

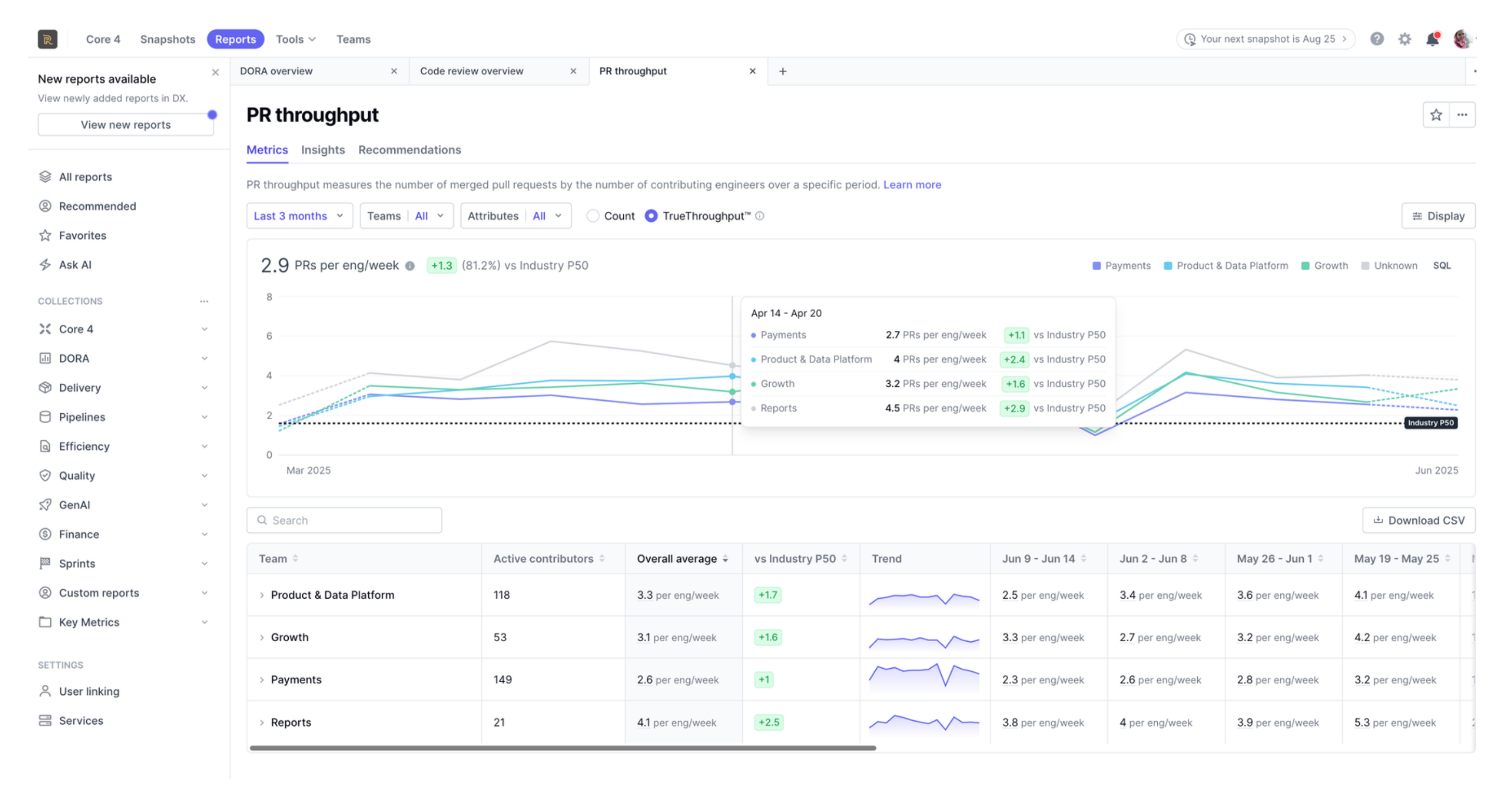
Better Software

FASTER

Leading in the age of AI



Laura Tacho, CTO @ DX
getdx.com



How much faster
can we go with AI?

