



Venture Capital (Mis)Allocation in the Age of AI

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Overview

- Main message: Venture Capitalists (VCs) can improve on their startup company selection process using ML/AI techniques.
- VCs tend to overinvest in founders who are:
 - Male,
 - Highly-educated,
 - Paris-based,
 - In high-tech industries.

VC Perspective

- Results useful for VC investment decisions.
- Authors are careful to consider:
 - Investment set that is close(r) to the types of firms that draw VC interest.
 - Potential treatment effect of VCs
- Connection to outcomes is especially useful
 - Rich data
 - Operating performance

Performance Measurement

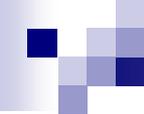
- Multiple operating outcome measures (exit, EBITDA, value-added).
- Correlates with VC outcomes – but how strongly?
 - Many VC exits are at a time when startups are still cash flow negative.
- What is the connection to actual investment returns?
 - Esp. given VC's preference for homeruns.
 - Note that many acquisitions are not homeruns
 - Is 5 years too short of a horizon?
- Returns also important to determine what is optimal policy for VCs - how many firms *should* be funded?

Society's Perspective

- All firms in the sample was funded (whether by VC or otherwise).
- What is the inefficiency?
 - Internal margin: Were some firms constrained in the *amount* of funding they could raise?
 - External margin: Which/how many firms were not able to raise funding at all?

Academic Perspective

- What are the *fundamental* drivers of future success?
- Covariates used include, e.g., startup being Paris-based or paying for external administrative and accounting services.
 - Correlated with omitted variables (Z in the paper).
- Even if only interested in predicting success, this matters:
 - Fundamental drivers are likely to be more stable over time.
 - Important given the short time-series (only testing on one cohort).
 - VCs are assumed to observe the omitted variables.



Conclusion

- Very promising paper, well-written, everyone should read.
- Clear implications for VC.
- Takeaways regarding the fundamental drivers of startup success less clear.