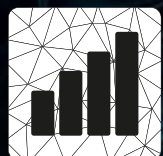




# Partners

Data Point Prague 2024



**Data  
Brothers**



**OKškolení**  
Powered by OKsystem



**Tabular Editor**



# 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** 😊



**LEARN & GROW**

**PLAN SKILLS**

**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



Data  
Factory



Data  
Engineering



Data  
Warehouse



Data  
Science



Real-Time  
Intelligence



Power BI



Partner  
workloads



AI



OneLake



Purview

# 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





## 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 \(data-goblins.com\)](http://data-goblins.com)

# Some skills are timeless

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





## **Complete Analytics Platform**

Everything, unified

---

SaaS-ified

---

Secured and governed

## **Lake Centric and Open**

OneLake

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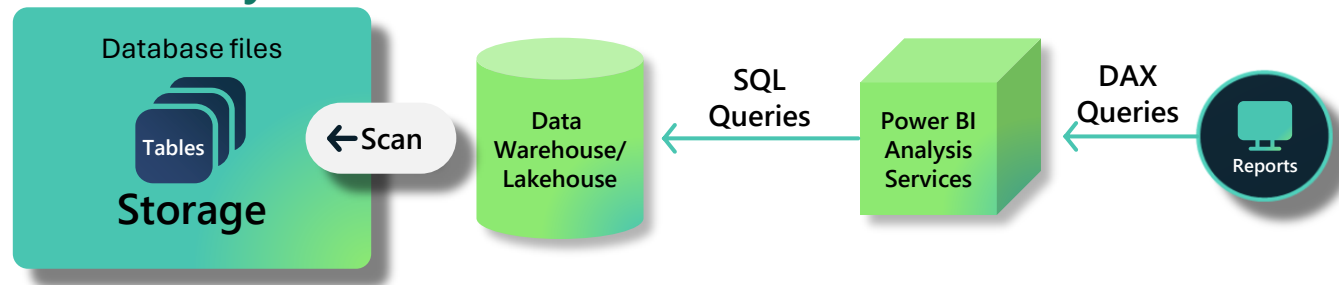
What does it mean for a Power BI person?

What should be your focus?

