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The 30 Minute MBA

for Engineering Leaders

Emily Nakashima

SVP of Engineering, Honeycomb



THE SETUP

In 2020, I was promoted to VP Engineering



[Upcoming events](#)  



The Many Shapes of a VP of Engineering

Emily will talk about different archetypes that are common for the VP of Engineering role, how to assess what type your organization needs, and how the role can evolve over time.

Candidly, I wasn't sure I was ready.

I interviewed dozens of VPs of Engineering and CTOS to prepare.

I also gave a LeadingEng talk on this topic!

THE SETUP

Senior eng leaders only *occasionally* failed at the job for technology reasons

More common failure modes:

- ▶ They failed to fully understand the business & overall strategy
- ▶ They failed to build strong relationships with new stakeholders (marketing, sales, finance, accounting, operations)
- ▶ They were sidelined and left out of big decisions

I wanted to keep a seat at the highest table. How?



Should I get an MBA?



MBA vs. independent learning

EXECUTIVE MBA

~\$200,000 for top programs

~3 days off work per month

Low effort, high reward networking

INDEPENDENT LEARNING

Free and/or much less expensive

Flexible pace but requires lots of discipline

DIY networking

"Everything you could learn in biz school you can learn without school"

- Jeff Gray, former Honeycomb COO





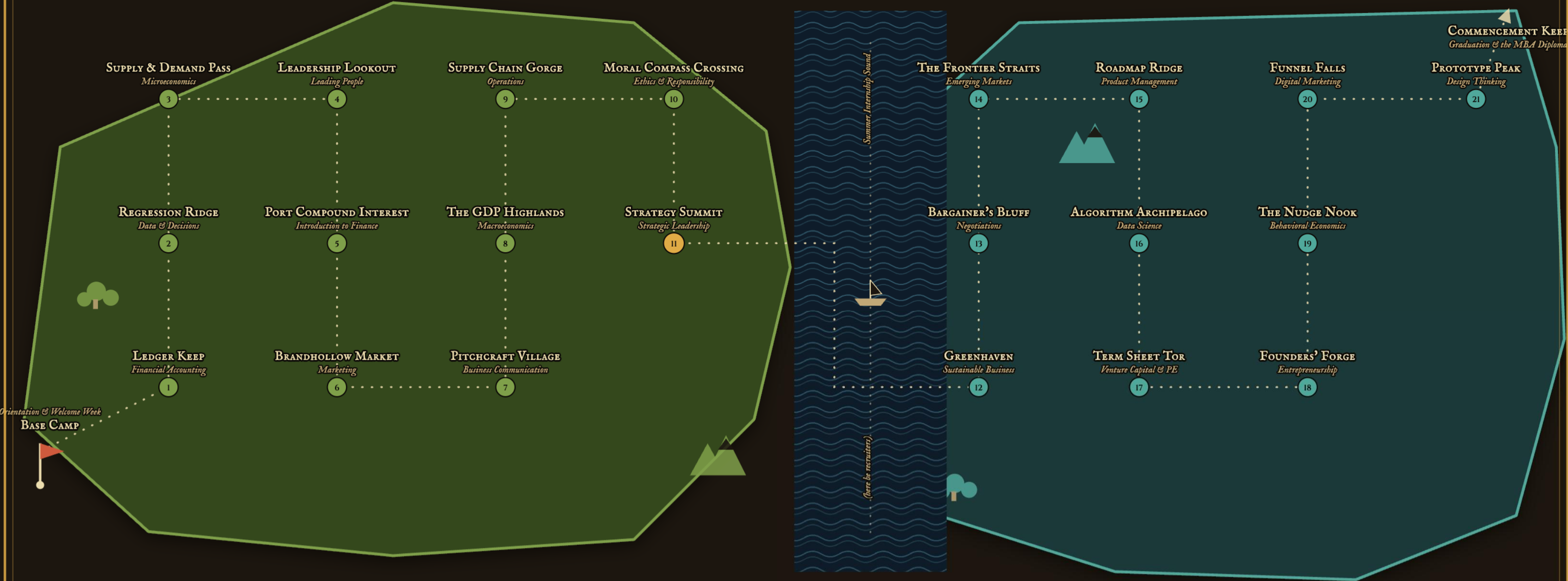
THE MBA OVERWORLD

a two-year quest through business school



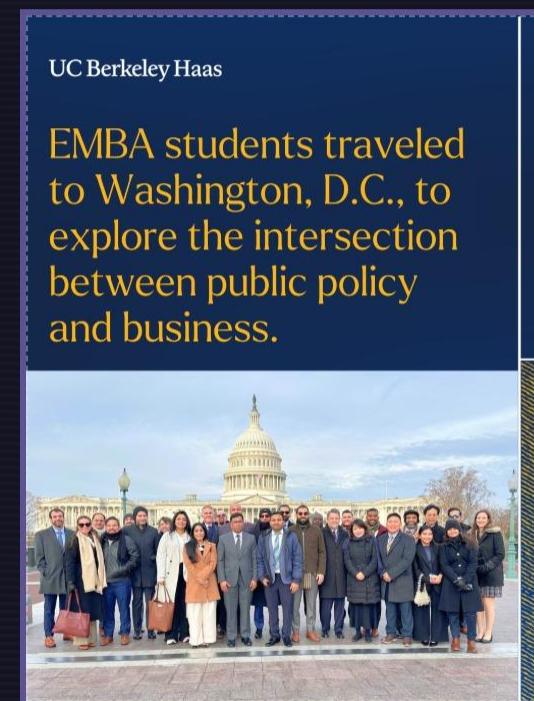
YEAR ONE · THE CORE LANDS

YEAR TWO · THE ELECTIVE WILDS



THE SETUP

I went for it!



What do you actually learn in an MBA?

