

Python Powered People

Bringing the power of tech to the masses

Charlie Beeson

5th December 2023 – LeadDev Berlin

I will be using **Slido.com**
with the code: **LeadDev**
Join now!



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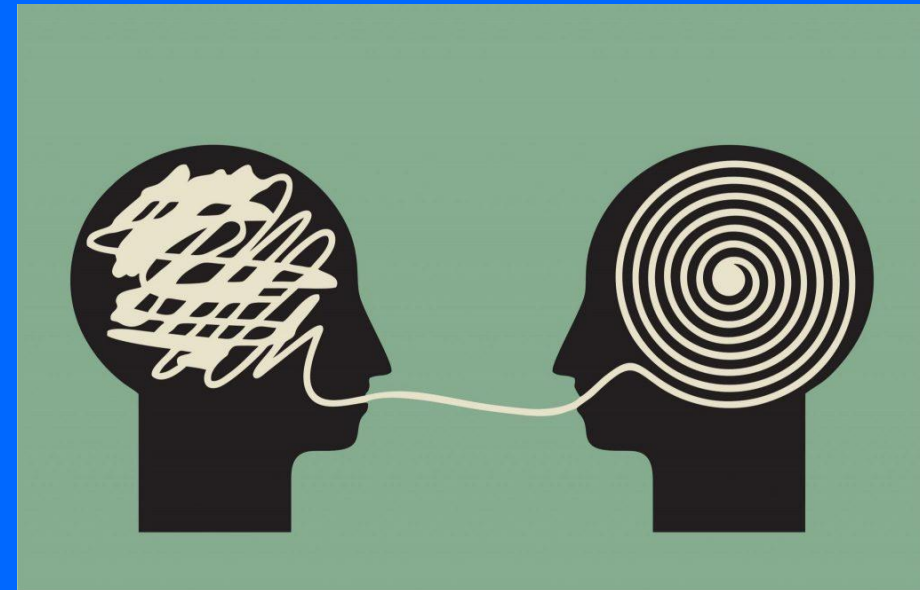


Technical Literacy

A siloed skillset



Or a shared mindset?