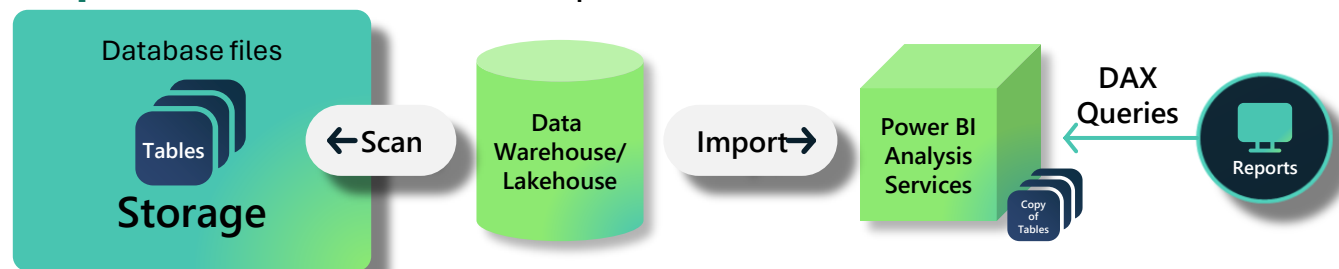


# New lake-centric technologies

**DirectQuery Mode.** Slow, but real time

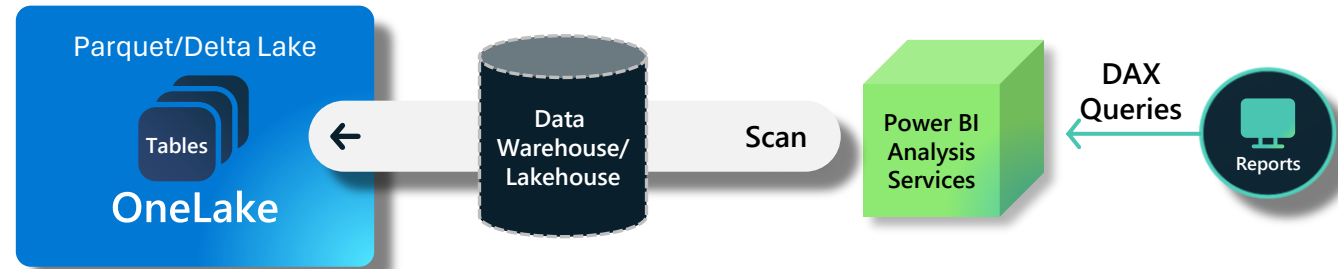


**Import Mode.** Latent and duplicative, but fast

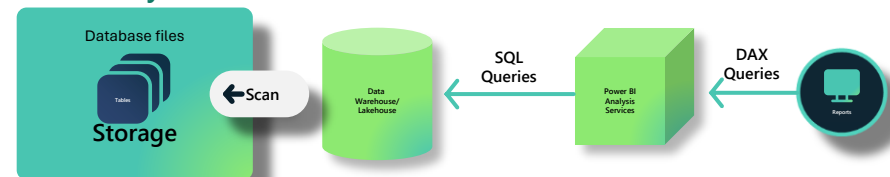


# New lake-centric technologies

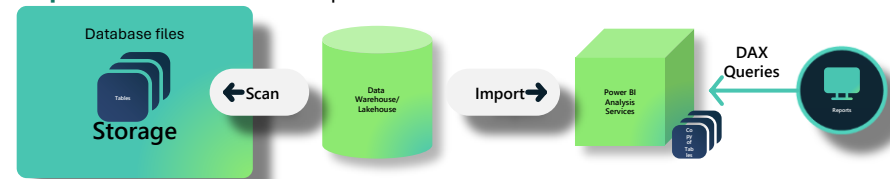
## Direct Lake Mode. Fast and real time



## DirectQuery Mode. Slow, but real time



## Import Mode. Latent and duplicative, but fast





# Microsoft Fabric

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## Empower Every Business User

Familiar and intuitive

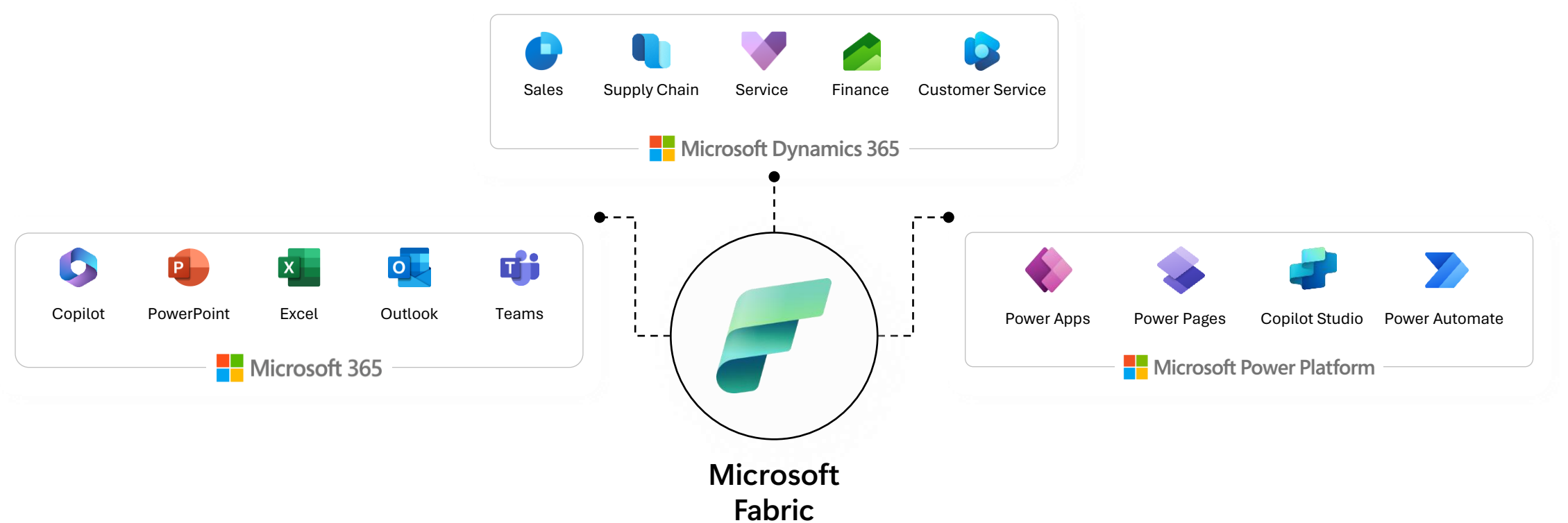
Built into Microsoft 365

Insight to action

Does it change anything in your work?

What should be your focus?

# Bring analytics to where the users are







# Microsoft Fabric

## Complete Analytics Platform

Everything, unified

---

SaaS-ified

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## AI Powered

Copilot accelerated

---

AI-driven insights

---

Gen AI on your data

Wait... Will AI be helping you?