YEAR ONE core · all required

Financial Accounting	Corporate Finance
Microeconomics	Macroeconomics
Data & Decisions	Operations
Marketing	Leading People
Ethics	Leading Organizations
Strategy	

YEAR TWO electives · illustrative examples

Negotiations	Sustainable Business
Product Management	Data Science for Business
Emerging Markets	Venture Capital & Startups
Pricing Strategy	Portfolio Management
Behavioral Finance	Power & Politics

While grad school is usually about specialization, an MBA is *generalist*

SPECIAL DELIVERY

My Top MBA Takeaways



Top 3 MBA Tools



01

Time value of money

Understanding interest rates and why "later" costs more than it used to



02

Think like finance

How to think like accounting and finance, and what each cares about



03

Negotiations

The theory behind pitching what you want and finding win-wins

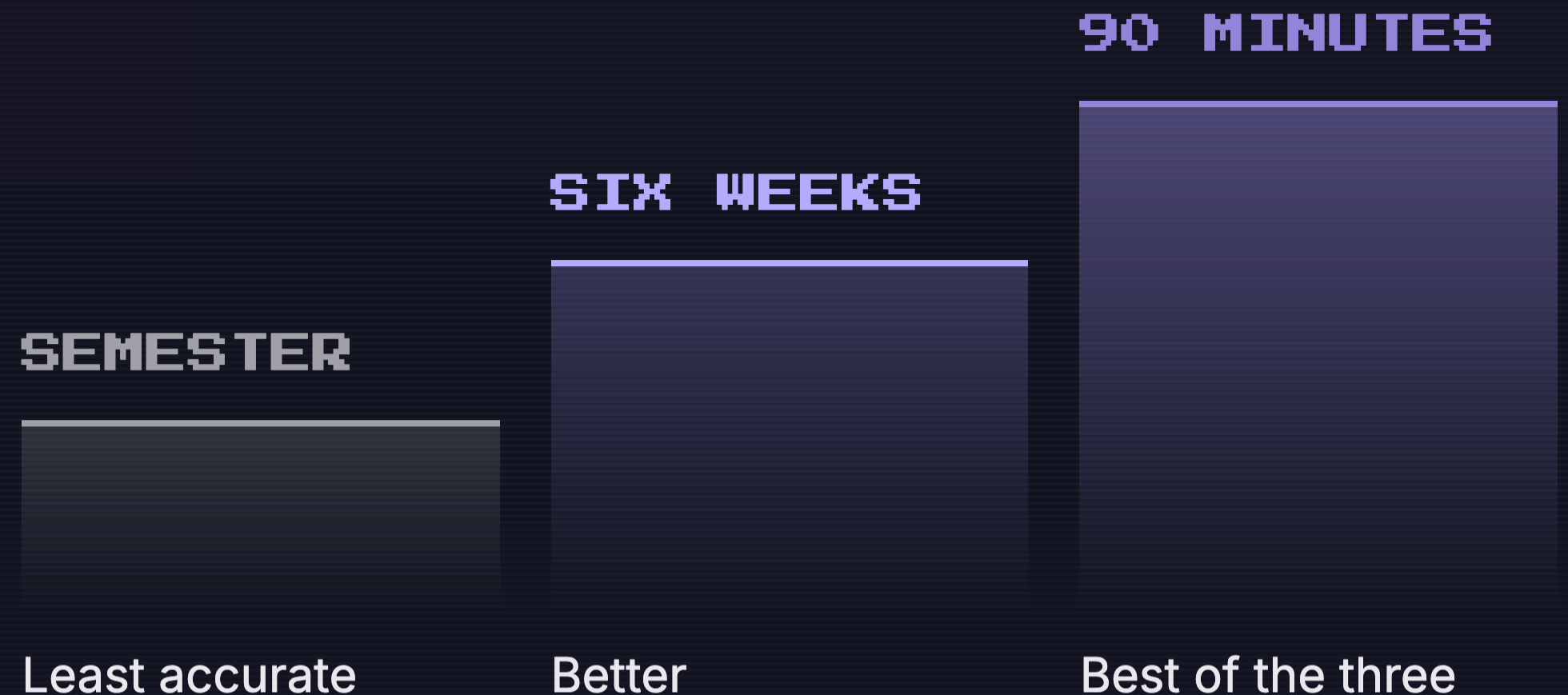
DON'T I NEED TWO YEARS TO LEARN ALL THIS?

Sometimes less is more. A little theory goes a long way.



Michael Raynor taught Clayton Christensen's theory of disruptive innovation in three formats, then asked students to predict which anonymized startups would succeed.

Accuracy went *up* as class time went down
(Statistically significant and material differences)



