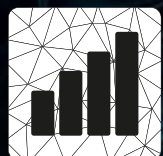




Partners

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

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

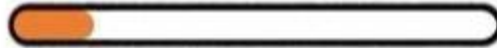
Copy code

```
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





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OneLake

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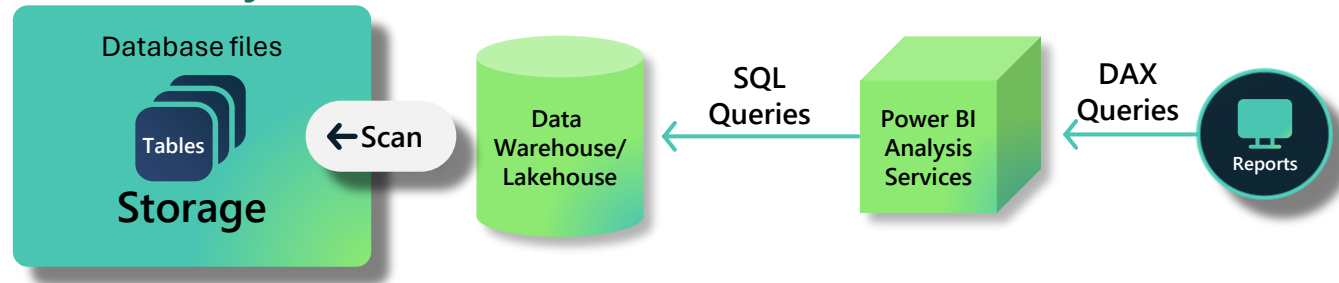
Open at every tier