What should be your focus?

# 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.



**LEARN & GROW**

**PLAN SKILLS**

**ASSESS RISKS**



# **PLAN SKILLS**

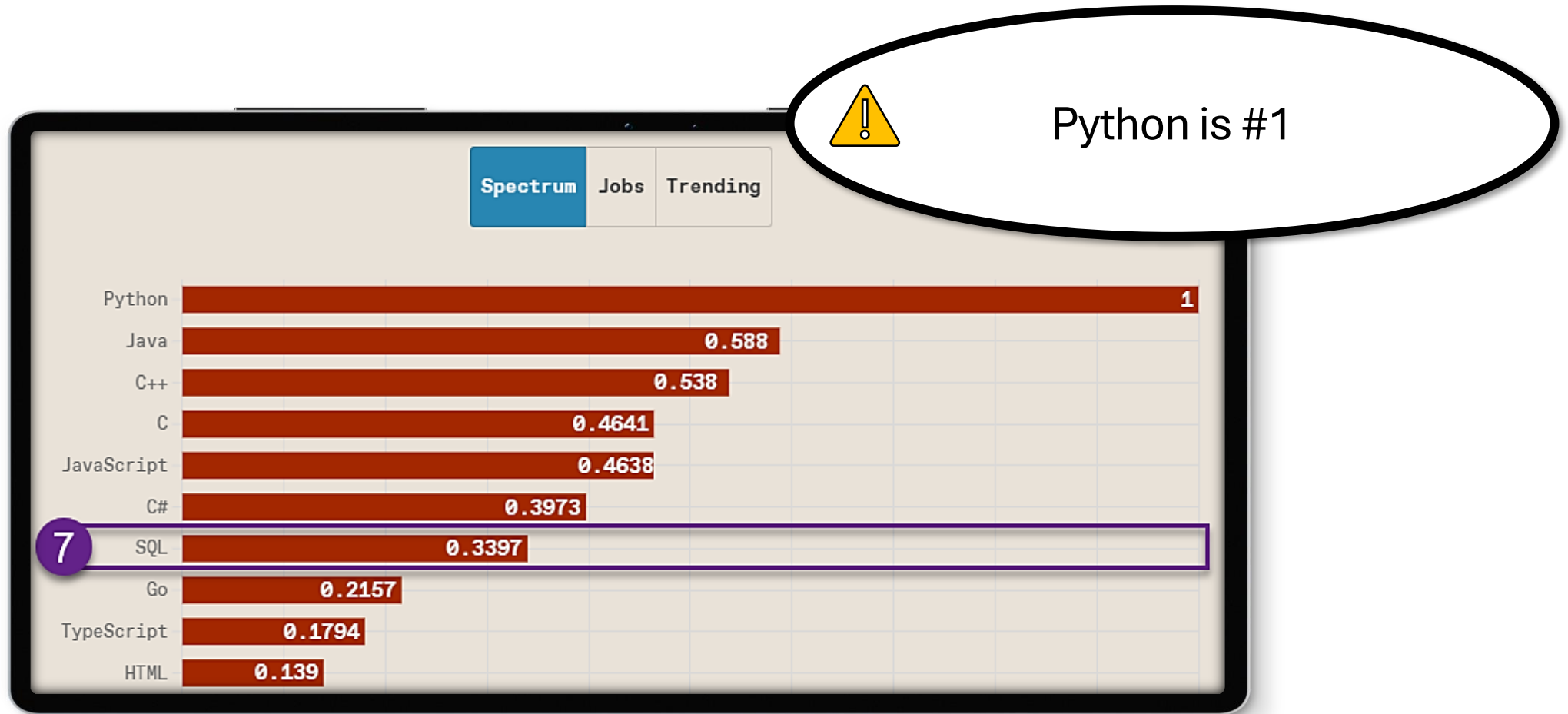


## HOW TO WRITE A CV



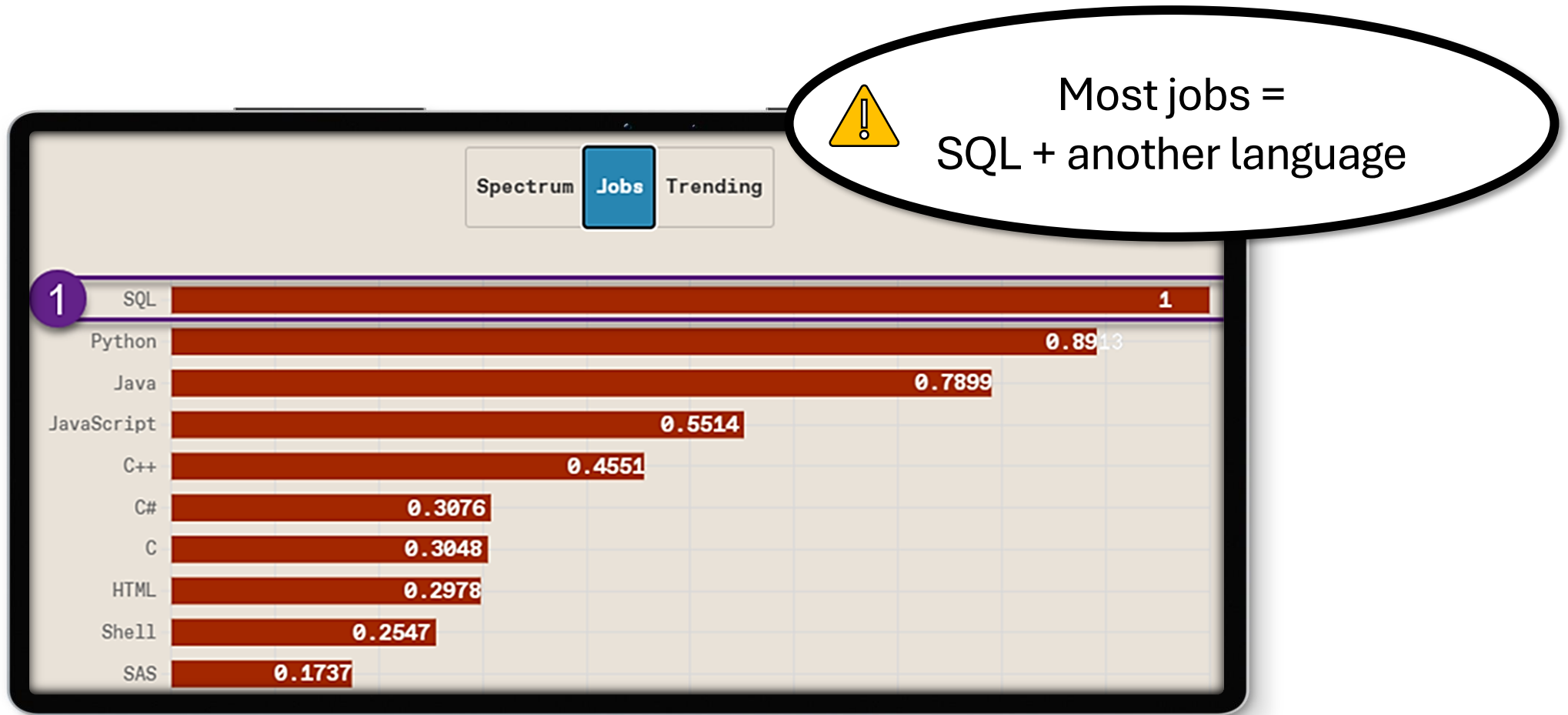
Leverage the NoSQL boom

# Top programming languages 2023



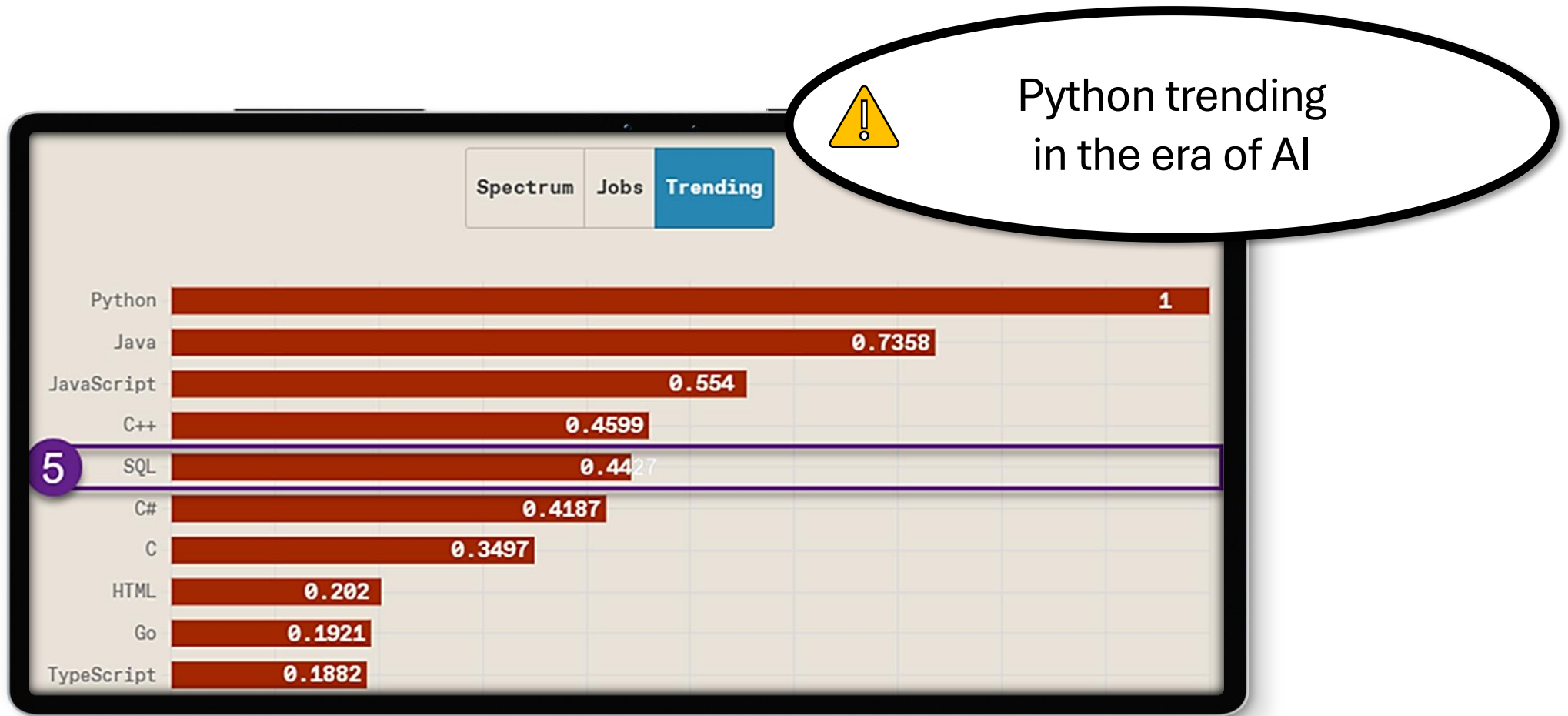
<https://spectrum.ieee.org/the-top-programming-languages-2023>

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# Microsoft Fabric