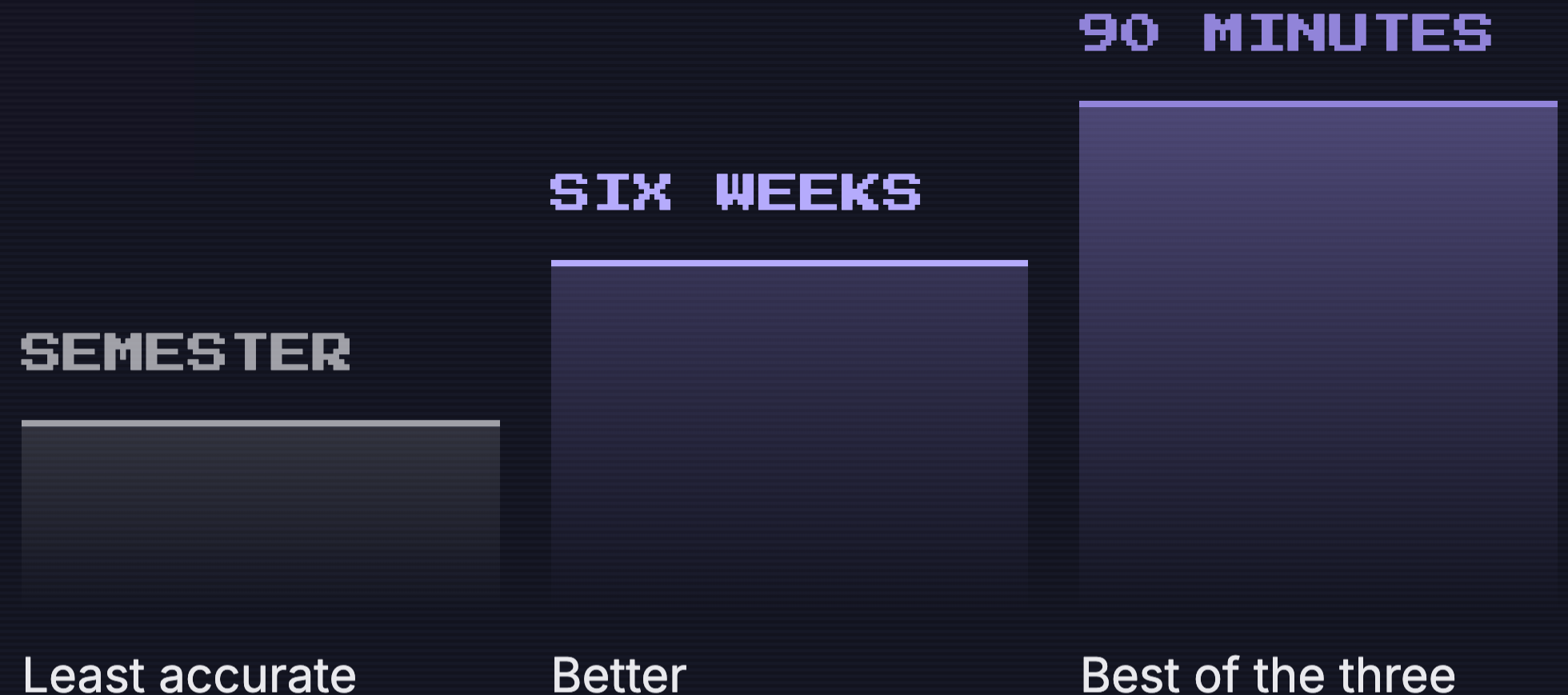
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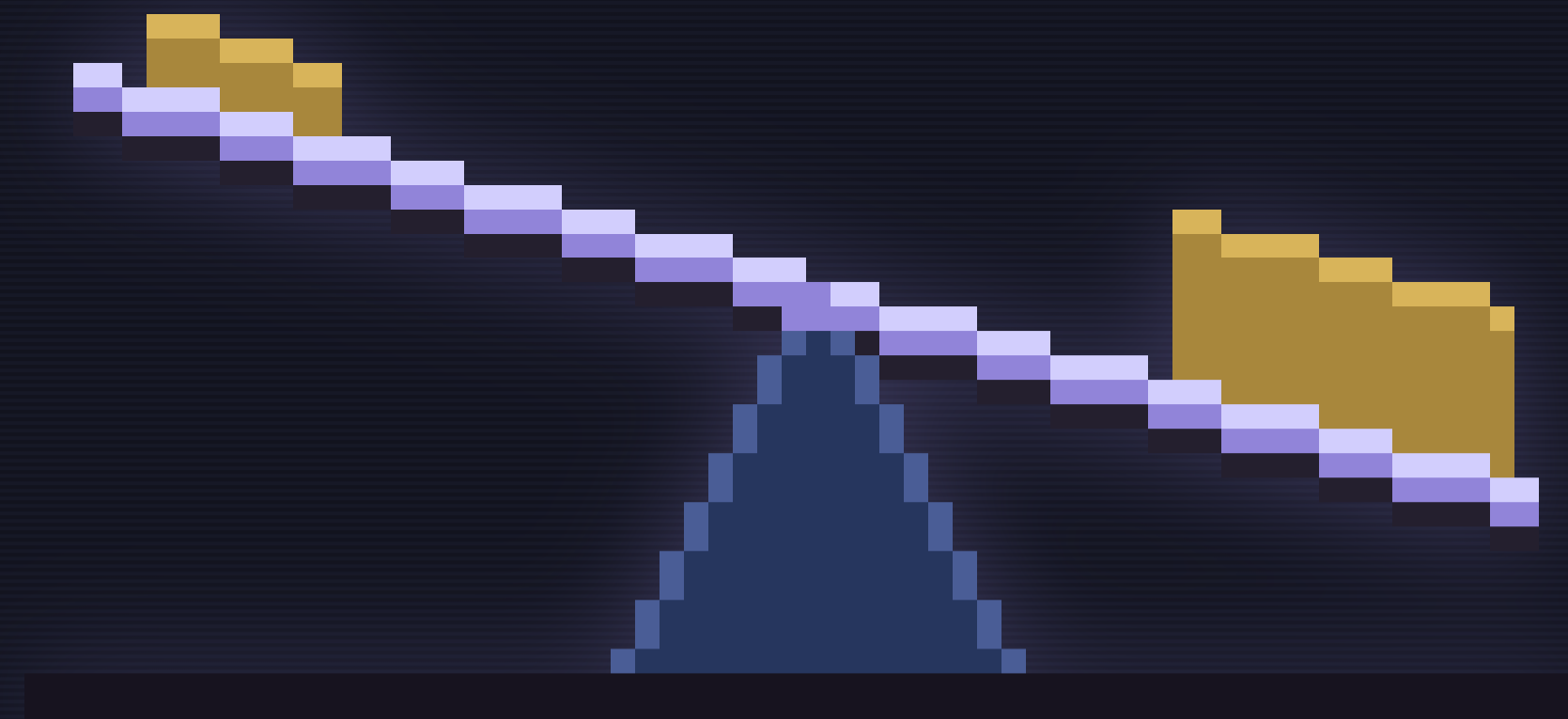


WHY IS THIS?

