# Partners

**Data Point Prague 2024**

Microsoft

Data Brothers

OKškolení
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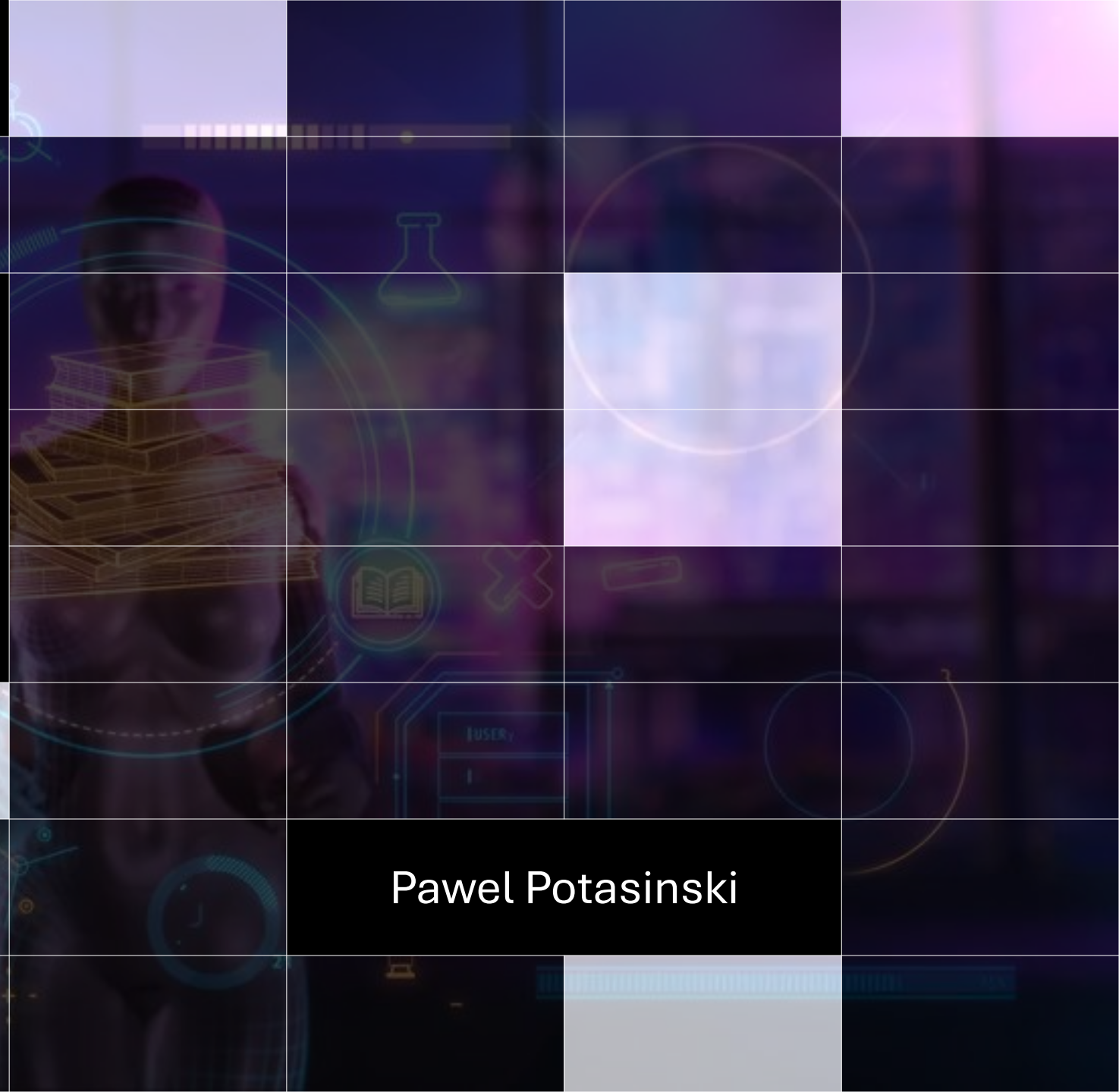
Tabular Editor

GOPAS

DATA POINT
Prague

# How to grow as a data professional in the era of AI



Pawel Potasinski

# Disclaimer

The content of this session is based solely on the **subjective thoughts** of its author.

Feel free to **disagree** with my theses.
If you want to talk, let's talk **offline**!