What does it mean for a Power BI person?

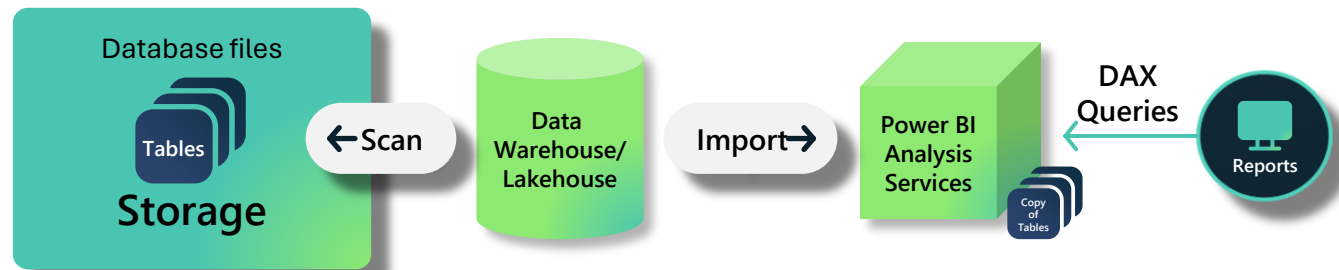
What should be your focus?

New lake-centric technologies

DirectQuery Mode. Slow, but real time

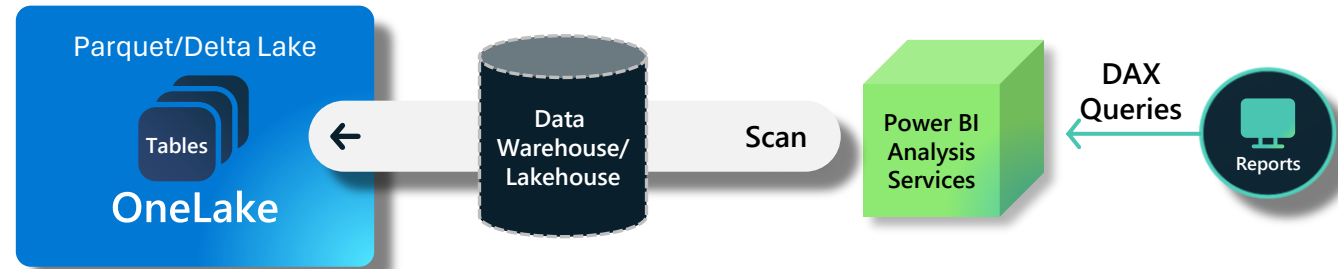


Import Mode. Latent and duplicative, but fast

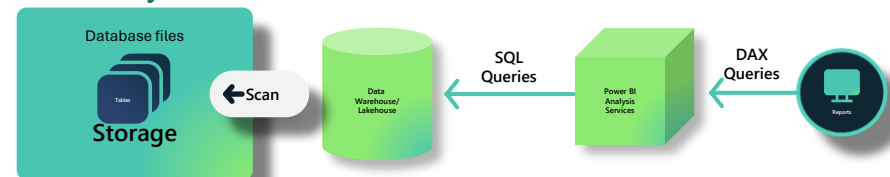


New lake-centric technologies

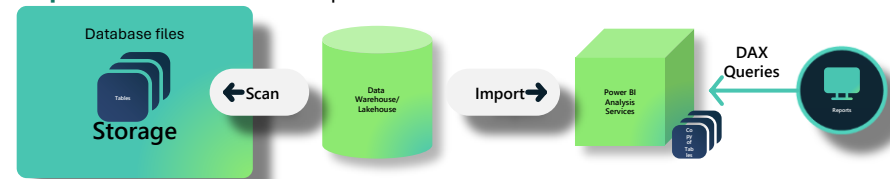
Direct Lake Mode. Fast and real time



DirectQuery Mode. Slow, but real time