Explanatory power & predictive power can be at odds

PREDICTIVE POWER

EXPLANATORY POWER



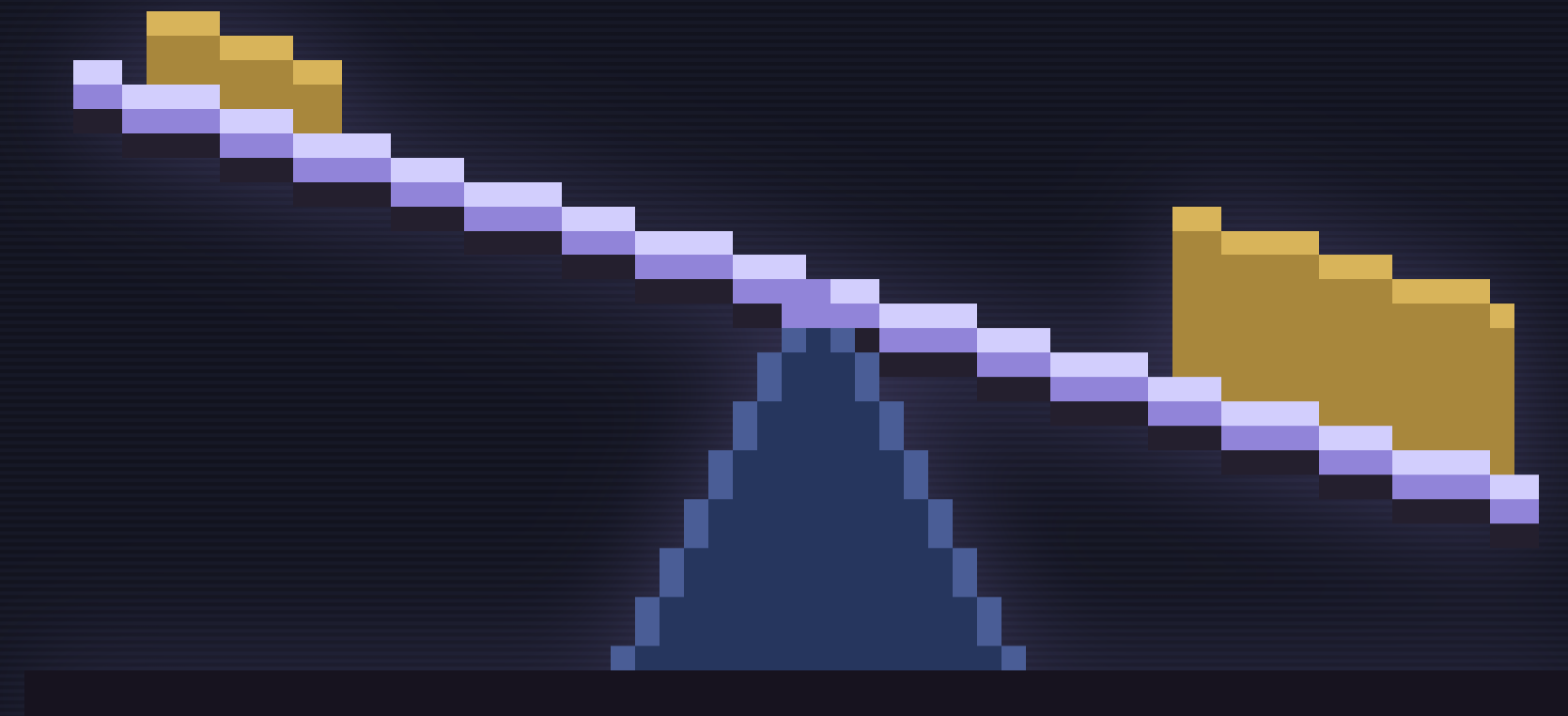
Deeper knowledge explains more, but may encourage us to underweight the simple mechanics that made the model predictive.

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LEVEL 1

Time Value of Money

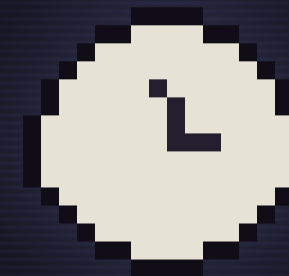
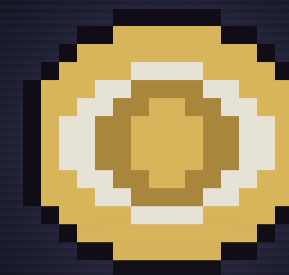


01 · TIME VALUE OF MONEY

What's the difference between \$1 today and \$1 in a year?

Capital (usually) costs something to hold. This is the "discount rate."

- ▶ Our work costs now and pays back later.
- ▶ Value that arrives later is worth less today.
- ▶ Interest rates determine *how much less*



01 · TIME VALUE OF MONEY

One formula to know: Future Value (FV)

$$FV = PV \times \left[1 + \frac{i}{n} \right]^{n \times t}$$

PV

Present value: what the money is worth today

i

The interest rate (the price of waiting)

n

Times it compounds per period (e.g. a year)

t

Time periods to wait

We should not invest in any project with an FV *lower* than PV.

01 . TIME VALUE OF MONEY

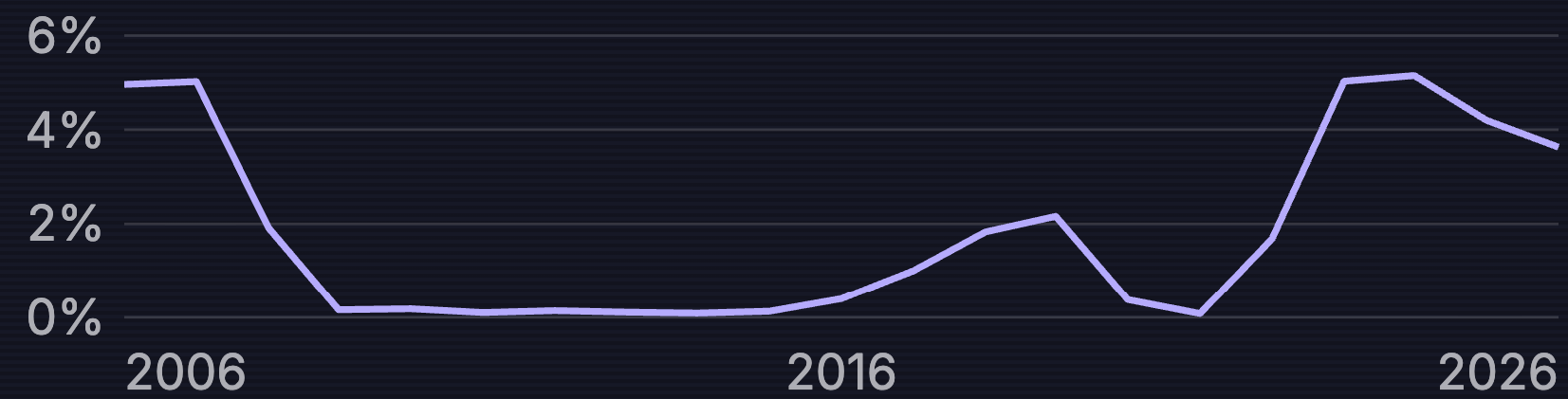
How do we know what
interest rate to use?