I may not change my mind,
but it's all about **networking** ☺

3
LEARN & GROW
2
PLAN SKILLS
1
ASSESS RISKS

1

*Look for opportunities !*

~~**ASSESS RISKS**~~

# Our data world today…

AI everywhere

More data

Speed matters

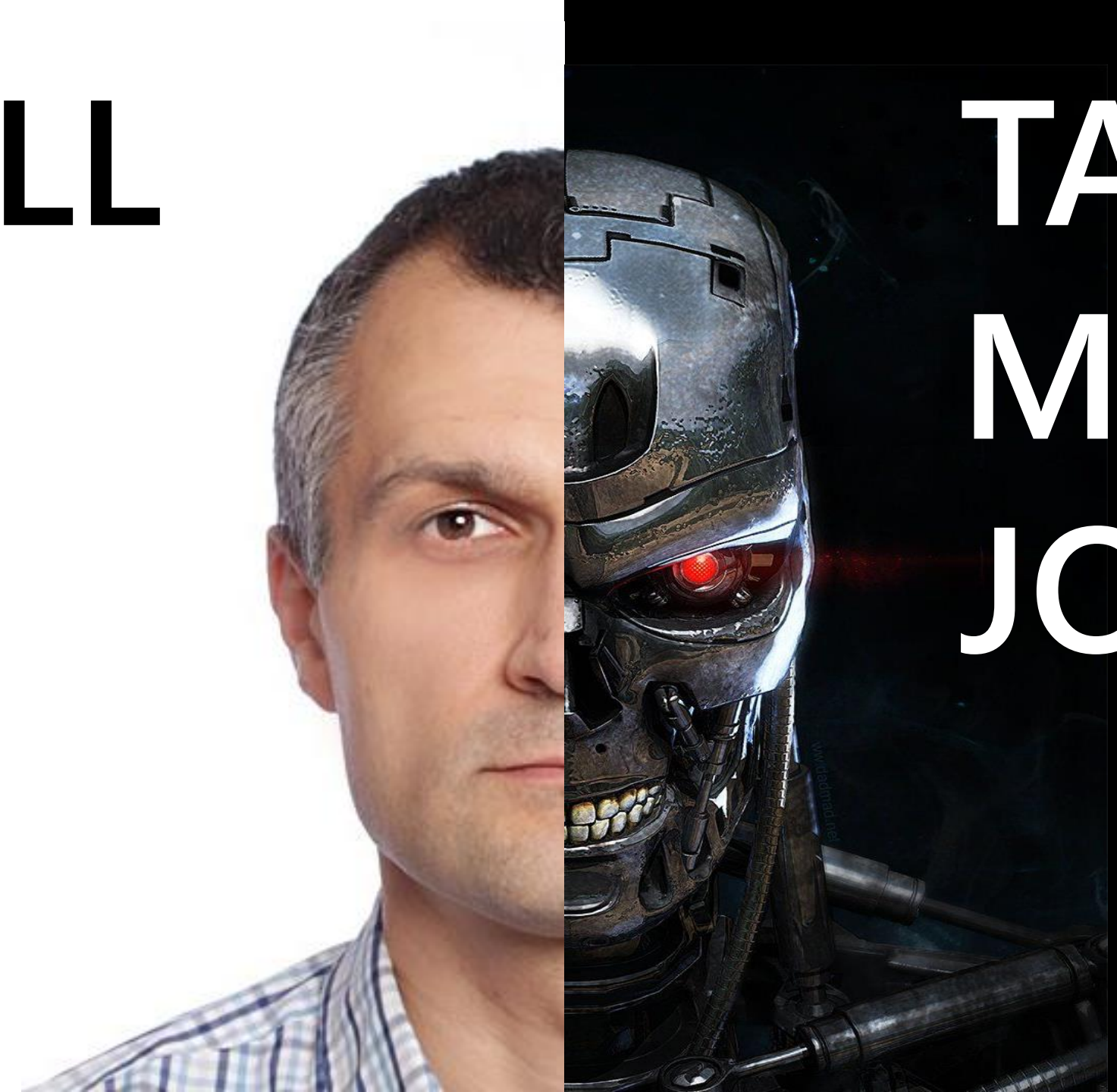
Frequent changes

Schema last

Distributed ownership

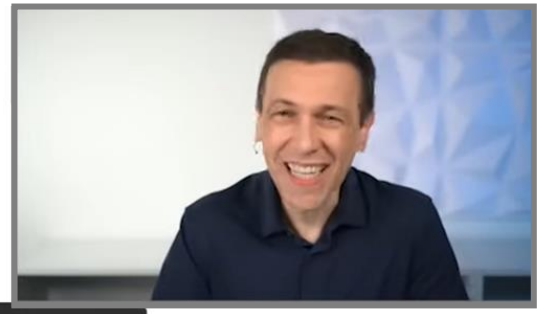
Security and compliance

WILL AI



TAKE MY JOB?

# Well, maybe...



ChatGPT 4o

how you can do it:

dax

Copy code

```
Rolling 13 Weeks Sales =
CALCULATE(
    [Sales Amount],
    DATESINPERIOD(
        'Date'[Date],
        LASTDATE('Date'[Date]),
        -13,
        WEEK
    )
)
```