Import Mode. Latent and duplicative, but fast





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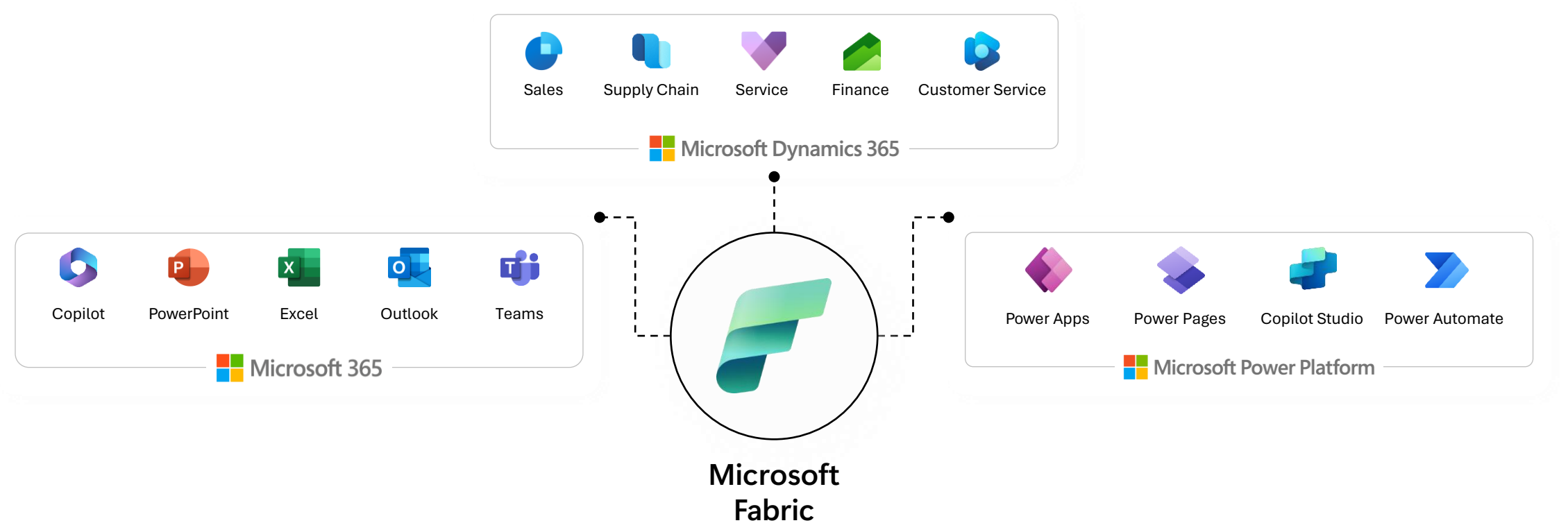
Built into Microsoft 365

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

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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



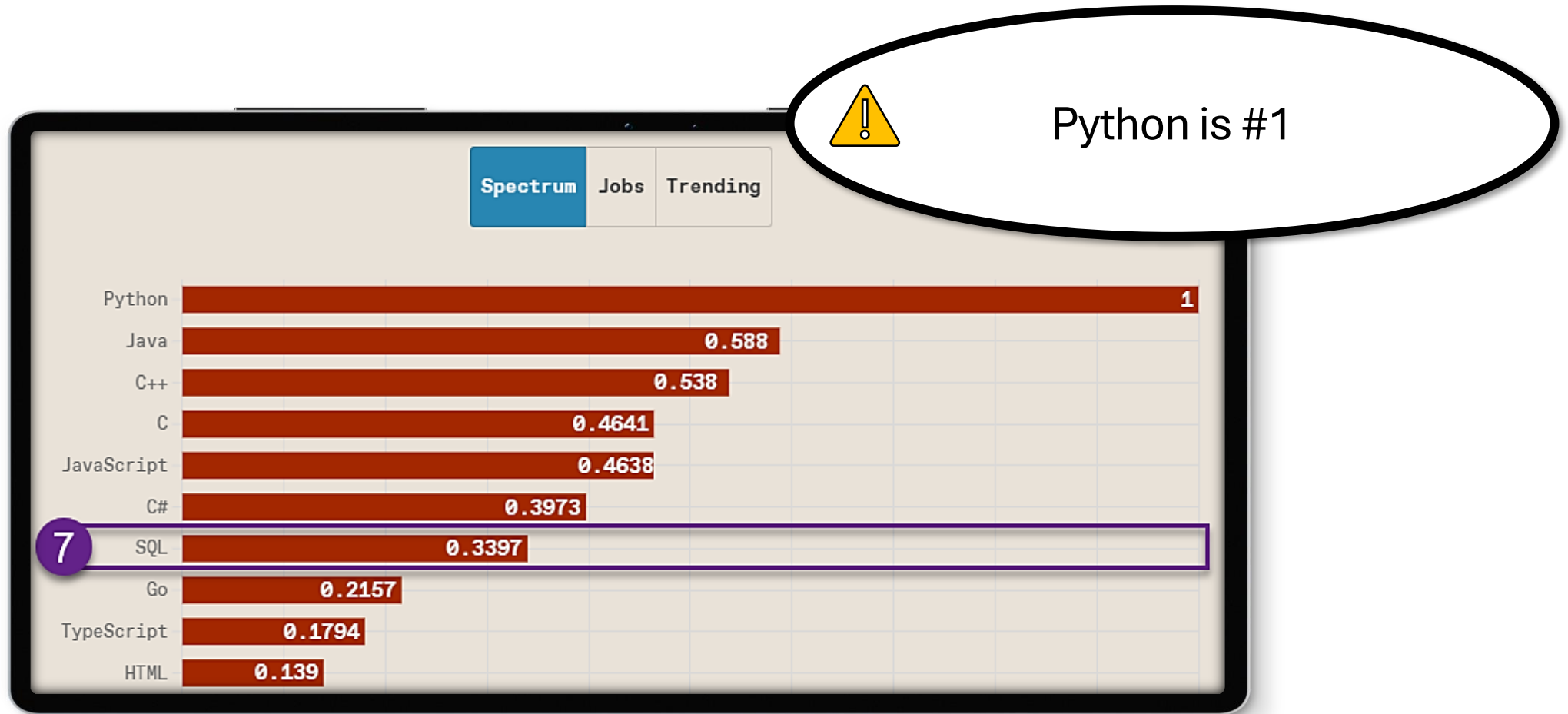
PLAN SKILLS

HOW TO WRITE A CV



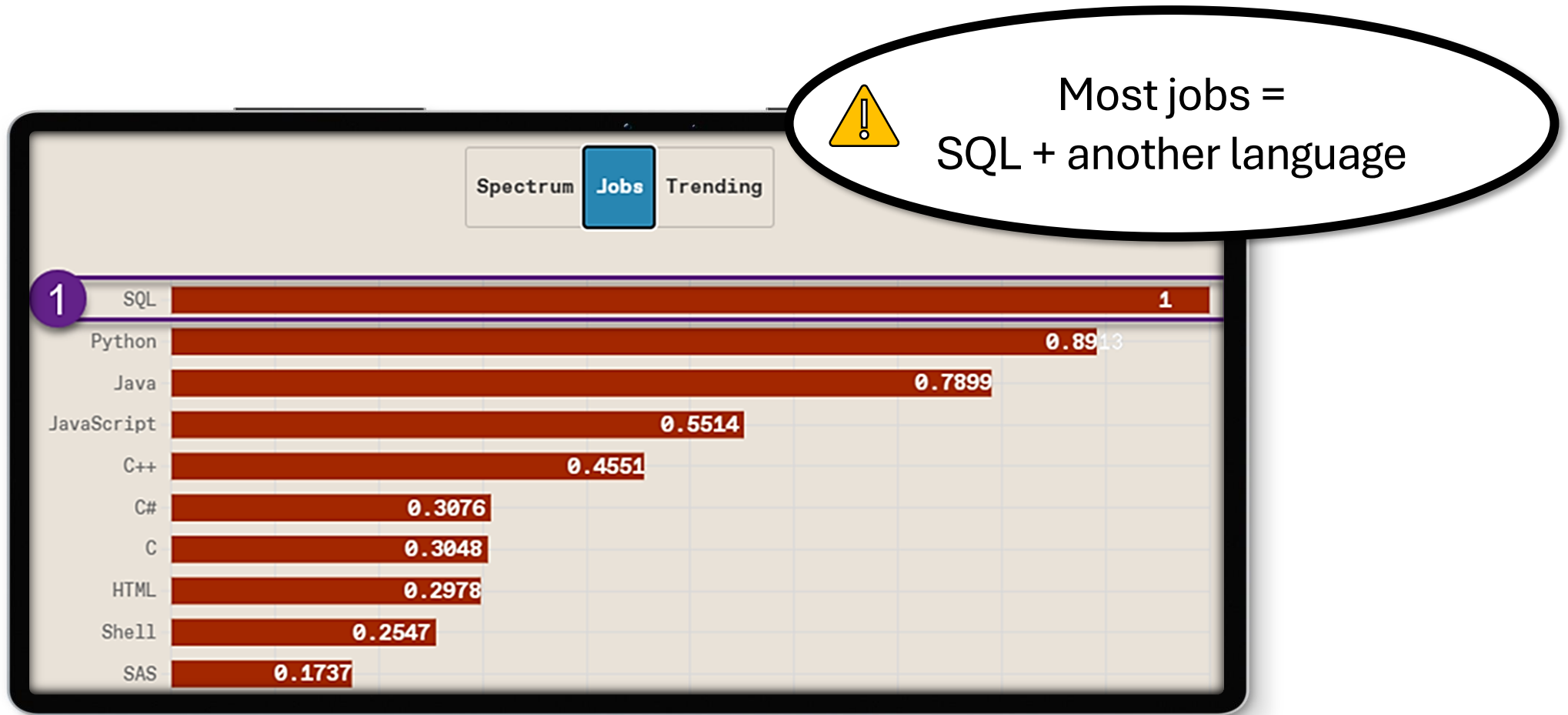
Leverage the NoSQL boom