$$r = ?_$$

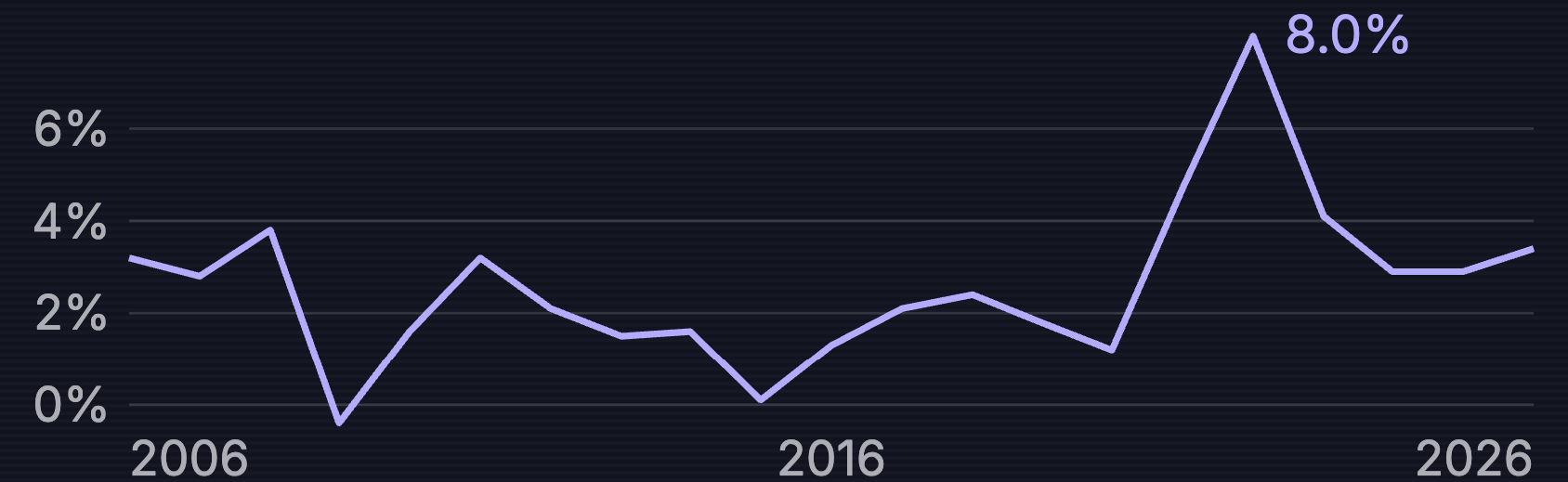
01 · TIME VALUE OF MONEY

Our internal % will rise & fall with public rates (but higher)

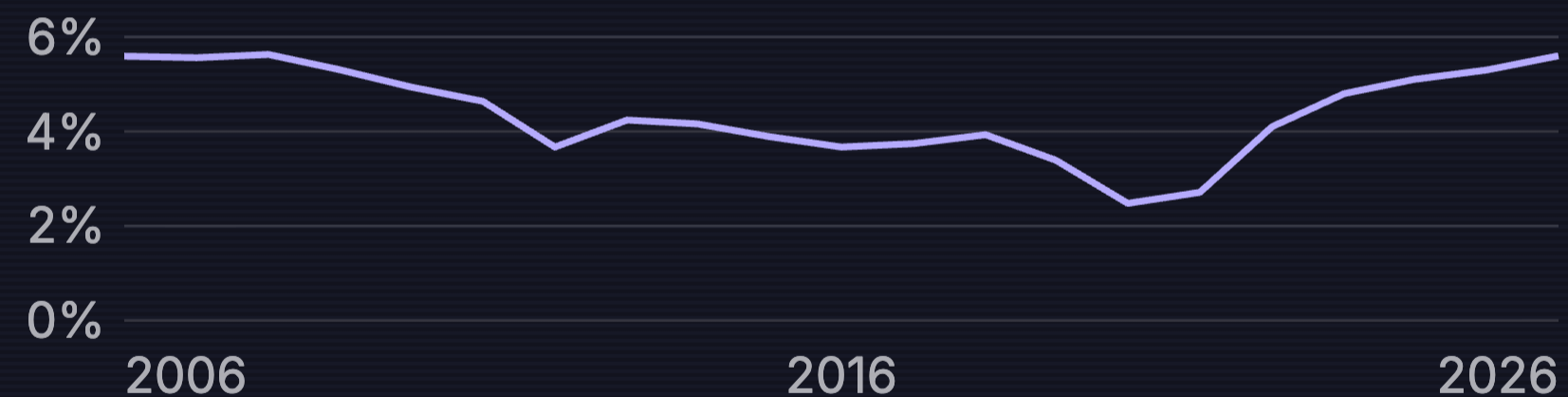
Fed funds rate policy · now 3.6%



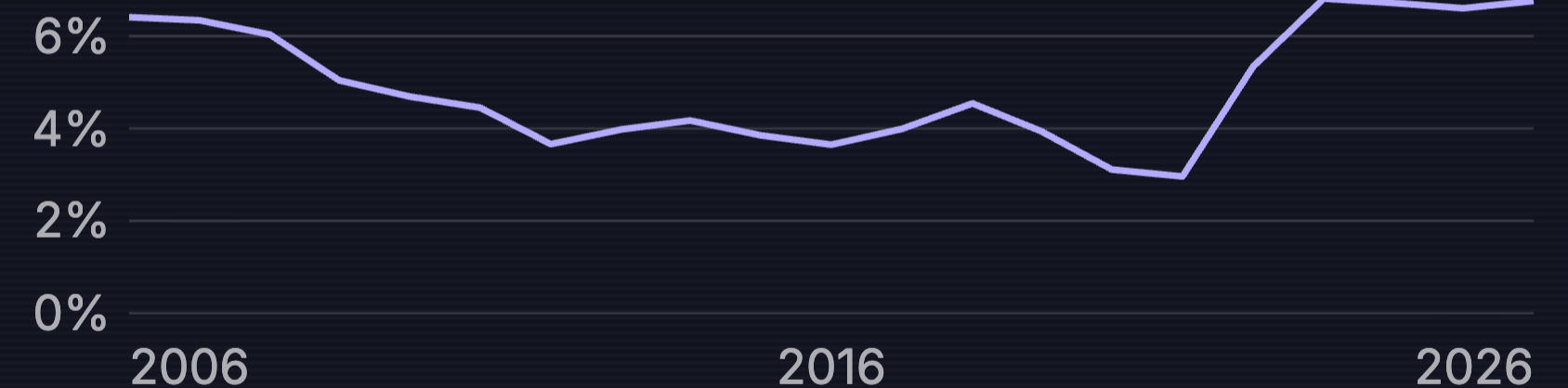
U.S. inflation (CPI) year over year · now 3.4%



