THE TECHNOLOGY PROVIDER

A WORKSHOP BY ALSO

From data to AI

A hands-on workshop with Microsoft Fabric, Fabric IQ and Copilot

Fabric User Group Norway · Oslo · 25 November 2026

Today's question

Kari Nordmann
CEO, Turvær

Today, 08:12

Bergen in October?

Bergen looked weak in October when I glanced at the dashboard. Was it the weather?

Could you send me, before tomorrow's management meeting:

- October revenue and visitors for our two Bergen stores, compared with last October
- how much the rain affected visitors
- a short outlook for the coming week

By this afternoon, Microsoft 365 Copilot answers it for you,

with numbers from Microsoft Fabric that you can trust.

Your workshop lead



Matthias Guntrum

AI solution architect and Microsoft Foundry specialist

Presales Consultant Data & AI at ALSO

linkedin.com/in/guntrumm

- Builds custom AI solutions and agents on Azure
- 10+ years leading technology projects, from strategy to delivery
- Software engineer: C#, .NET and Azure
- Content created with Mathias Müller-Splett, Fabric specialist at ALSO

Four sessions, one story

SESSION 01

Data

An AI-ready foundation

SESSION 02

Context

Fabric IQ gives AI business meaning

SESSION 03

Intelligence

Sales and weather in Copilot

SESSION 04

Experience

From Fabric to Microsoft 365 Copilot

Sessions 1 and 2 with a short break

Session 3 then lunch

Session 4 then your questions

How today works

Story

About 10 minutes: where we are, and why it matters

Hands-on

About 25 minutes in your own workspace, with the lab guide

Recap

What changed, and what it means for your work

Slides, links, lab guide and your questions

Scan the code, or tap here

Helpers from the user group walk the room. Raise your hand any time.

SESSION 1 OF 4 · AN AI-READY FOUNDATION

Data

01

Where the data lives, how it becomes trusted metrics, and what Copilot makes of it.

OneLake
Data in one place

→

Semantic model
Trusted metrics

→

Fabric IQ
Business meaning

→

Connected data
Across teams

→

Copilot
In the flow of work

Microsoft Fabric in one picture

Capacity: the compute you pay for, from F2 up

Workspace: your items, your roles

Lakehouse

Tables and files, with a SQL endpoint

→

Semantic model

Relationships and measures: the business layer

→

Report

What people look at, with Copilot built in

OneLake One data lake for the whole organization, like OneDrive for data: every Fabric tool works on the same copy

What we prepared for you

Your account

- **Microsoft 365** with a mailbox
- **Microsoft 365 Copilot**
- **Power BI Pro**