Top programming languages 2023



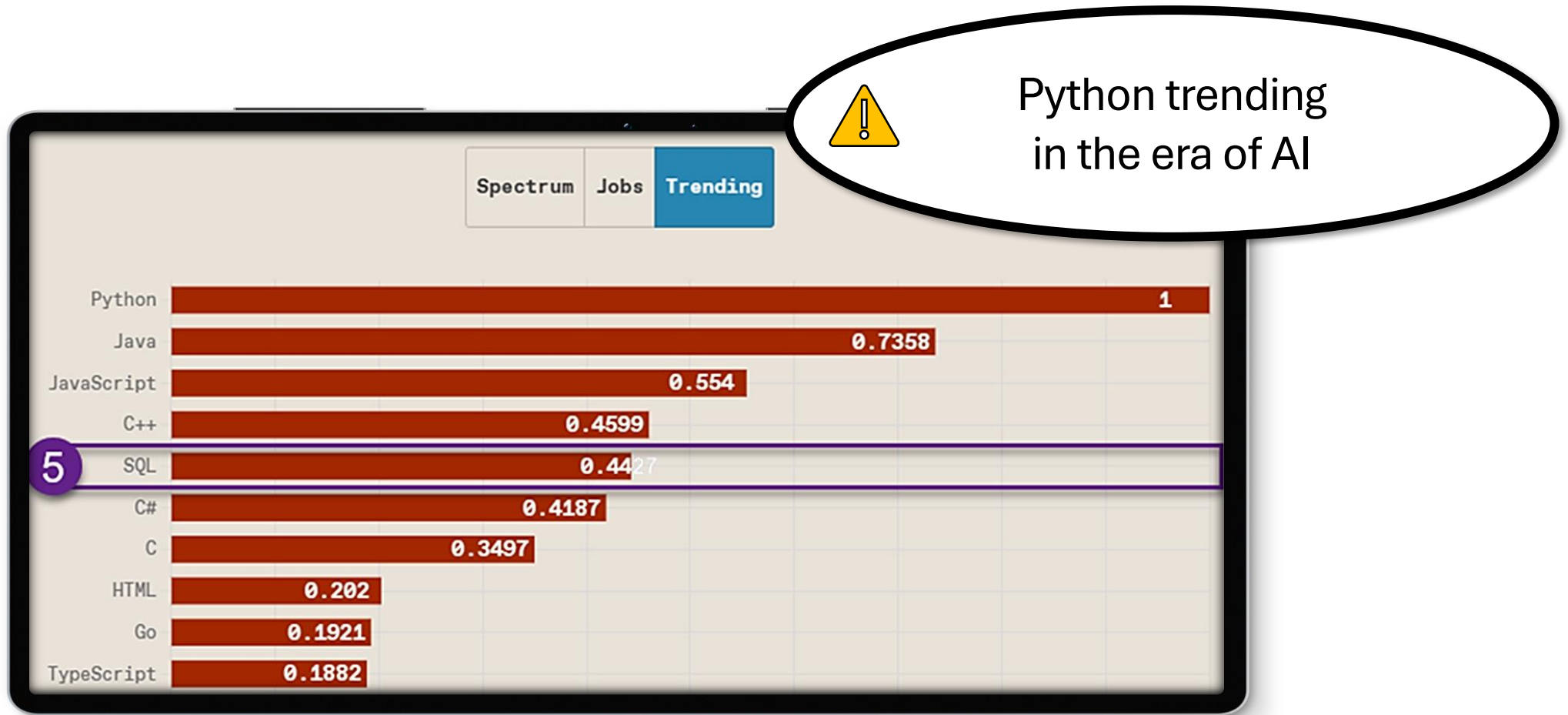
<https://spectrum.ieee.org/the-top-programming-languages-2023>

Top programming languages 2023



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Microsoft Fabric



Data
Factory



Data
Engineering



Data
Warehouse



Data
Science



Real-Time
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)

<https://github.com/RuiRomano/fabricnotebooks>

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