Corporate bond yield Moody's Aaa · now ~5.6%



30-year mortgage Freddie Mac · now 6.8%



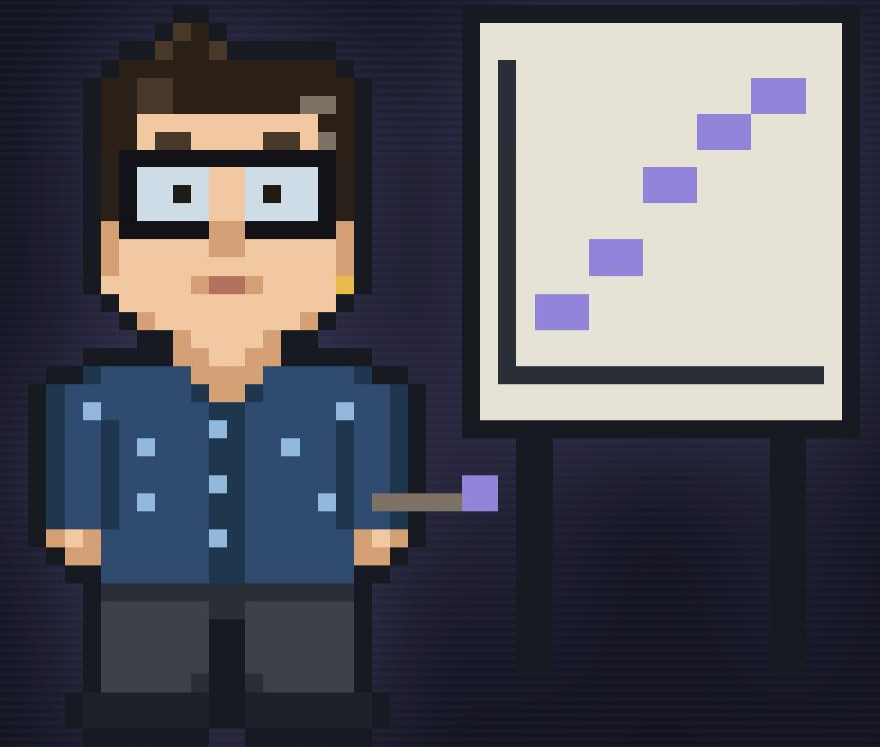
Follow interest rates and
accurately predict the future



01 · TIME VALUE OF MONEY

One example: AI and hiring

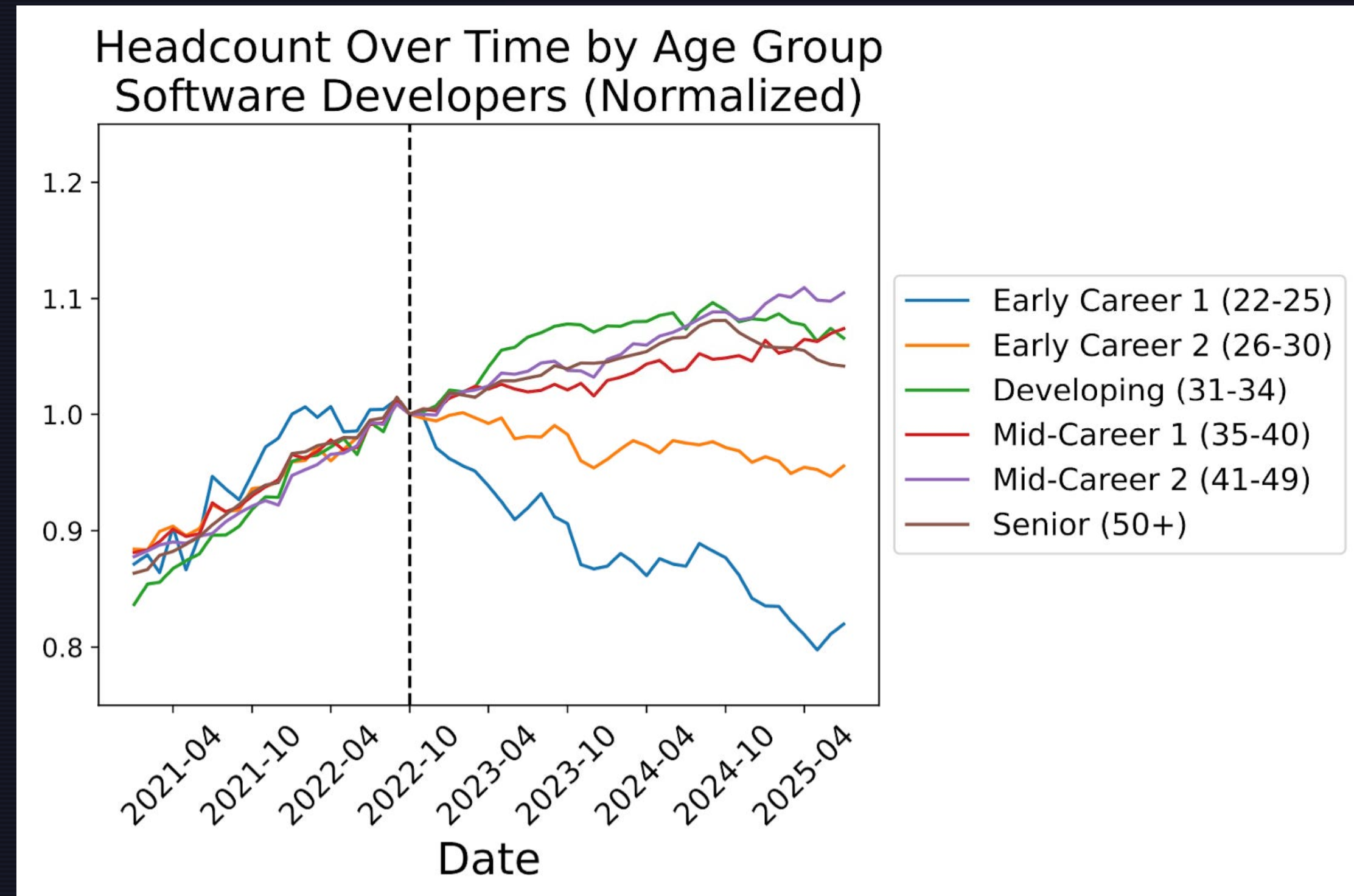
In 2022, hiring began to slow down. Why?