Writing DAX with ChatGPT-4o – Unplugged #58 - SQLBI

# The Fastest Things of Earth

Cheetah

Airplane

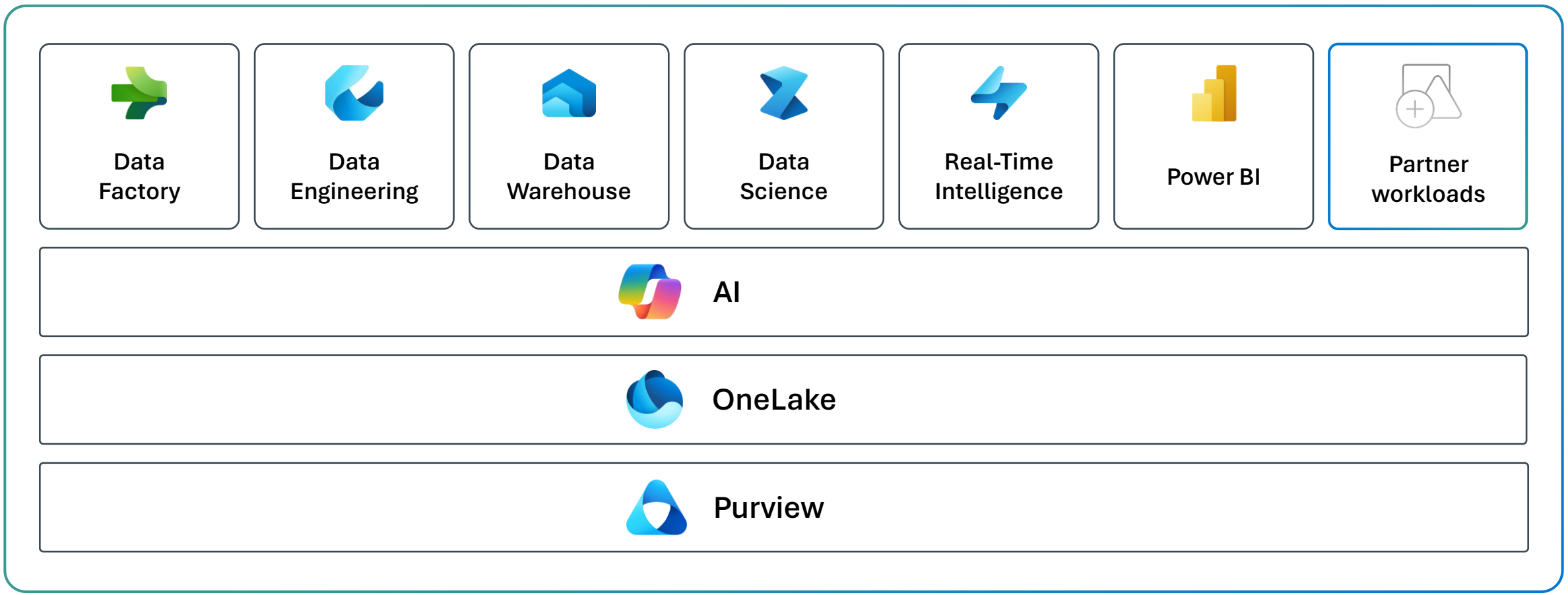
Speed of light

People becoming expert in AI

People cracking the code of a successful AI project

People providing tips for successfully monetizing AI

# Microsoft Fabric



# Microsoft Fabric

# Microsoft Fabric

## Complete Analytics Platform

- Everything, unified
- SaaS-ified
- Secured and governed

## Lake Centric and Open

- OneLake
- One copy
- Open at every tier

## Empower Every Business User

- Familiar and intuitive
- Built into Microsoft 365
- Insight to action

## AI Powered

- Copilot accelerated
- AI-driven insights
- Gen AI on your data

# Microsoft Fabric

**Complete Analytics Platform**

Everything, unified

SaaS-ified

Secured and governed

Does it mean your skills MUST be complete?

What should be your focus?

# Analytics is a team sport

> *Fabric is a team sport. One person can’t learn or do everything.*
>
> Kurt Buhler, MVP

Fabric is a team sport — DATA GOBLINS (data-goblins.com)

# Some skills are timeless

- Understanding pain points of the business
- Data modeling
- Data quality
- Data management and governance

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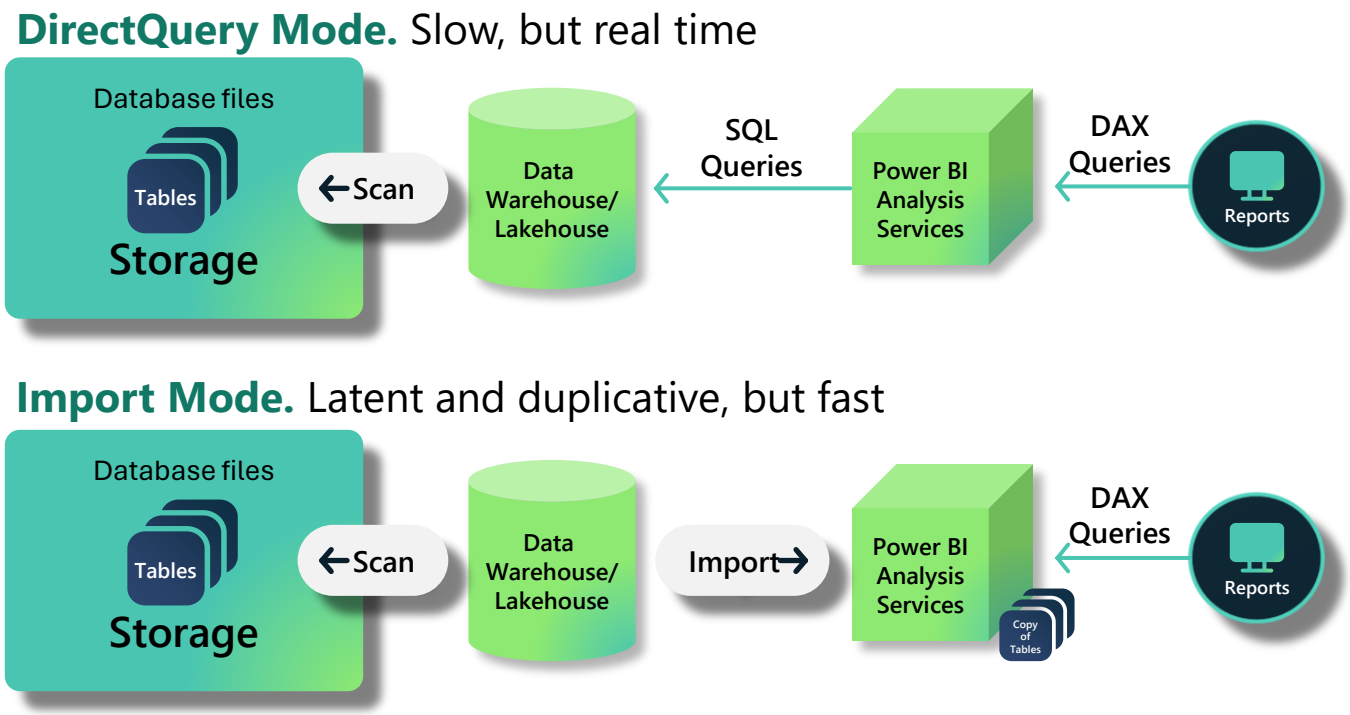
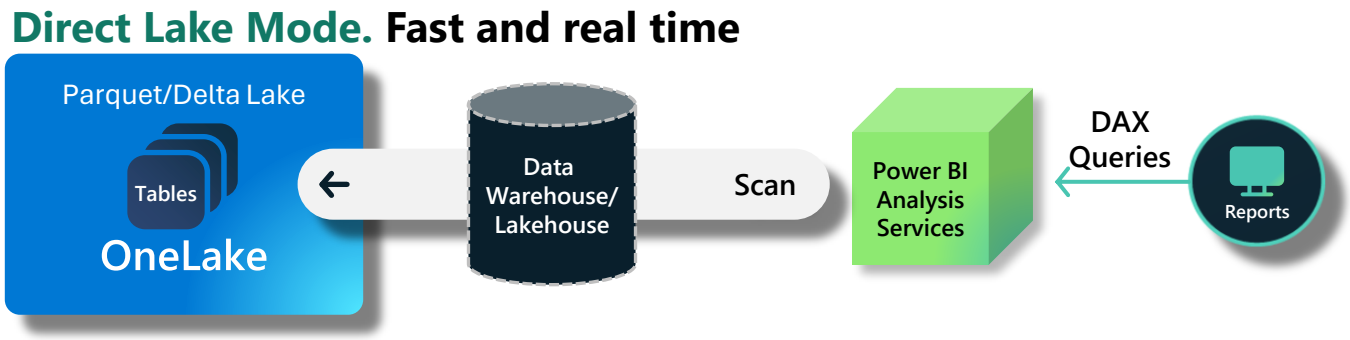
What does it mean for a Power BI person?