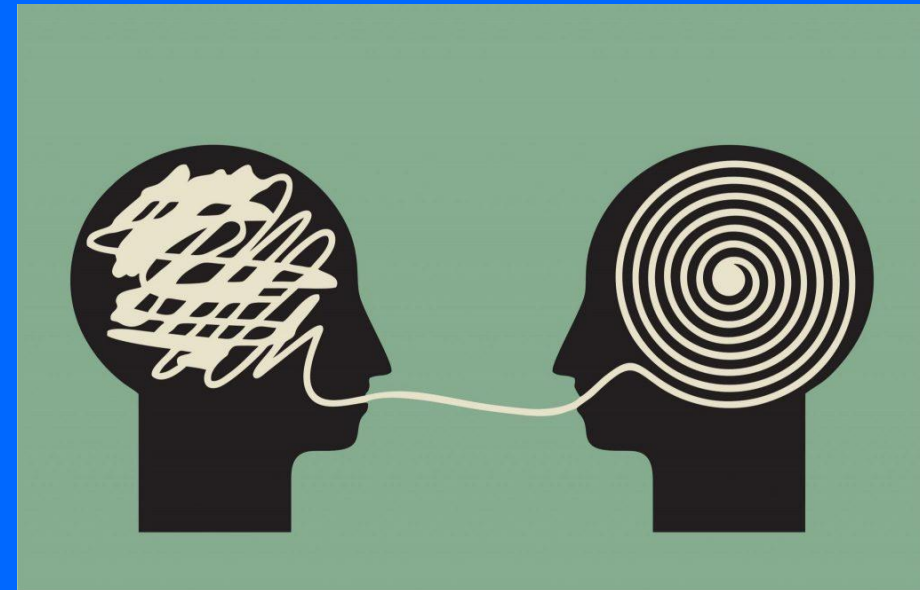


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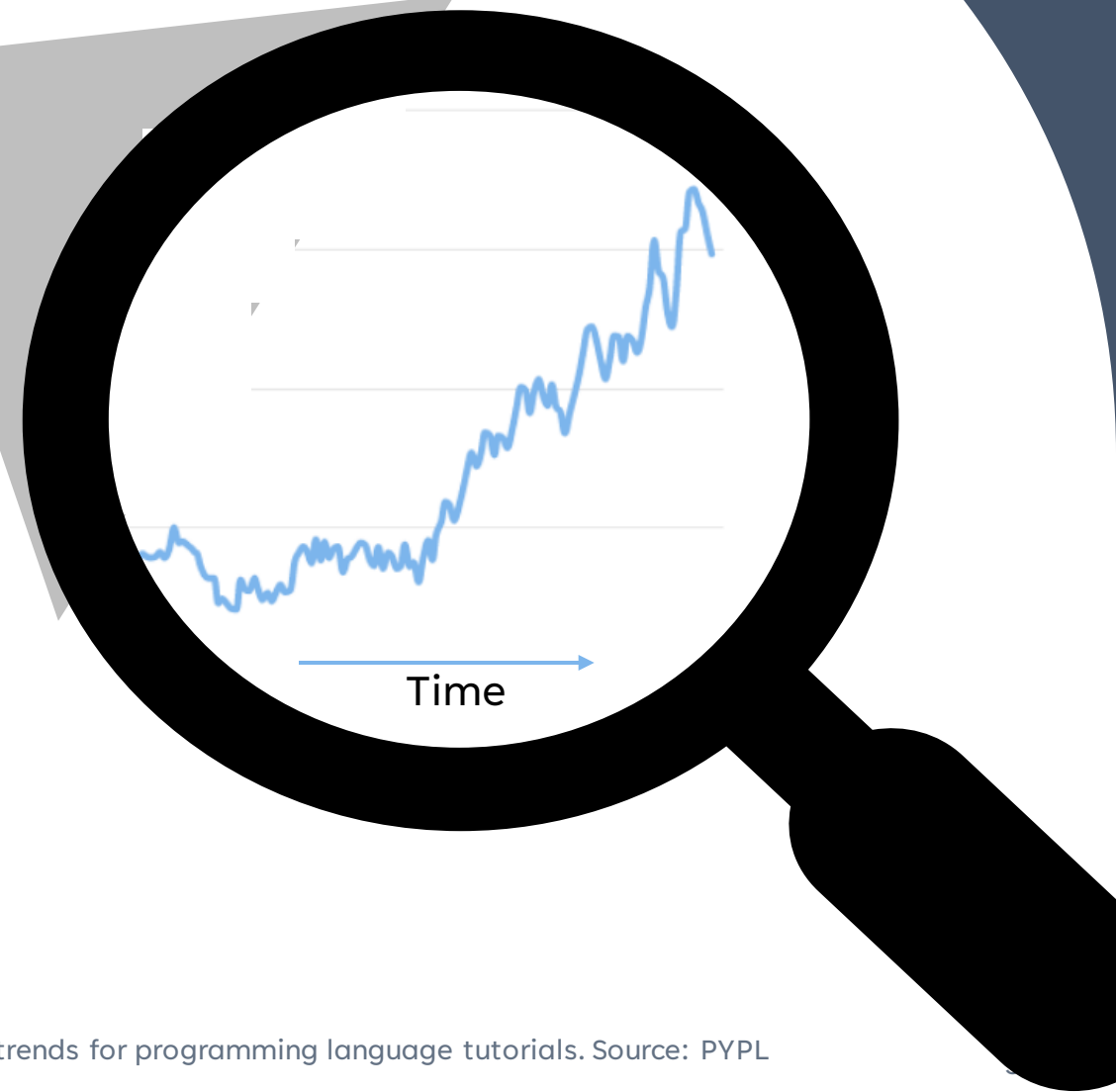
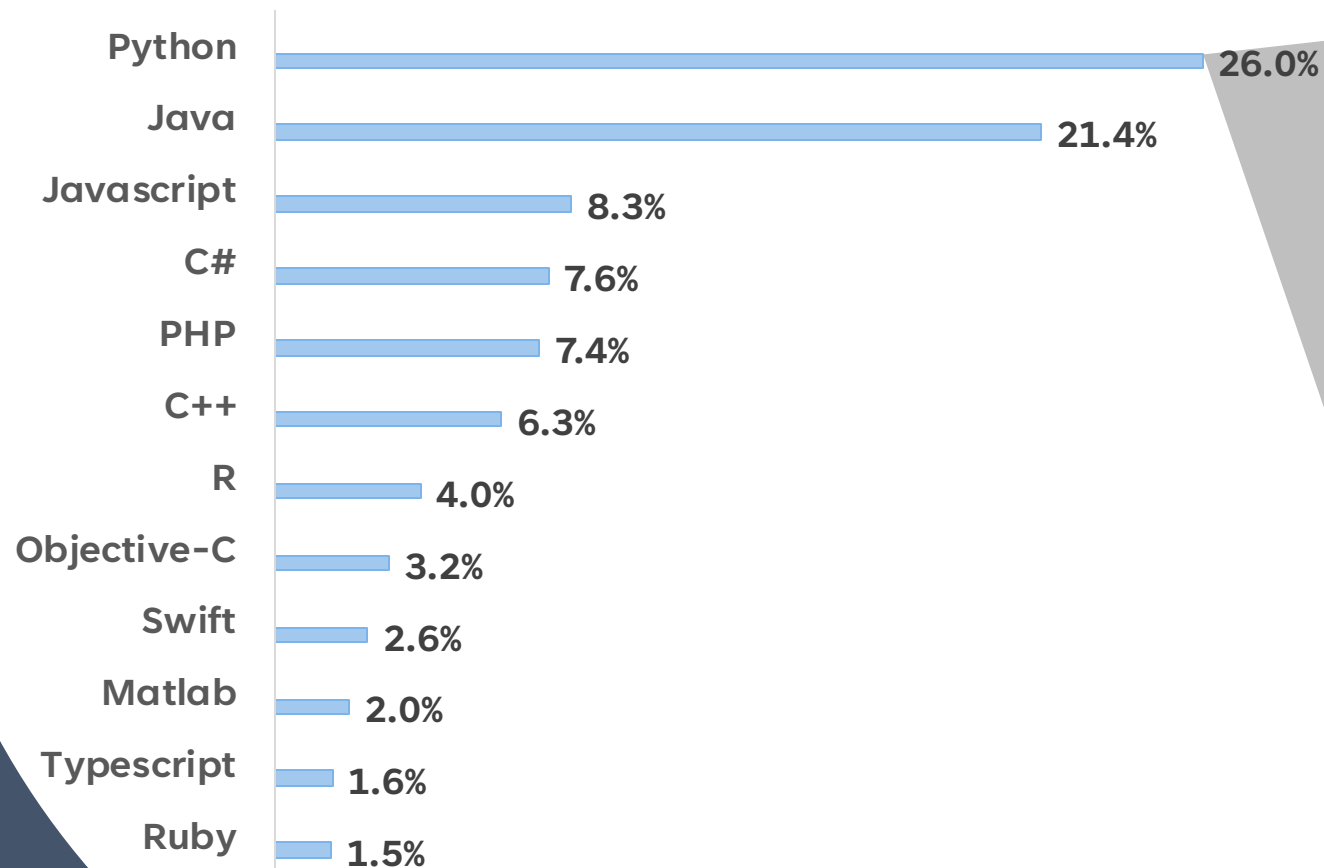


Or a shared mindset?