It's about improving
the system

AI is about better
devex, not about more
lines of code

AI

Anthropic CEO says AI could wipe out half of all entry-level white-collar jobs

By [Ana Altchek](#) and [Sarah Perkel](#)

Microsoft CEO says up to 30% of the company's code was written by AI

During a fireside chat with Meta CEO Mark Zuckerberg at Meta's LlamaCon conference on Tuesday, Microsoft CEO Satya Nadella said that 20% to 30% of code inside the company's repositories was "written by software" — meaning AI.

AI Is Already Writing About 30% of Code at Microsoft and Google. Here's What It Means for Software Engineers.

Big Tech is spending tens of billions of dollars on AI infrastructure.

Meta-CEO Zuckerberg: "AI will write better code than developers"

AI

Anthropic's CEO says that in 3 to 6 months, AI will be writing 90% of the code software developers were in charge of

Expectations vs reality



Data beats hype

AI can be
transformative

“The hype around AI is in many ways the biggest barrier for adoption.”

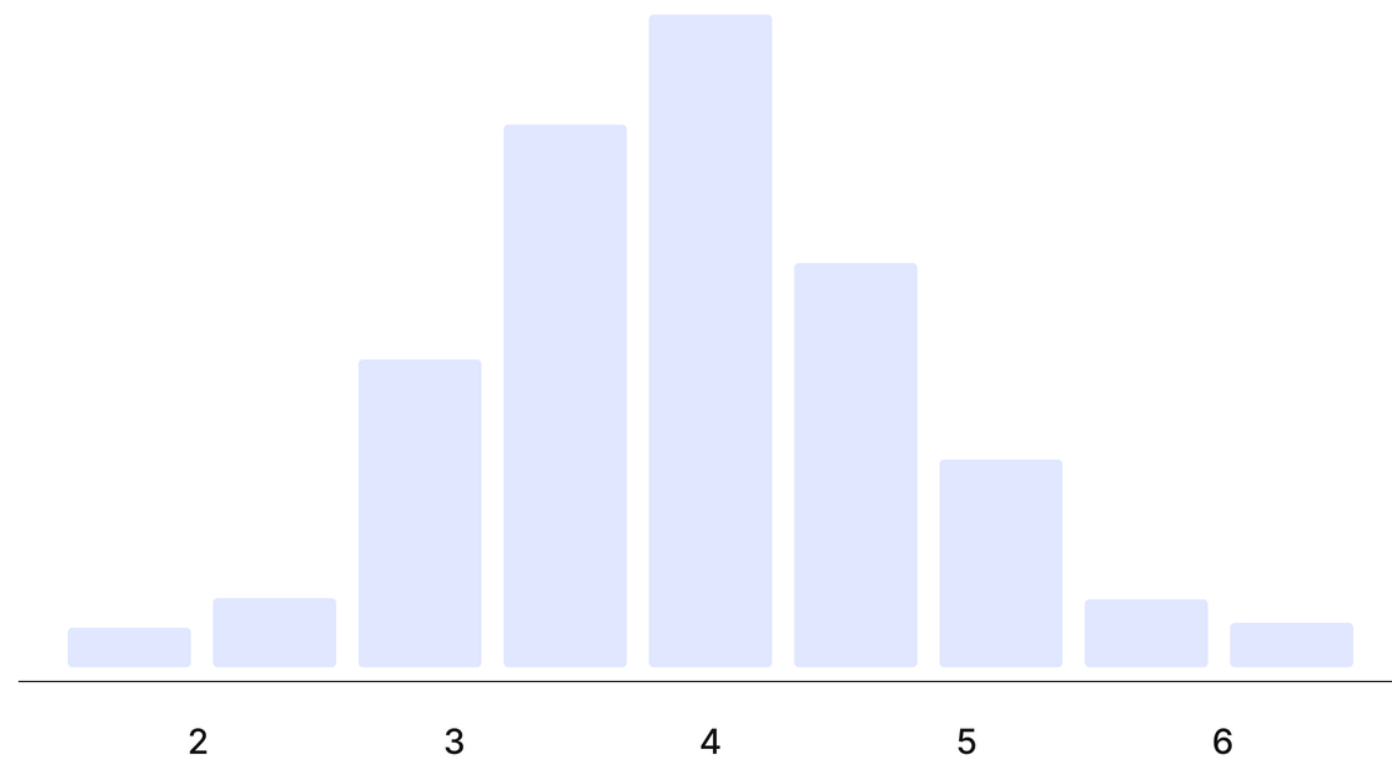


Brian Houck, SPACE framework co-author



Right now, advanced
organisations have
around 60% adoption

Hours saved per developer/week



Based on 38,880 developers across 184 orgs — **DX**

Average
3.75 hours/week

data from H12025

You have a hard job
to do as an
organisational leader

1. Have a common definition of engineering performance
2. Know how AI is changing that performance, and why