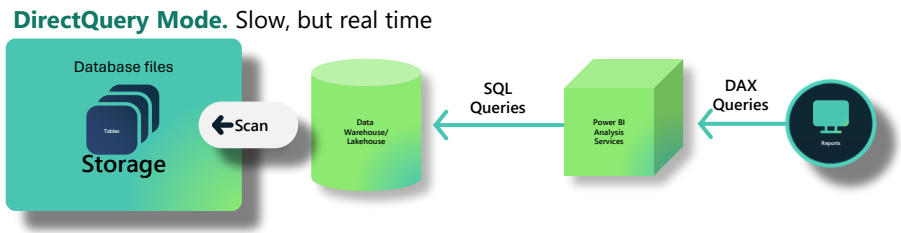
What should be your focus?

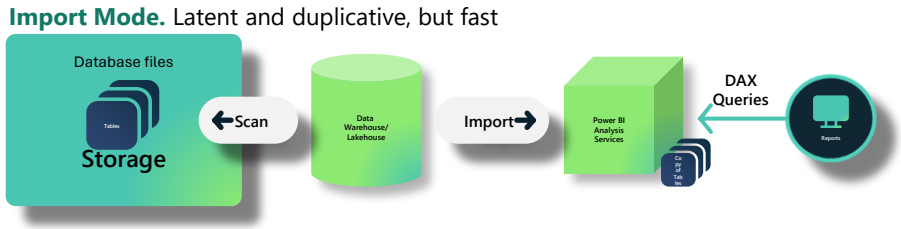
# New lake-centric technologies



# New lake-centric technologies



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## Empower Every Business User

Familiar and intuitive

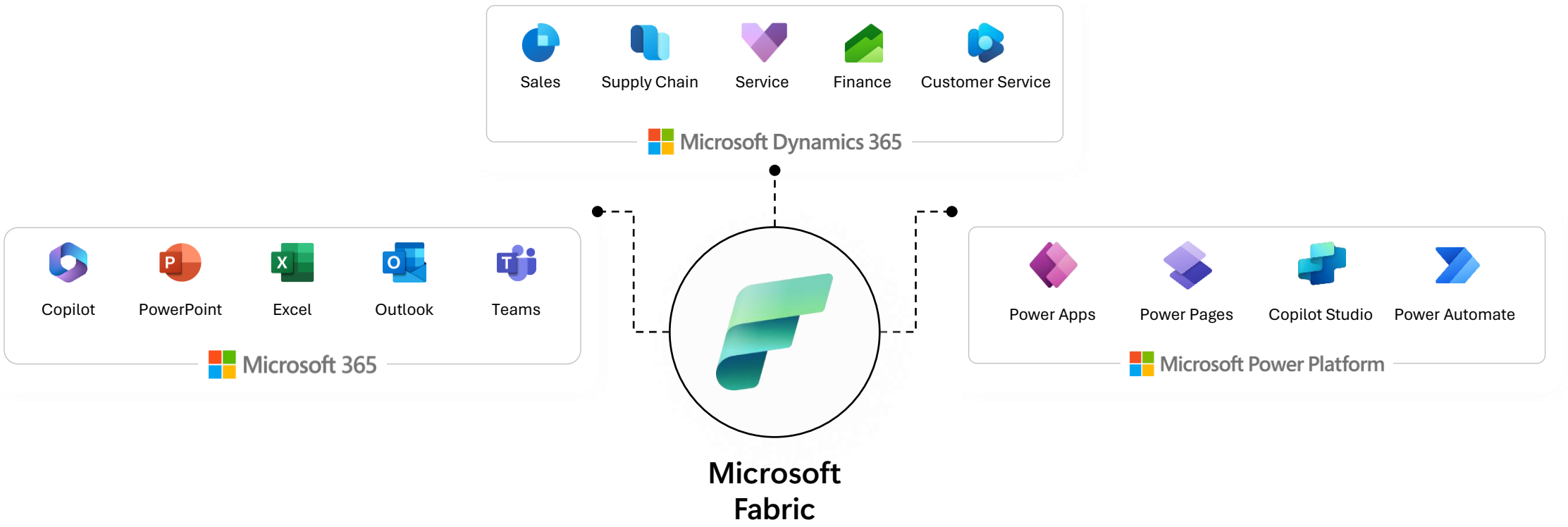
Built into Microsoft 365

Insight to action

Does it change anything in your work?