Should everyone write code?

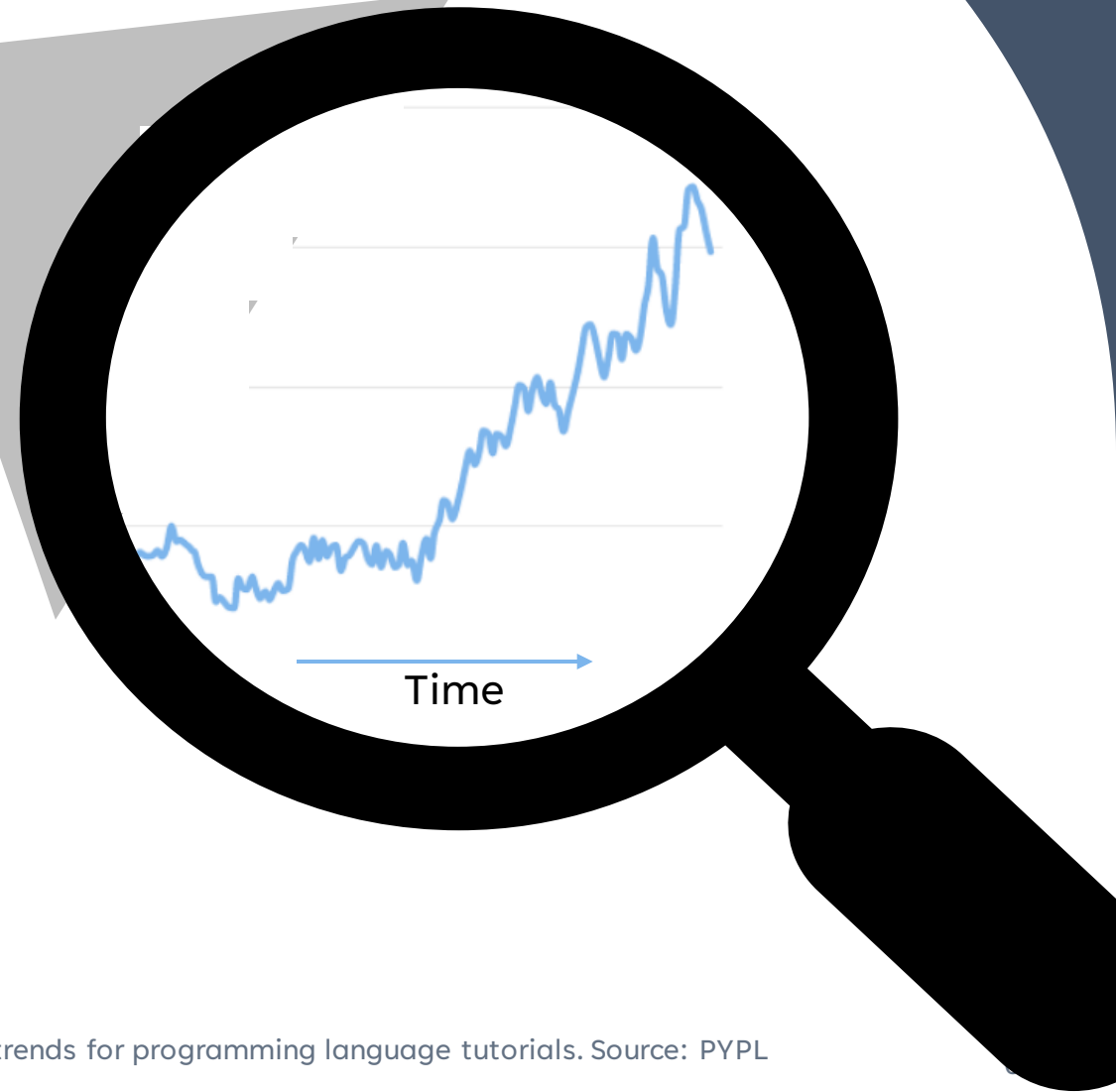
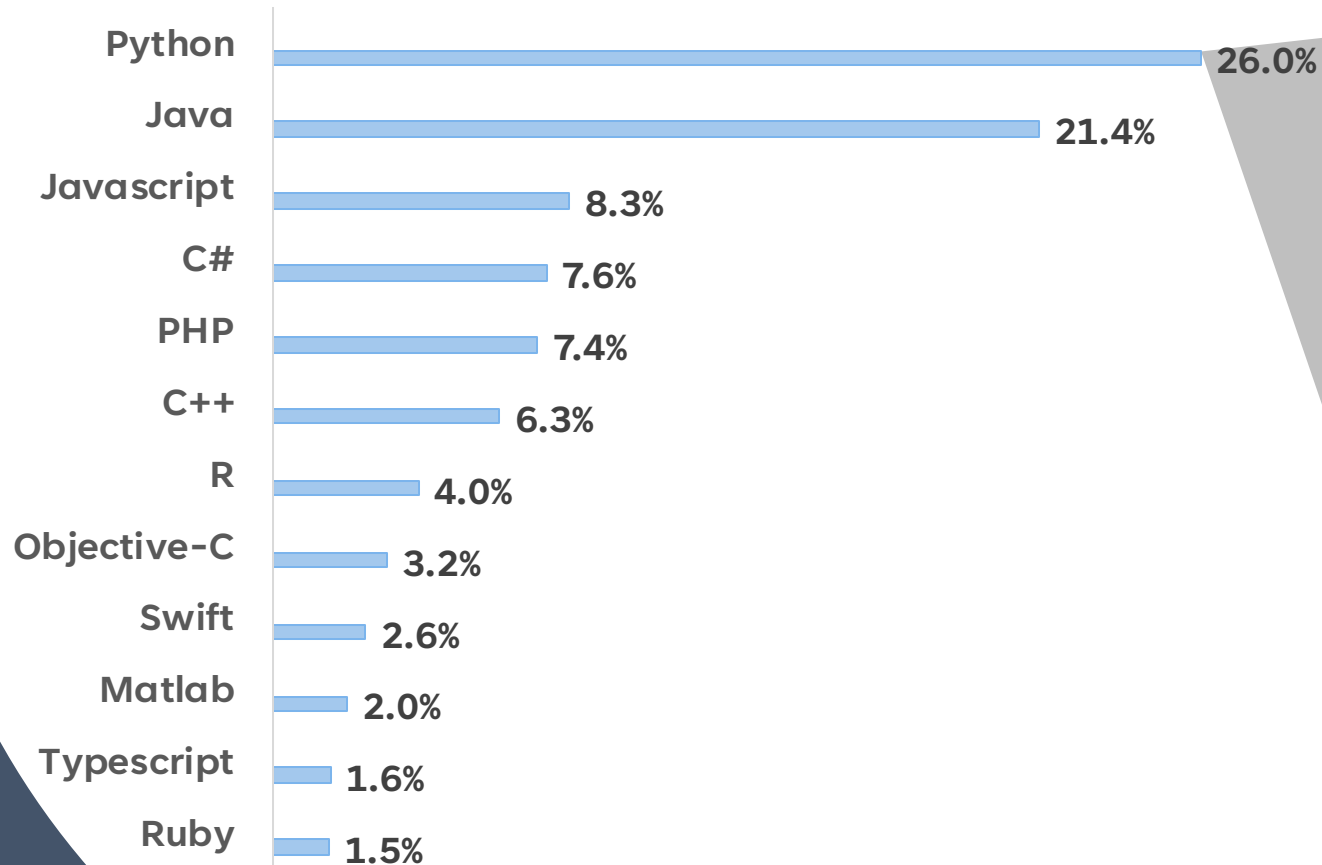
Python is the most popular language, and its popularity continues to grow