Many of us still feel
like we're guessing

It's your job to educate

What does it actually
take to build
better software faster?

AI accelerates these fundamentals

Protect your org from
delayed damage

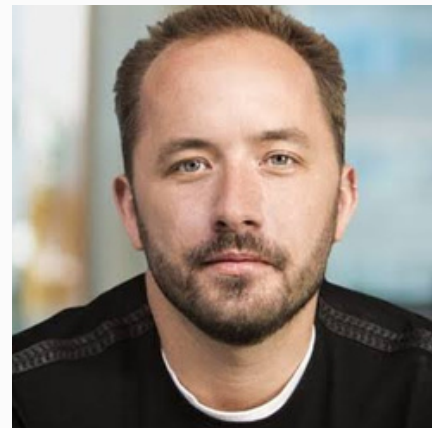
Align the org on a
definition of excellence

DX Core 4

	Speed	Effectiveness	Quality	Impact
Key metric	Diffis per engineer* (PRs or MRs) *Not at individual level	Developer Experience Index (DXI) Measure of key engineering performance drivers, developed by DX	Change failure rate	% of time spent on new capabilities
Secondary metrics	Lead time Deployment frequency Perceived rate of delivery	Time to 10th PR Ease of delivery Regrettable attrition* *Only at organizational level	Failed deployment recovery time Perceived software quality Operational health and security metrics	Initiative progress and ROI Revenue per Engineer* R&D as % of revenue* *Only at organizational level



“Core 4 gives you a much more cohesive picture of what’s happening in your organization.”



Drew Houston, co-founder and CEO



Developer experience
is operational leverage

20% of time is lost
due to friction

DXI

Correlation between Developer Experience Index (DXI) and key business outcomes
n=514

Efficiency (time loss) 0.79

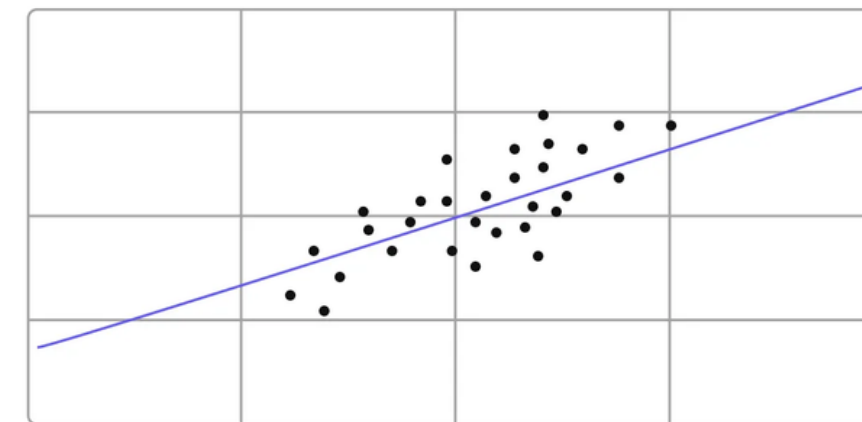
Engagement 0.61

Software quality 0.56

Speed 0.54

Ease of delivery 0.52

DXI vs time loss



Each one-point gain in DXI score correlates to 13 minutes per week of developer time saved.