What should be your focus?

# Bring analytics to where the users are



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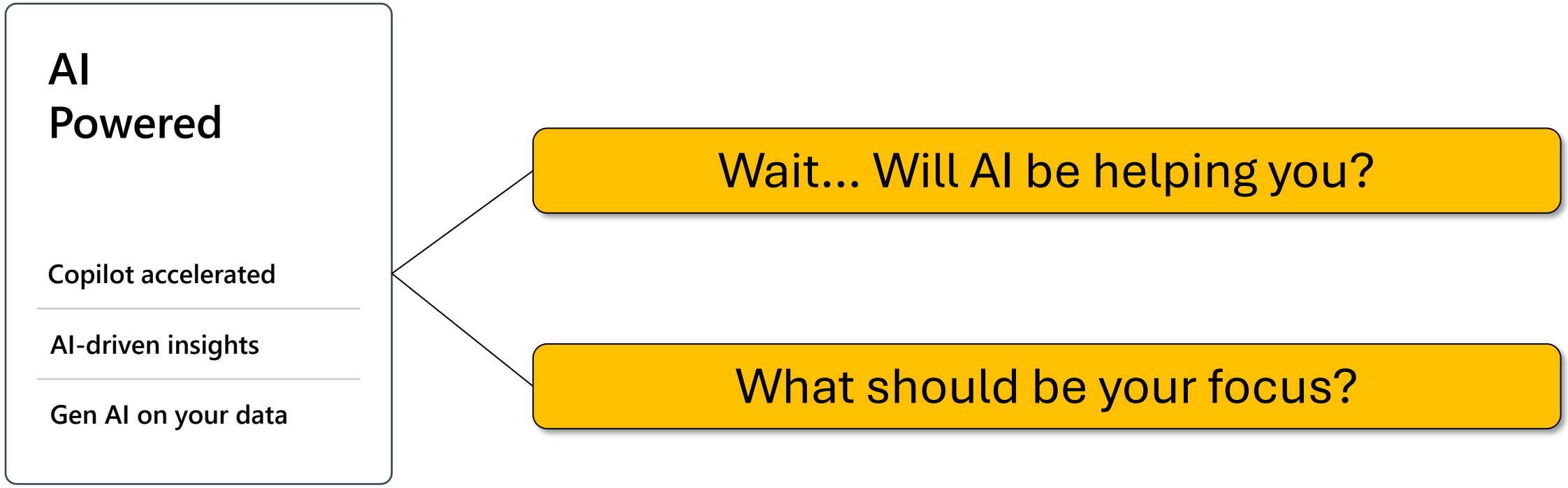

# Try AI in Fabric

## Increase productivity with Copilot in Fabric

Use conversational language with Copilot in Fabric to create dataflows and pipelines, write SQL, and more.

## Get AI-driven insights

Get additional insights with built-in AI in Power BI and go from insights to actions with Data Activator.

## Generative AI on your data

Enrich your data using generative AI or build custom generative AI experiences.

