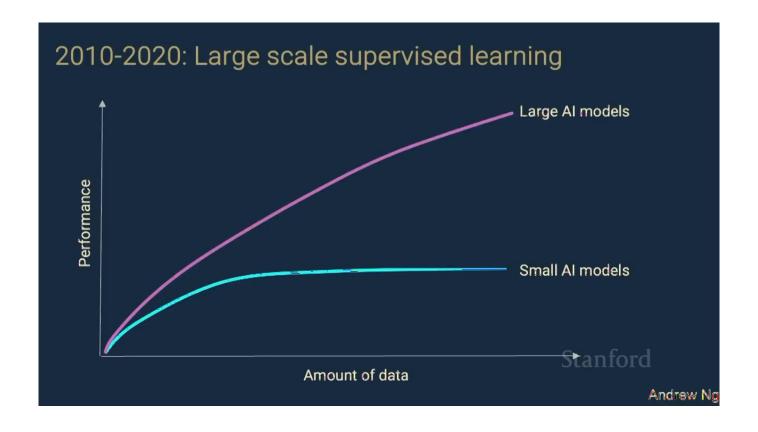
# Supervised Learning (labeling things) Input (A) Output (B) Application Email Spam? (0/1) Spam filtering



# This decade: Generative Al



## How it works

Generative AI is built by using supervised learning (A  $\Rightarrow$  B) to repeatedly predict the next word.



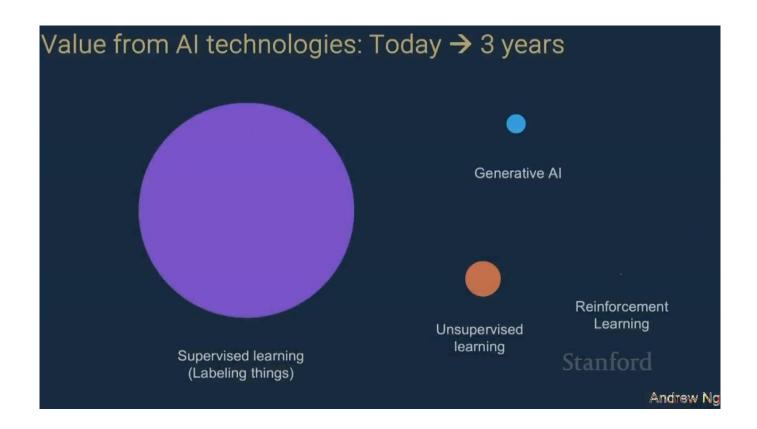
# Prompting is revolutionizing AI application development

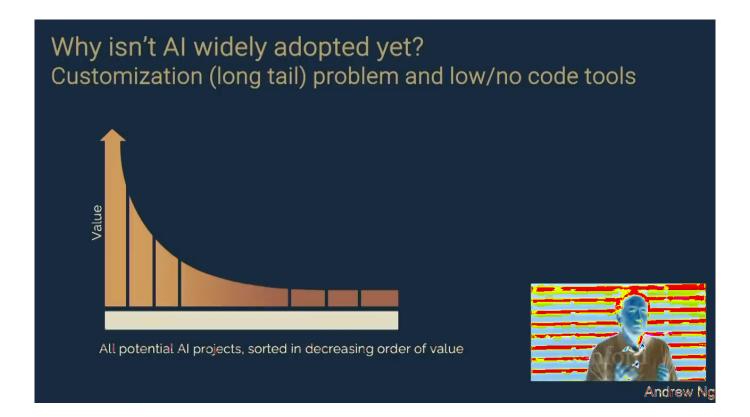
Supervised learning





Andrew No





# Why isn't AI widely adopted yet? Customization (long tail) problem and low/no code tools Ads Foot Wheat Maderial Inspection harvesting Grading

Andrew No

All potential Al projects, sorted in decreasing order of value

# Opportunity from a new general purpose technology

- Many valuable AI projects are now possible. How do we get them done?
- Starting new companies is an efficient way to do this.
- Incumbent companies also have opportunities to integrate AI into existing businesses.



# Opportunity from a new general purpose technology

- Many valuable AI projects are now possible. How do we get them done?
- Starting new companies is an efficient way to do this.
- Incumbent companies also have opportunities to integrate AI into existing businesses.





1 month

Market & technical validation by Al Fund team.

2 months

Recruit CEO to build with us ("Founder in residence").

Build w CEO Stage 3

3 months

Deep customer and technical validation. Build prototype.







Dylan Keil

Stanford

# 

# Process for building startups: Concrete ideas

Ideas Validate
Stage 1

Recruit CEO Stage 2 Build w CEO Stage 3 Pre-Seed Growth Stage 4 Seed, Growth, Scale Stage 5

### Not concrete:

Apply AI to financial services. (Or logistics, supply chain...).

### Concrete idea:

BuyGPT eliminates commercials by automatically buying every product in every ad, in exchange for not having to see any ads.

### Concrete ideas:

- Can be validated or falsified efficiently
- · Gives clear direction to execute
- Often from a subject matter expert who's deeply thought about a problem



# Risks of Al

- Al today has problems with bias, fairness, accuracy, .... But the technology is improving quickly.
- Al will disrupt many occupations.





[Credit: Eloundou et al., 2023]

## Risks of Al

- Artificial General Intelligence (Al that can do anything a human can do) is still decades away.
- All creating extinction risk for humanity is wildly overhyped.
  - Human society has ample experience steering very powerful entities (such as corporations and nation states).
  - Al develops gradually, and the "hard take off" scenario (where Al suddenly achieves superintelligence overnight) is not realistic.
- All is an important piece of the solution to the real existential risks to humanity (the next pandemic, climate change, ...).

Stanford