01 . TIME VALUE OF MONEY

Did you see this
chart on LinkedIn?

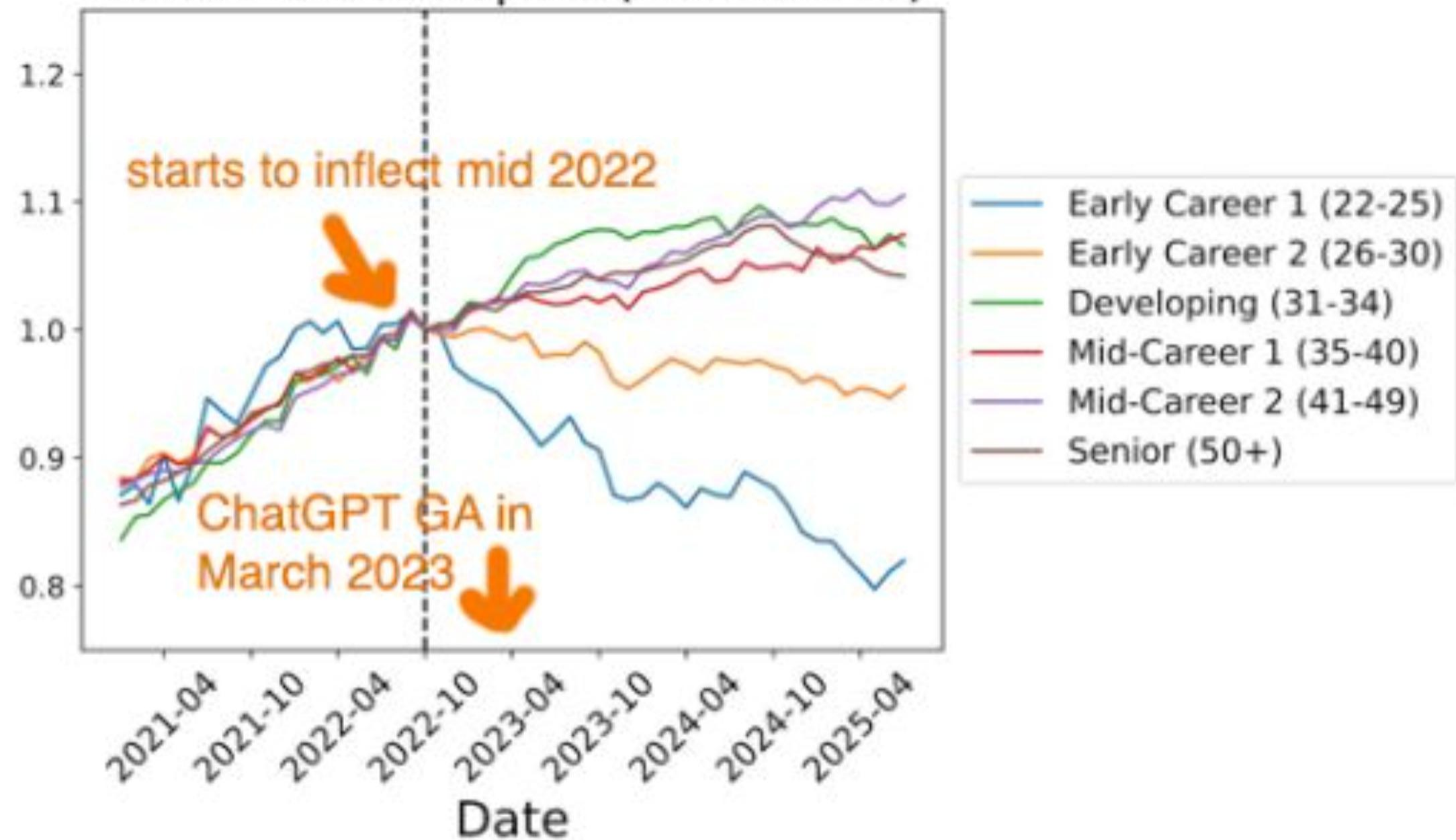
"AI is killing jobs!"