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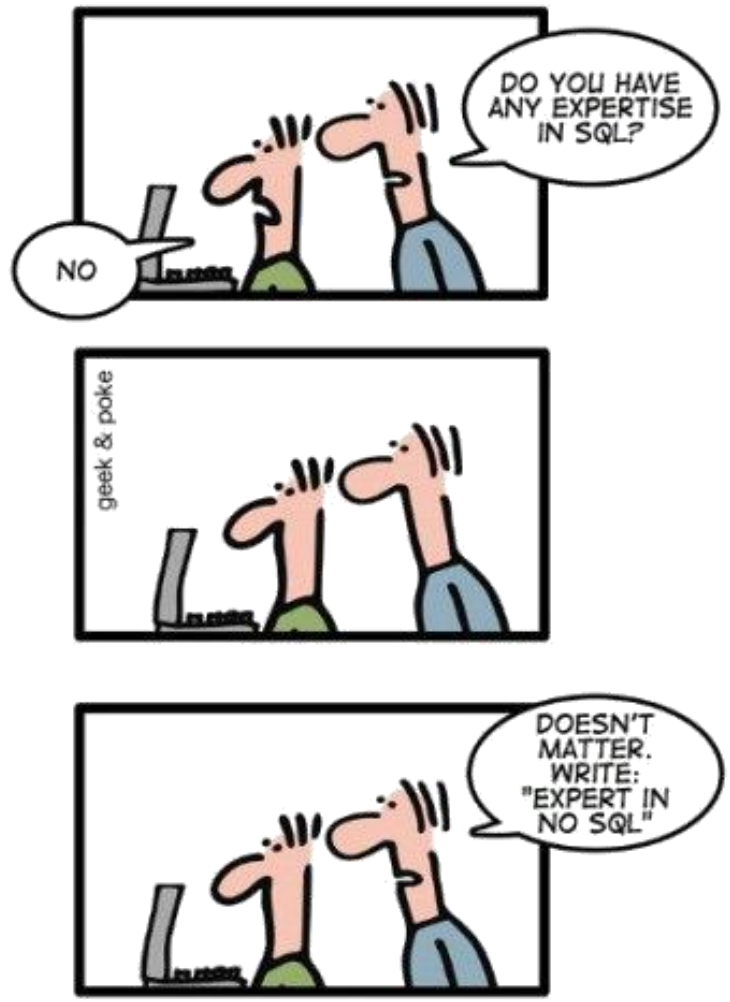
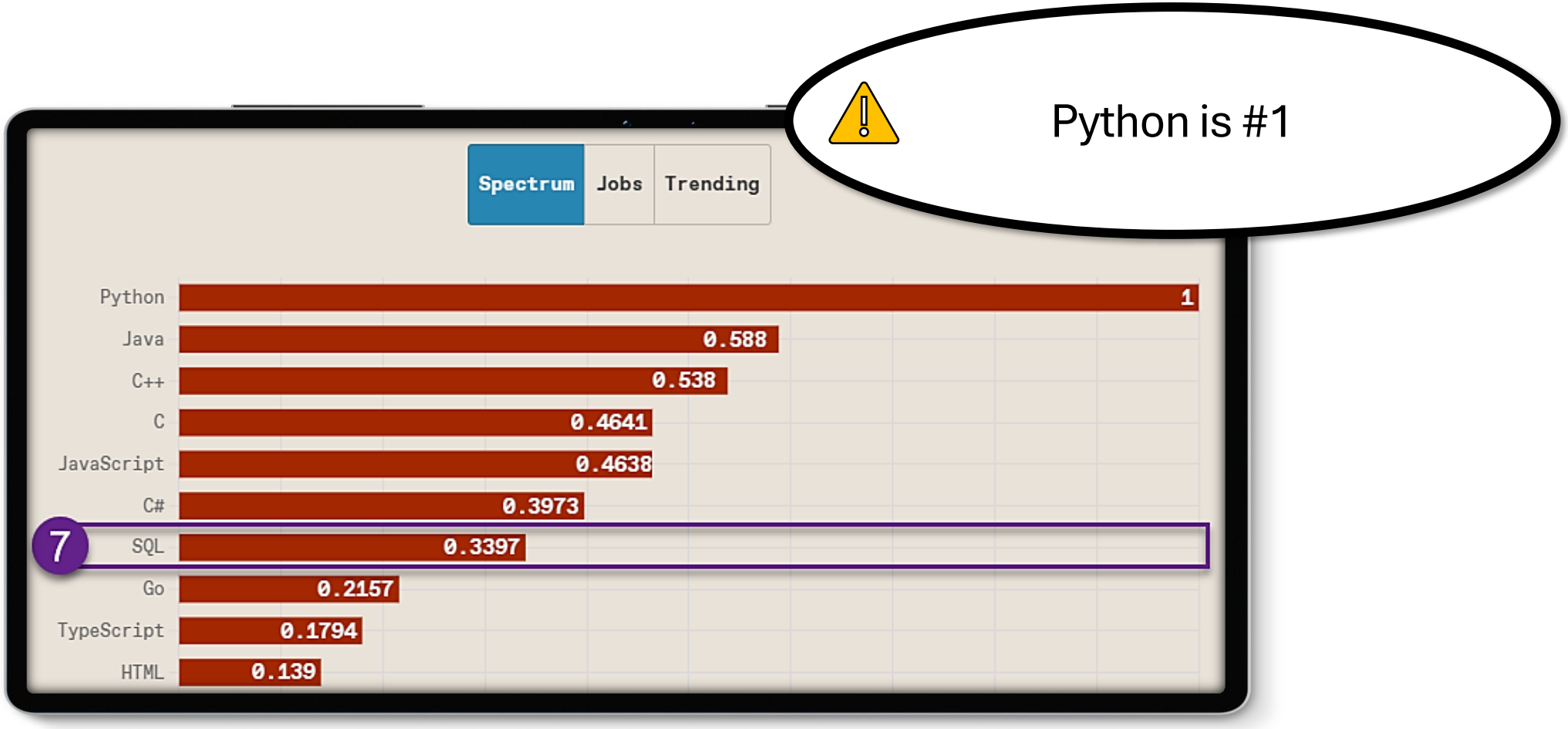
# PLAN SKILLS