Block identified
500,000 hours to save

“These improvements helped us move faster without sacrificing quality or focus.”



Azra Colburn, Head of DevEx

BLOCK

Easy to deploy, even
on your own

Core 4 Survey Template



Industry Benchmarks

Diffs per engineer

The number of pull requests merged each week, per engineer, excluding pull requests that are created by bots.

All

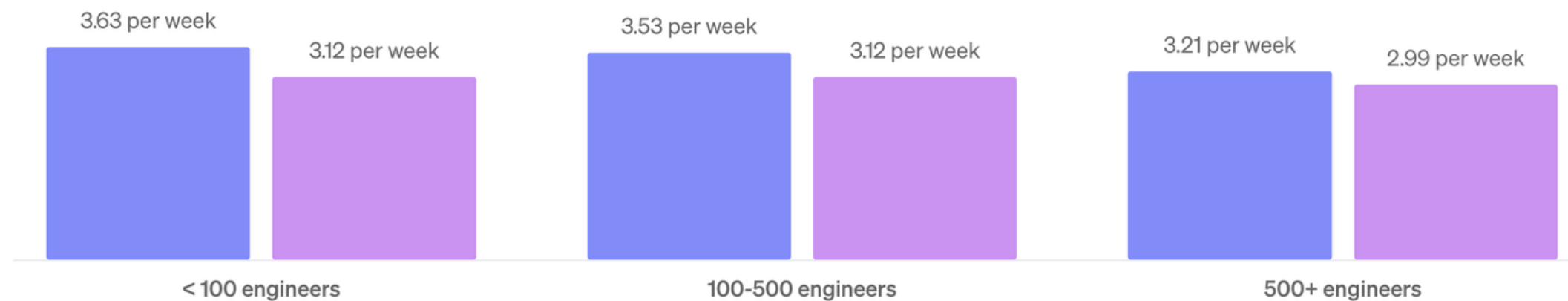
Tech

Non-Tech

P50

P75

P90



AI provides uplift to all
Core 4 dimensions

We need specific
measurements for
AI impact

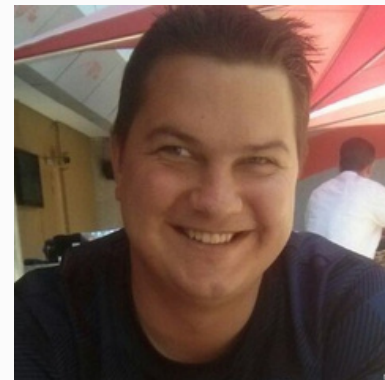
The AI Measurement Framework™

AI Measurement Framework™

Utilization	Impact	Cost
How much are development teams adopting and utilising AI tools?	How is AI impacting engineering productivity?	Is our AI spend and return on investment optimal?
• AI tool usage (DAUs/WAUs) • Percentage of PRs that are AI-assisted • Percentage of committed code that is AI-generated • Tasks assigned to agents **	• AI-driven time savings (developer hours/week) • Developer satisfaction • DX Core 4 metrics, including: ◦ PR throughput ◦ Perceived rate of delivery ◦ Developer Experience Index (DXI) ◦ Code maintainability ◦ Change confidence ◦ Change fail percentage • Human-equivalent hours (HEH) of work completed by agents **	• AI spend (both total and per developer) • Net time gain per developer (time savings - AI spend) • Agent hourly rate (HEH/AI spend) **



“It showed us where to focus and helped us get way more impact out of the tools, both in how deeply and widely they’re being used.”



Zane Wright, DevEx Team

Booking.com

3500 engineers

65% higher adoption

150k hours saved

Core 4 & AI Measurement Framework™

Leaders have the
right data, and can
adapt quickly

AI will help you
build better
software faster



Your next steps

- Start using Core 4
- Identify bottlenecks and points of friction
- Align on a common definition of excellence
- Use the AI Measurement Framework™ for better conversations about AI

OFFICE HOURS 12:45 today

**MEASURING AI
TABLE TALK** 12:45 today

**MEASURING AI
DIRECTOR+ ROUNDTABLE** 11:30 tomorrow