CHF 0.5m	100%*0.5m= 500k
Strategic Relationships	90%	CHF 0.5m	90%*0.5m= 450k
Product Rollout or Sales	50%	CHF 0.5m	50%*0.5m= 250k



• This method considers a startup individually, without taking into account market and competitive environment.

5. Discounted Cashflow (DCF) - Discount future cash flows to date



• The discount rate expresses the time value of money in DCF and can make the difference between whether an investment project is financially viable or not.

$$DCF = \frac{CF_1}{(1+r)^1} + \frac{CF_2}{(1+r)^2} + \frac{CF_n}{(1+r)^n}$$

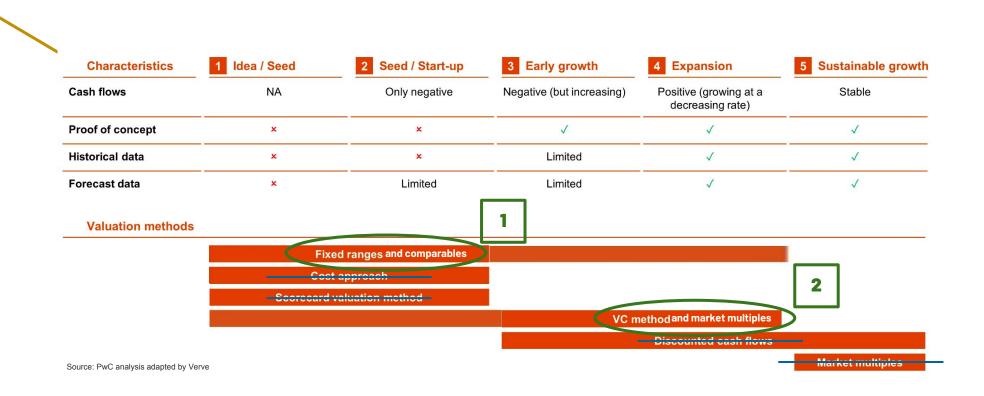
 CF_1 = The cash flow for year one

 CF_2 = The cash flow for year two

 CF_n = The cash flow for additional years

r = The discount rate

Strongly Stage (and industry) dependent



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Valuations are no science, they're an art



....check the that the assumptions of business and financial plan are reflective of the current and future business

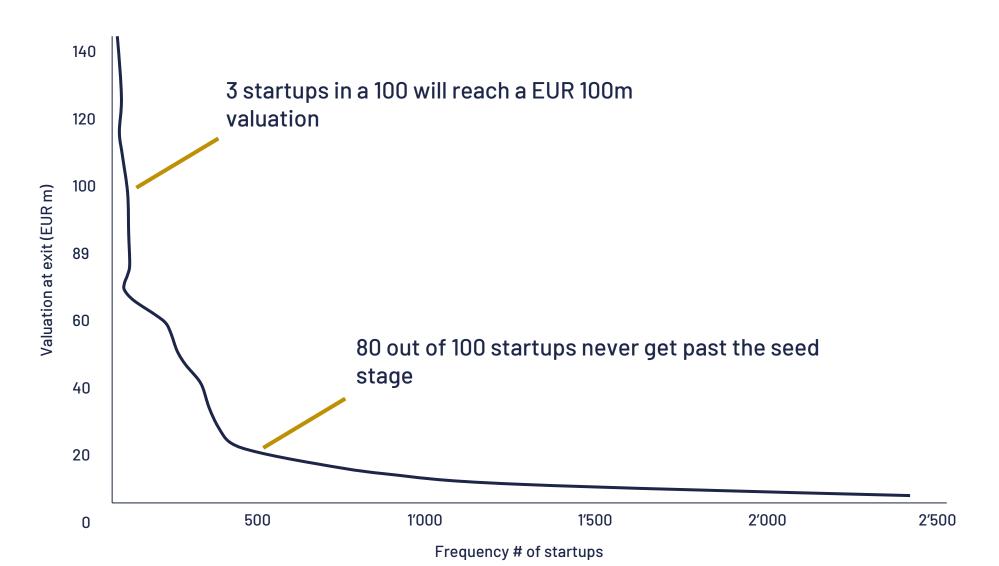
- USP and Defensibility
- Pricing and Business Model
- Market potential, dynamics and Pipeline (Customers)
- Resources to achieve the plan
- Stress-test the financials in scenarios (what-if)
- Value of a business at the time of the financing round is not equal the "valuation" (many other terms must be considered and valued)

Valuations are no science, they're an art



- Investor perspective?
 - As an early investor, do I make a good return in case of an exit?
 → VC Method
 - Don't underestimate the importance of supply and demand →
 fixed ranges and comparables quickly explode into hypes
- Founder perspective?
 - How strong is the dilution for founders?
- Common perspective?
 - We are setting the scene for the future (next round, exit, incentives, etc.). Everyone simply wants to get rich!

THE POWER LAW CURVE OF VENTURE CAPITAL



VALUATION IS ONLY ONE PIECE OF THE PUZZLE

TERMS

The most important terms in a Term Sheet



- Valuation (Share Price)
- Investment Amount
- Shareclass
- Liquidation Preference
- Anti Dilution
- Stock Option Plan (ESOP/PSOP)
- Drag Along
- Tag Along
- Board Composition
- Information requirements

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TERMS

Liquidation preference



Order in which shareholders are paid out in case of liquidity event

- Simple or multiple liquidation preference
- Participating & non-participating
- Strongly linked to negotiation around valuation

TERMS Pro-rata & anti-dilution

Pro-rata

Right to invest in order to maintain initial level of ownership percentage during later financing rounds

Anti-dilution

Investor protection in case shares are issued at a lower price in future rounds

Pay to play

Incentivizes investors to continue investing even when things are not going well

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TERMS

Drag-along, tag-along and right of first refusal

Drag-along

Provision requiring all shareholders to agree to a future acquisition if specified percentage of shareholders support the acquisition.

Tag-along

Provision allowing minority shareholders to sell their share if a majority shareholder is negotiating a sale for their stake.

Right of first refusal

Provision permitting existing investors in a company to accept or refuse the purchase of equity shares offered by the company.

TERMS

Drag-along, Tag-along & Right of first refusal



- Especially important to take a closer look at if strategic investor is also in the round
 - -> Avoid ROFR on acquisition

CONCLUSION

- For every round structure and terms are different
- Best practices vary by sector and stage
- Terms come as a package
- Valuation is only one element in the equation
- Importance of supply & demand

IN A GOOD ROUND, EVERYONE IS HAPPY THE END: FOUNDERS, NEW INVESTORS & EXISTINGINVESTORS

THANKYOU FORYOUR ATTENTION!