# HOW TO WRITE A CV




Leverage the NoSQL boom

# Top programming languages 2023

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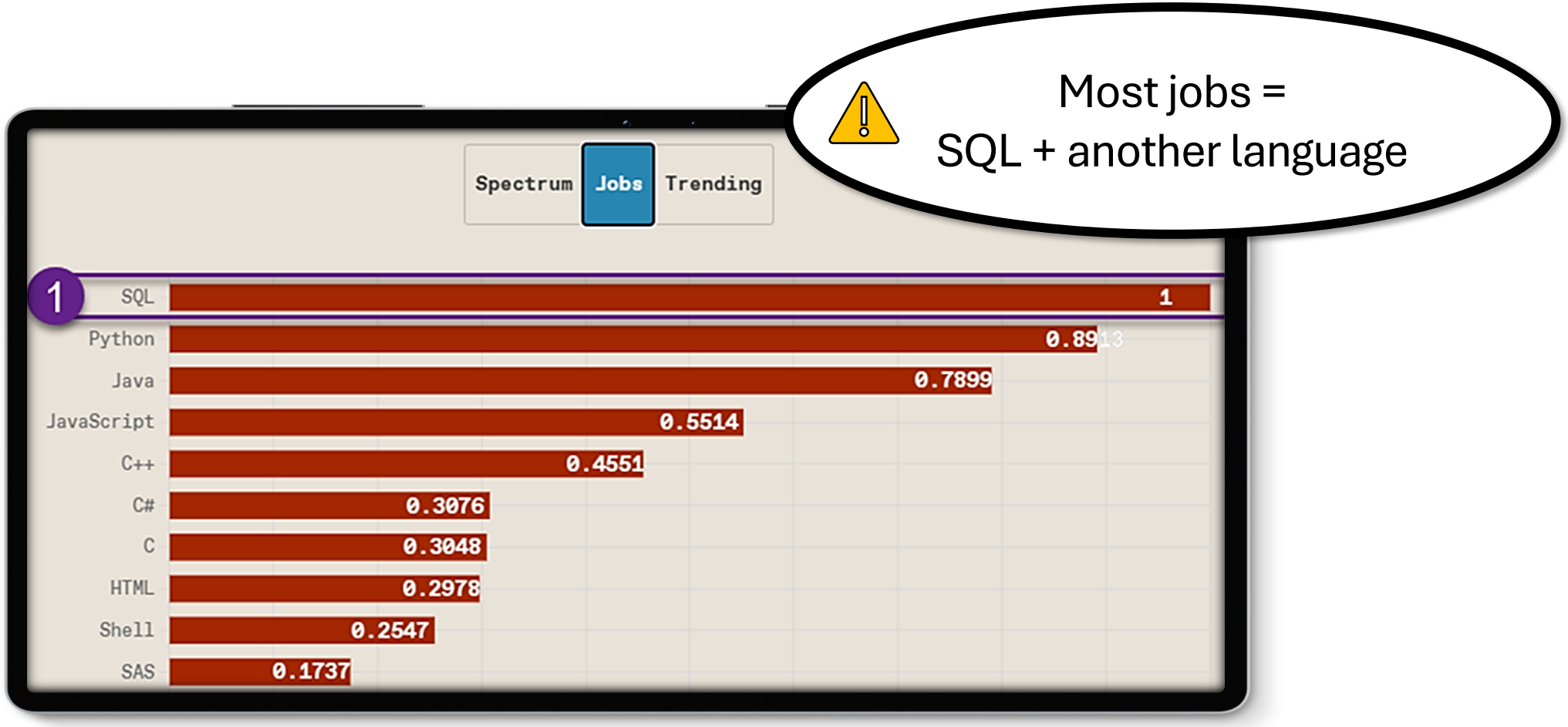


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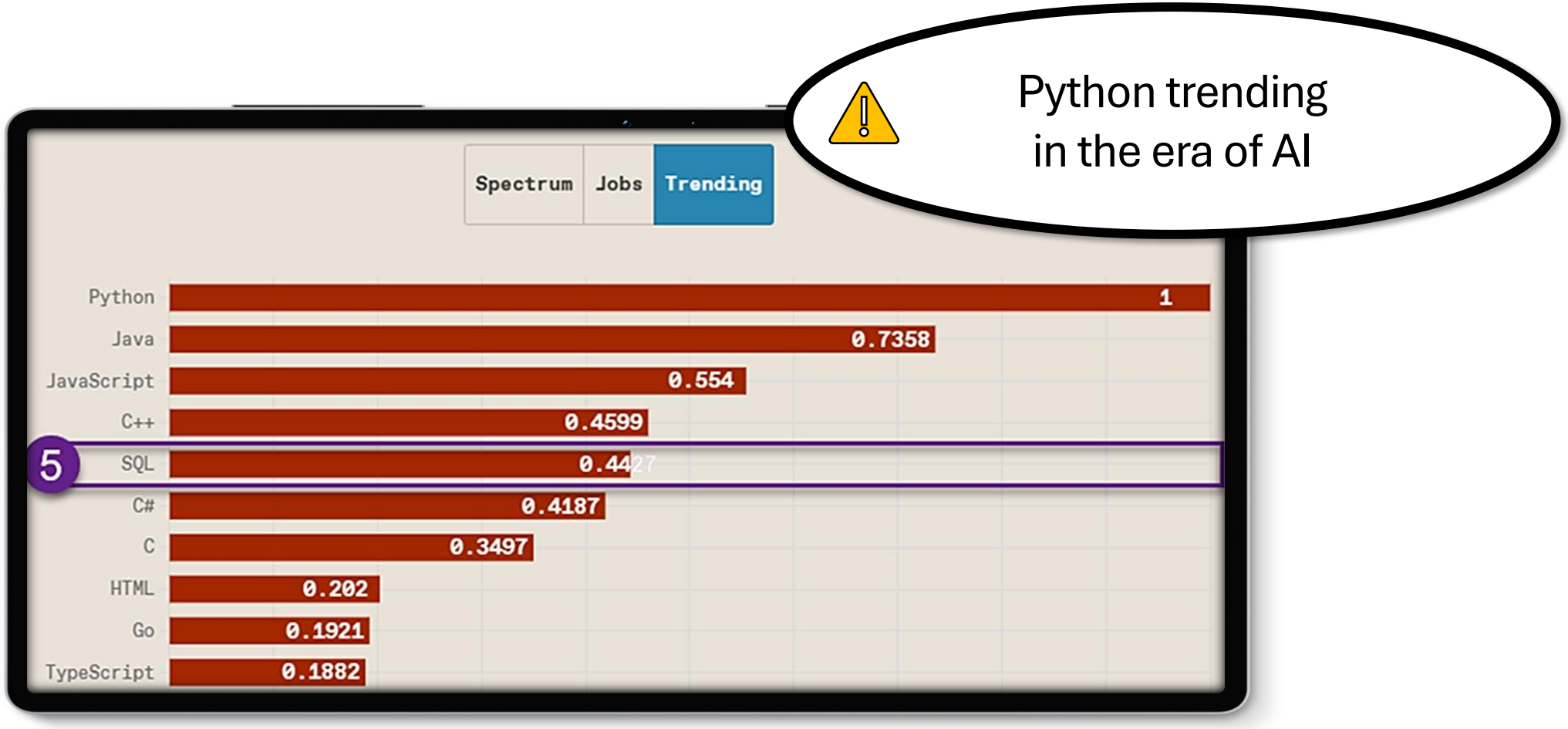