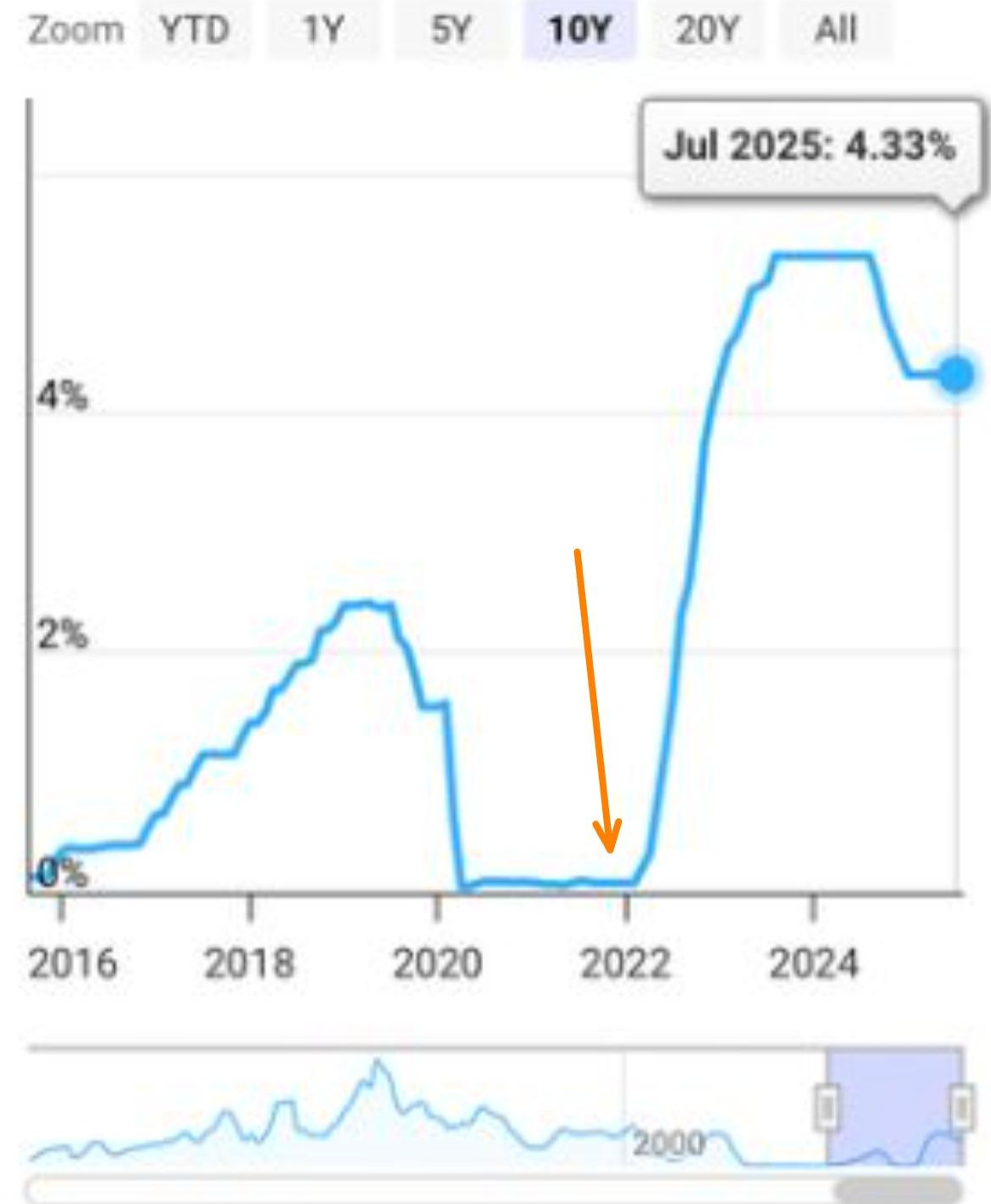
01 . TIME VALUE OF MONEY

Change in Hiring

Headcount Over Time by Age Group
Software Developers (Normalized)



Historical Interest Rates



01 . TIME VALUE OF MONEY

For VC-backed companies, a predictable shift

STEP 01

Rates rise

Risk-free returns
increase.

STEP 02

LPs re-weight

Pensions and
endowments compare
VC to that number.

STEP 03

VC slows
deployment

Less capital committed
to VC.

STEP 04

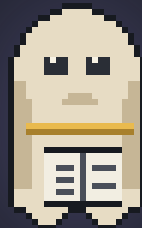
Reqs disappear

LEVEL 2

Think Like Finance



Know the difference: Accounting vs. Finance



ACCOUNTING

"The ghost of Christmas past and present"

More backward-looking: measurement, verification, categorization.

- Cares about: was it counted correctly, in the right period, under the right rules?
- Accountable for: quarter/year close, audit, filings, capitalization policy.
- Allows us to: understand how the business is doing; accurately report out to investors, stakeholders, IRS.



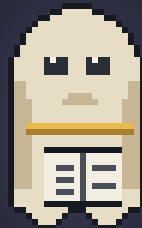
FINANCE

"The ghost of Christmas yet to come"

More forward-looking; plans and makes investments & evaluates results.

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Know the difference: Accounting vs. Finance



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02 . THINK LIKE FINANCE

Where I went wrong: pitching new headcount

Why was finance not approving my SRE headcount requests?

- ▶ Reliability and toil can sound like a cost.
- ▶ I focused on why headcount was needed, not showing the return.



02 · THINK LIKE FINANCE

How I got to "yes"

SHOWED

What the SREs would actually do

We added some cost optimization projects to the reliability roadmap.

SHOWED

When the savings land

We modeled how their work would pay off in cost reduction.

SHOWED

What it is worth today

Same request, different focus.

02 . THINK LIKE FINANCE

What Finance Is Actually Asking

"Why is AWS spend up 20%?"

| Is this real business growth, or is it waste?

"When does this work yield results?"

| Have you considered the time value of money?

"Could we do it with 10% less?"

| How granular is your model/thinking?
What are the error bars on our math?

LEVEL 3

Negotiations



03 · NEGOTIATIONS

Negotiator stereotypes will lead you astray

TV and movies make you think good negotiators are pushy, angry, and relentlessly stubborn.

Does this work? *No.*



03 • NEGOTIATIONS

Here's what is *actually* required to get to “yes”

#1 Your counterparty must *like* you — or at least not actively dislike you.

#2 They must think you *deserve* what you're asking for.

#3 They must have the power (internally) to *act on* your asks.

03 · NEGOTIATIONS

Negotiating with software vendors

We needed to buy an AI software license. The number quoted was 10x my expected price, for no good reason.

How could I fight a proposal that seemed to make no sense?



03 • NEGOTIATIONS

Negotiations have three overlapping flavors

INTEGRATIVE

Growing the pie

We value different negotiation elements differently. Can we find pieces that you value receiving more than I value giving up?

e.g. term length, scope, timing, references, marketing.

DISTRIBUTIVE

Splitting a fixed pie

In these negotiations, every dollar I gain is exactly a dollar you lose.

Try to avoid framing negotiations this way when possible.

RELATIONSHIP

Playing a repeated game

You'll face this vendor, peer, or partner in the future.

Keeping the relationship positive may be worth giving up value for.

Grow the pie, *then* split the gains



03 · NEGOTIATIONS

I was able to negotiate down by over 50%

STEP 01

Gave real reasons for pushing back on the price

STEP 02

Got into integrative mode: suggested elements that were cheap for us and dear to them.

STEP 03

Got creative on time and terms

03 · NEGOTIATIONS

Know Your BATNA

BATNA

"Best alternative to negotiated agreement," aka what happens if you walk away



- ▶ Identify your BATNA before the conversation starts.
- ▶ Do whatever you can to improve it.
- ▶ Guess at theirs. It explains most of their behavior.
- ▶ Try not to bluff. Get caught once, never be believed again.

You might be asking...



CONCLUSION

Do I need to learn business stuff?
Can't I just ask AI now?

AI makes a business education *more* valuable

- ▶ AI is reshaping roles and turning all of us into mini-GMs
- ▶ Now, it's our judgment, values, and creativity that set us apart



THANK YOU

These disciplines shape
our work whether we
understand them or not.

Be one who understands!

Emily Nakashima

SVP of Engineering, Honeycomb

QUESTIONS? Find me at the break!