1. Based on the PYPL-Index, an analysis of Google search trends for programming language tutorials. Source: PYPL
2. TIOBE index for Python popularity from 2012-2022

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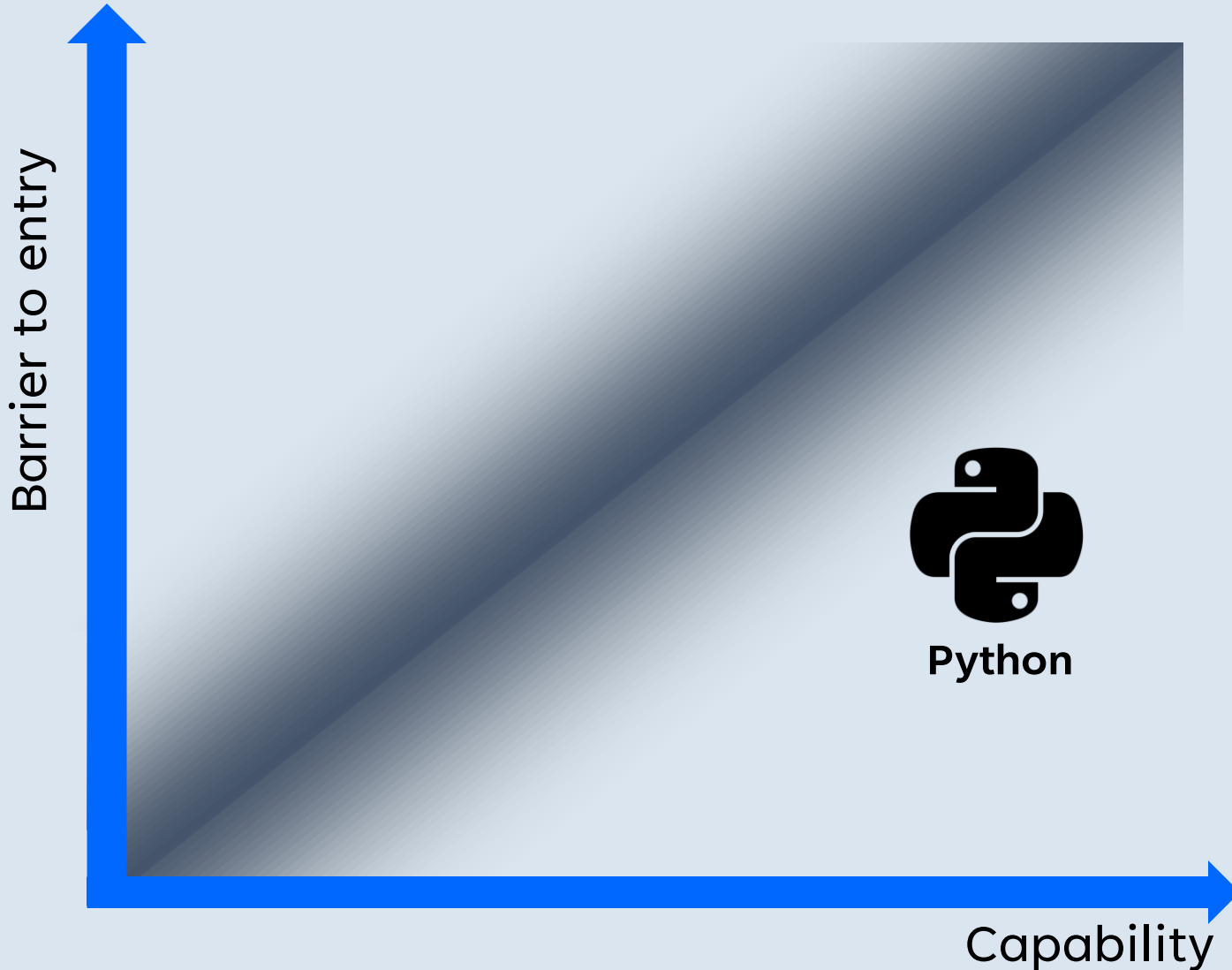
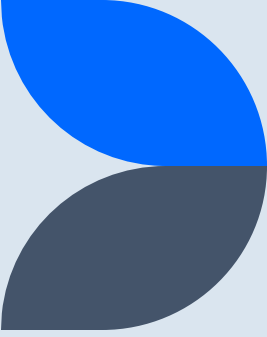
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A goldilocks language