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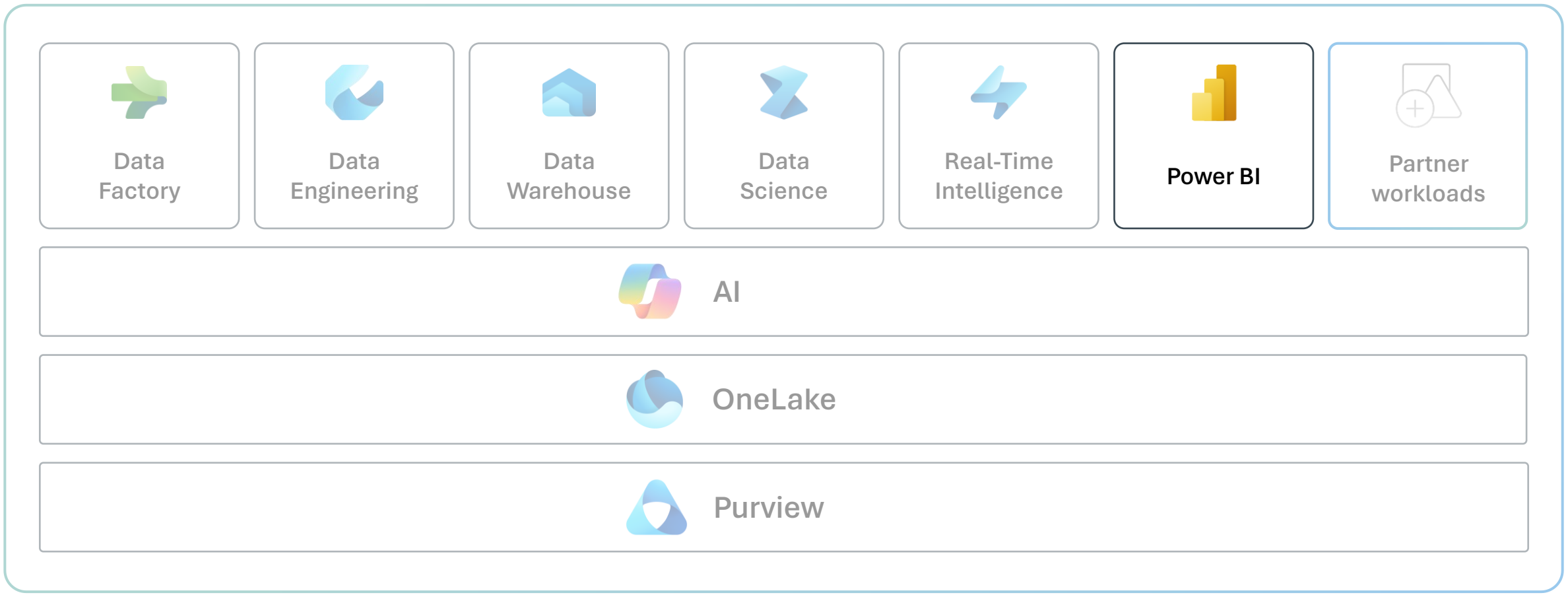

# Top Fabric features for Power BI people

1. **OneLake** (shortcuts, One Copy)
2. **Direct Lake** (Delta Lake, fallback to DirectQuery)
3. **Semantic Link** ( notebooks, PySpark, SparkSQL)
4. **AI in Fabric** (Copilots, built-in AI)

https://github.com/RuiRomano/fabricnotebooks

# Soft skills matter!

Assertiveness and planning

Communication

Remote teamwork

Problem solving

Project management

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# LEARN & GROW

# Change your mindset (to DataOps + AI)

| From | To |
| --- | --- |
| Change Fear | Change Velocity |
| Manual Operations | Automated Operations |
| Hope for Quality | Integrated Quality |
| Hero Mentality | Repeatable Processes |
| Tool Centric | Code Centric |
| Vendor Lock-in | Diverse Tools |
| Fear AI | Make AI your advantage |

# Pawel’s 10 rules for cloud analytics

1. Learn systematically. Deep dive knowledge is required ocassionally.
2. Know the limitations of products/workloads and their integration.
3. The way to implement things may differ from on-premises.
4. Automate things as much as possible.
5. Practice “everything as a code”.
6. Understand pricing and learn how to optimize billing.
7. Do NOT assume solution architecture will be static/fixed.
8. Test and fail often.
9. Be curious of different vendors.
10. Always assume things can go wrong.

# Things that have been working for me

Get hands-on

Knowledge sharing

Networking

# Microsoft Fabric Community Resources

## Community Call to Action

- ✓ Try Microsoft Fabric for free: https://aka.ms/try-fabric
- ✓ Stay up to date: https://aka.ms/fabricblog
- ✓ Join the Fabric community: https://aka.ms/fabriccommunity
- ✓ Help us improve Fabric: https://aka.ms/fabricideas

Follow the #microsoftfabric hashtag on social media

## Learn More about Microsoft Fabric

- Product website: https://aka.ms/microsoft-fabric
- Documentation: https://aka.ms/fabric-docs
- Product Roadmap: https://aka.ms/FabricRoadmap
- **Microsoft Learn:** https://aka.ms/learn-fabric
- **End-to-end scenario tutorials:** https://aka.ms/fabric-tutorials

# Slides

➡️ https://github.com/pawelpo/presentations

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# Thank you!