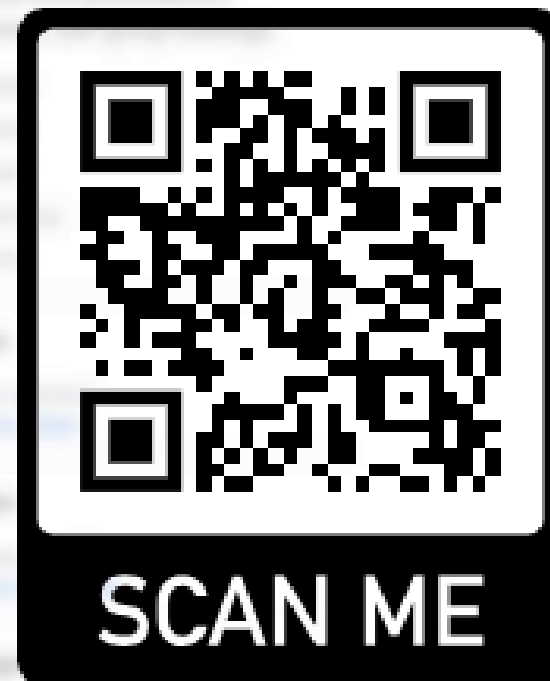
- Product website: <https://aka.ms/microsoft-fabric>
- Documentation: <https://aka.ms/fabric-docs>
- Product Roadmap: <https://aka.ms/FabricRoadmap>
- **Microsoft Learn:** <https://aka.ms/learn-fabric>
- **End-to-end scenario tutorials:** <https://aka.ms/fabric-tutorials>



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

Slides

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



Thank you!