Simple enough to be taught at school, yet powerful enough to be trusted with client money

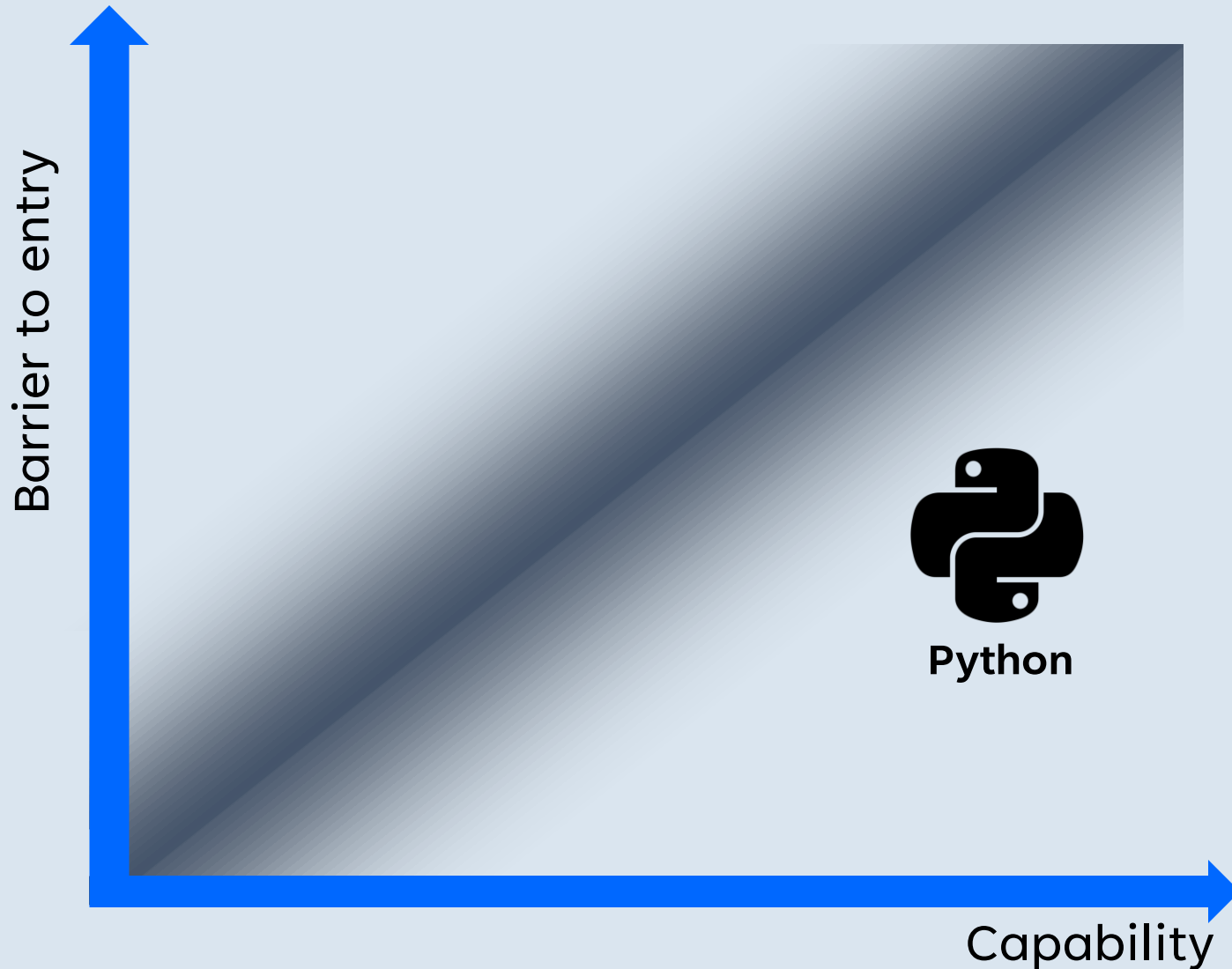
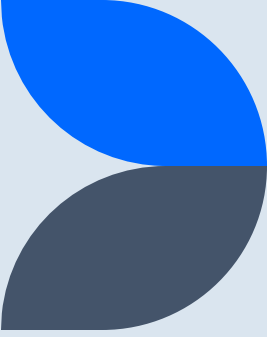


>10million
Python programmers
worldwide¹

1. Source: Statista as of 2022

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Should everyone learn Python?