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Intelligence



Power BI



Partner  
workloads



AI



OneLake



Purview

# 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)

# Soft skills matter!

Assertiveness  
and planning

Communication

Remote  
teamwork

Problem solving

Project  
management



**LEARN & GROW**

**PLAN SKILLS**

**ASSESS RISKS**





**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 occasionally.
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>

## Learn More about Microsoft Fabric

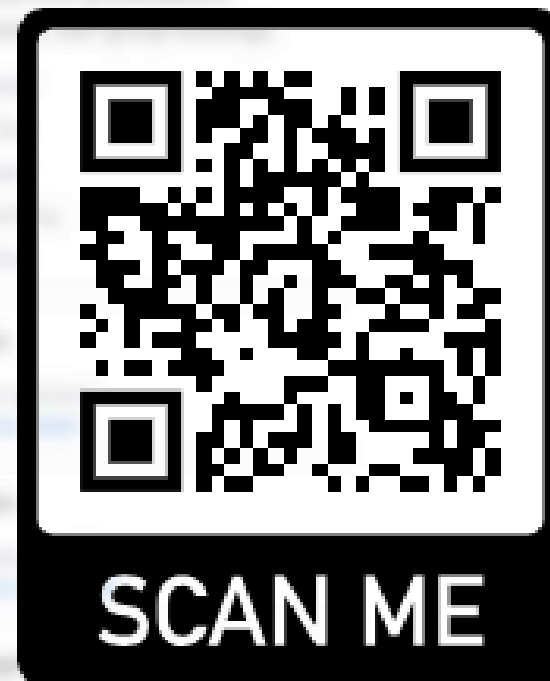
- Product website: <https://aka.ms/microsoft-fabric>
- Documentation: <https://aka.ms/fabric-docs>
- Product Roadmap: <https://aka.ms/FabricRoadmap>
- **Microsoft Learn:** <https://aka.ms/learn-fabric>
- **End-to-end scenario tutorials:** <https://aka.ms/fabric-tutorials>



Follow the **#microsoftfabric** hashtag on social media

# Slides

➔ <https://github.com/pawelpo/presentations>



**Thank you!**