Cut the queue



Should everyone learn Python?

Cut the queue



“ The digital skills gap is thought to
be costing the UK economy
£12.8bn / yr ”

“**31%** of the UK workforce believe they have been **passed over for a promotion or pay rise** due to a **lack of digital skills**”

To what extent is your company impacted by the Digital Skills Gap?

Slido.com: LeadDev



Not at all

Somewhat

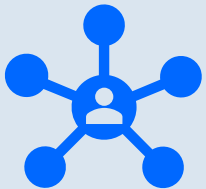
A lot

Severely

Profiling the workforce of the future



Compliance Officer | Automated logic-based alerting



Social Media Manager | Data analytics of tweet impact



Lawyer | Data-driven process improvements

We can't just *hire* our way out of this

<develop>

Supported, tailored training in targeted technical skillsets

 Python 101

 Data Science 101

 Snake Charming & Technical Project Management

 Software Engineering

 Quantitative Statistics for Finance

 High Performance Python

 Masters in Digital & Technological Solutions

<develop>

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It's starting to stick

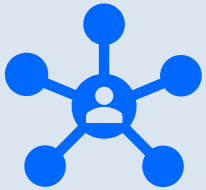
~1/3 of our workforce are engaged
Course feedback averages 9/10

- 80% continue to use their new Python skills
- 74% report a positive impact on innovative thinking
- 77% report a likelihood of reduced inaccuracy with results

Federated Developers in practice



Compliance Officer | Automated logic-based alerting
Masters in Data Science



Social Media Manager | Data analytics of tweet impact
Using NLP to measure our qualitative social media footprint

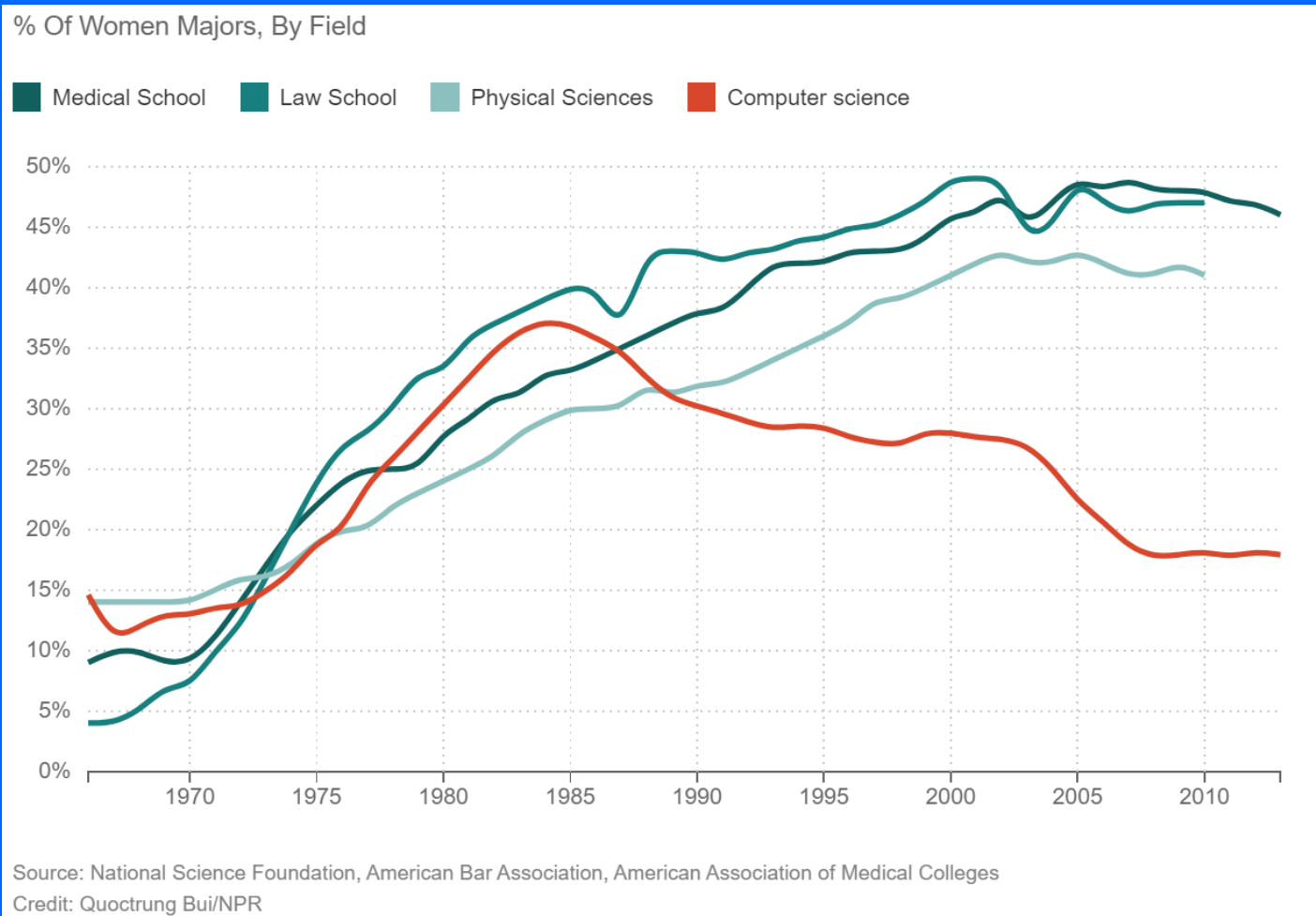


Lawyer | Data-driven process improvements
Interactive comms bot provides relevant case documentation

Python Powered People

A digital skills *and* diversity gap

We can bring more diverse talent on the journey with us

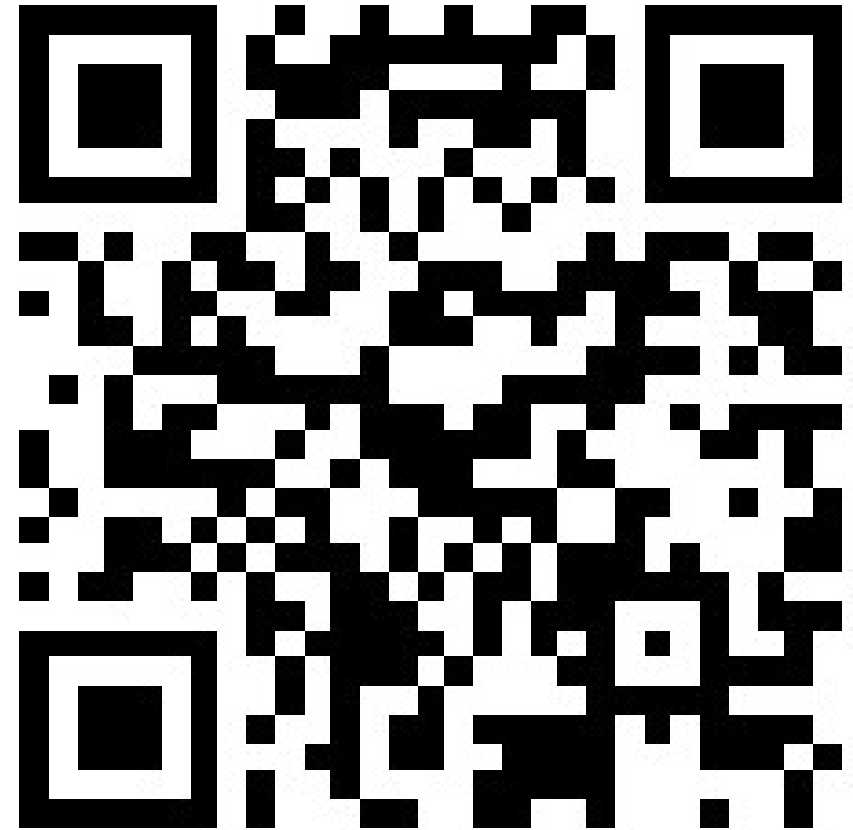


Masters in Digital &
Technological Solutions



How far has your company taken technical training?

Slido: LeadDev



We don't do much

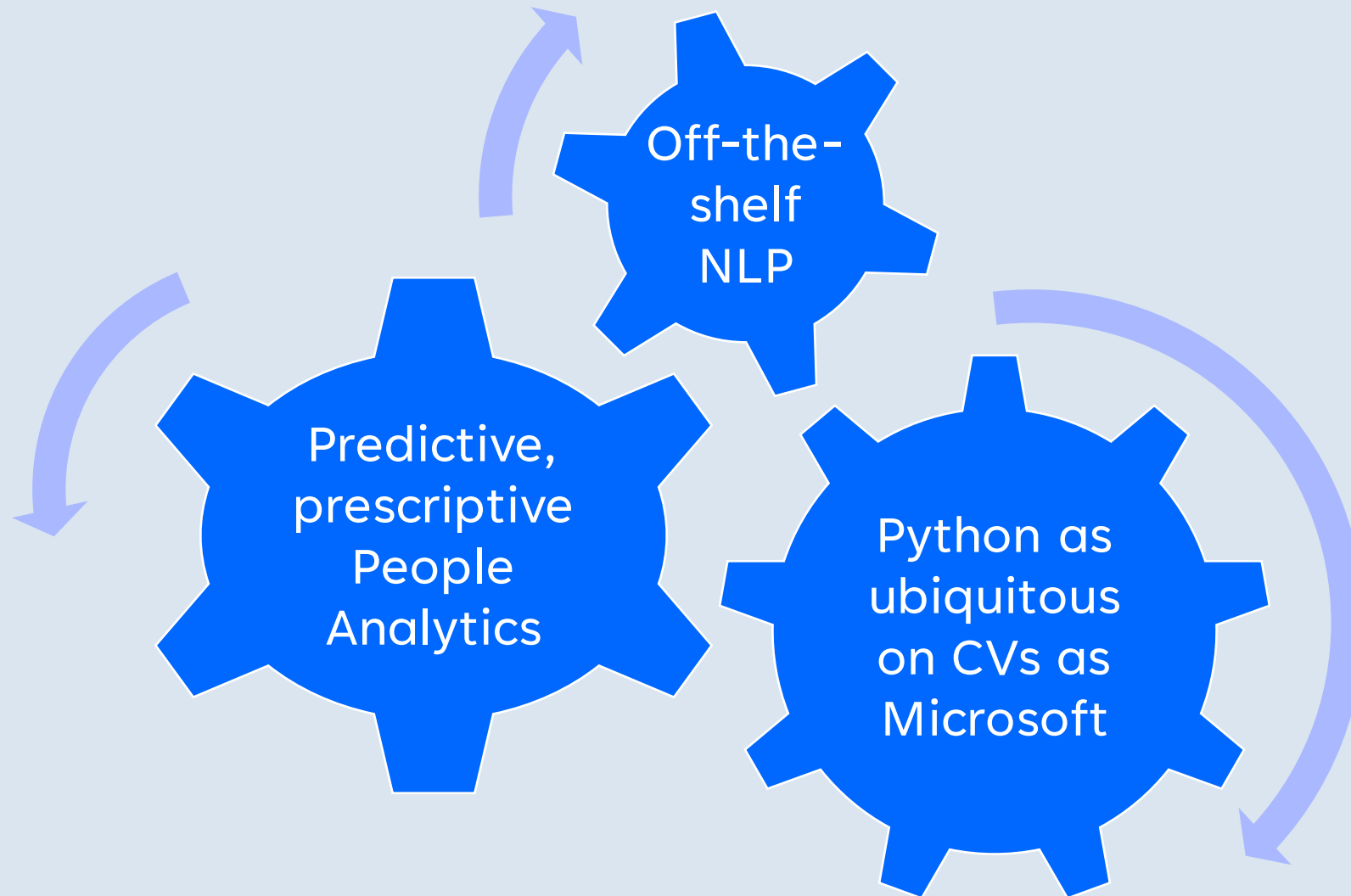
Eager staff take online courses

Something similar to <develop>

Everyone can already code!

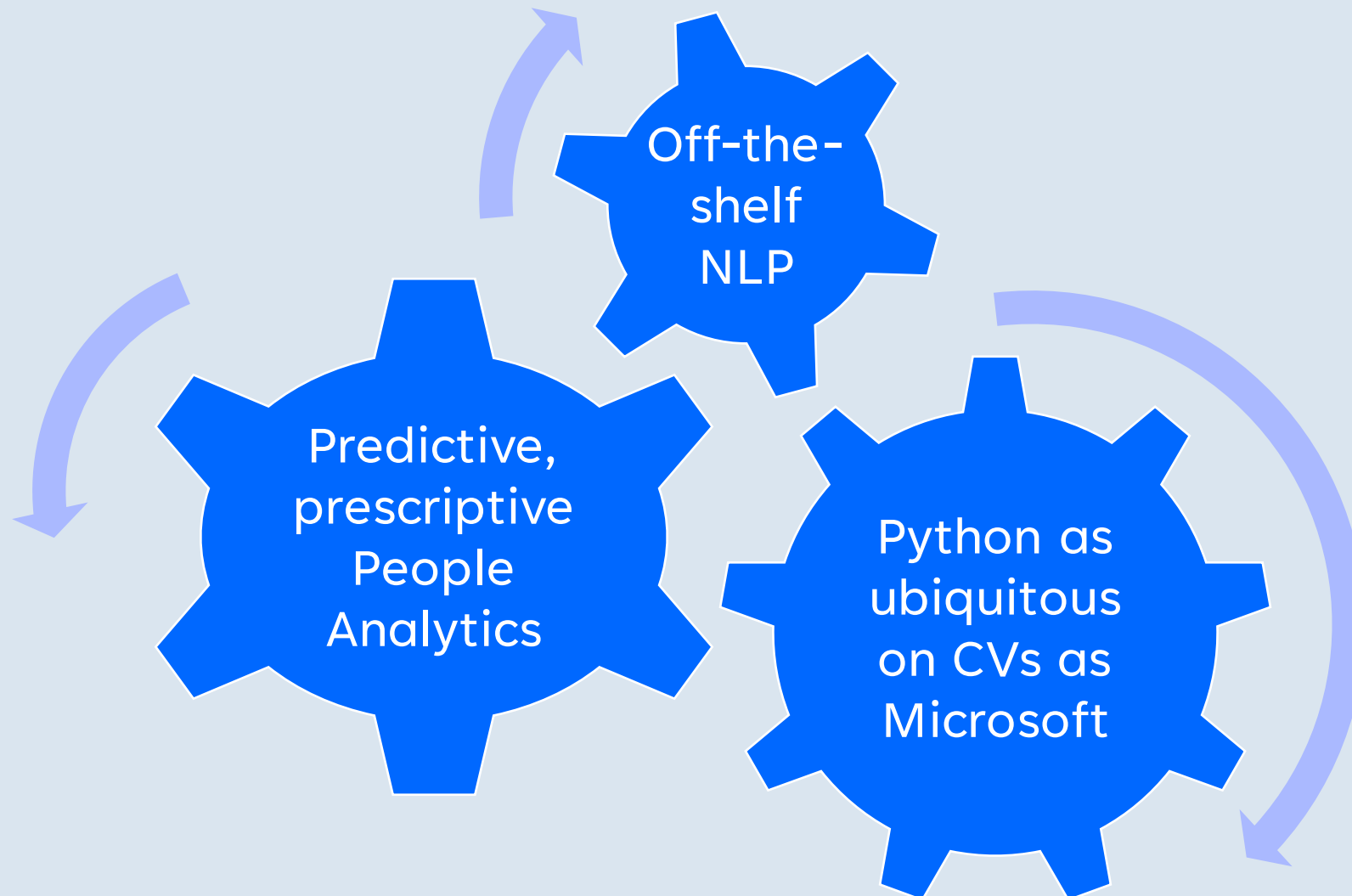
Looking further ahead

We're targeting genuinely data-driven strategy across the business



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Thank you

Charlie Beeson

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