Your workspace Turvaer seat NN

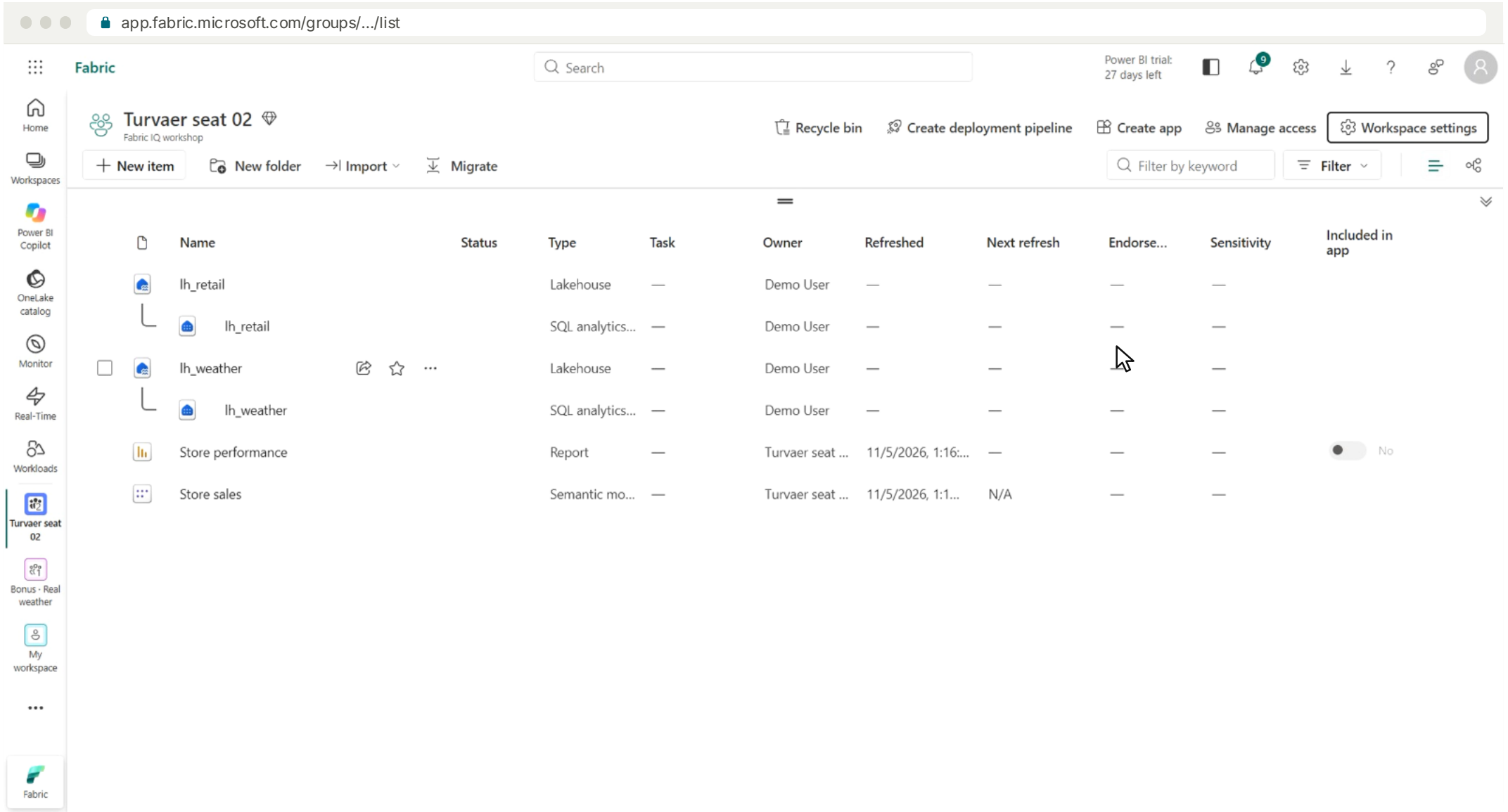
- **lh_retail** stores, products, dates, sales, visitors
- **lh_weather** daily weather per city: another team's data
- **Store sales** semantic model, not AI-ready yet
- **Store performance** report

Shared: Turvaer ready-made

- **Every lab's result** read-only, for everyone
- **Retail_ontology** to look at; the labs don't use it

Where everything lives

1 Tenant settings | 2 The workspace | 3 On the capacity



Meet Turvær

A fictional Norwegian outdoor retailer: rain gear, winter, hiking, camping and more.

12 stores	10 cities	79 products	2 years of daily data

East	West	South	Central	North
Oslo (2), Drammen, Lillehammer	Bergen (2), Stavanger, Ålesund	Kristiansand	Trondheim	Tromsø, Bodø

Sales and visitors react to the weather in each city. Closed on Sundays and public holidays.

Where Turvær's data comes from

Today: made for the workshop

A script
Two years of sales and visitors, driven by the weather

→

The kit
As Delta tables, straight into OneLake

→

Lakehouses
lh_retail, with the weather joined by a shortcut

→

Store sales
Reads the tables directly: Direct Lake

→

AI on top
Report and Copilot

In your company

Sources
Shop, ERP and CRM databases, files, APIs

→

Ways in
Mirroring, shortcuts, copy jobs, dataflows

→

Layers
Raw, then cleaned, then shaped for reports

→

Your model
The same Direct Lake model

→

AI on top
The same report and Copilot

Your own data: four ways into OneLake

WAY IN	WHAT IT DOES	STAYS CURRENT	FOR EXAMPLE
Mirroring	Replicates a database into OneLake as Delta tables	Continuously, in near real time	Azure SQL, SQL Server, Snowflake, Oracle
Shortcut	Points at data where it already lives: no copy	Always current	Another team's lakehouse, like today's weather
Copy job, pipeline	Copies data, in full or only what changed	On a schedule	170+ sources; your own servers through a gateway
Dataflow, notebook	Cleans and shapes data on the way	Each time it runs	Power Query without code, or Spark code

Microsoft Learn, 27 October 2026. The model reads the final tables directly (Direct Lake), so new data shows up without an import.

Microsoft Learn: Data ingestion options in Microsoft Fabric

Lab 0 · Sign in · 3 min

You're signed in to Fabric with your workshop account.

- Normal window: open the lab guide from the event page
- Open a private window: Ctrl+Shift+N
- Go to app.fabric.microsoft.com
- Sign in with the username and password on your card
- Workspaces › Turvaer seat NN, your seat number

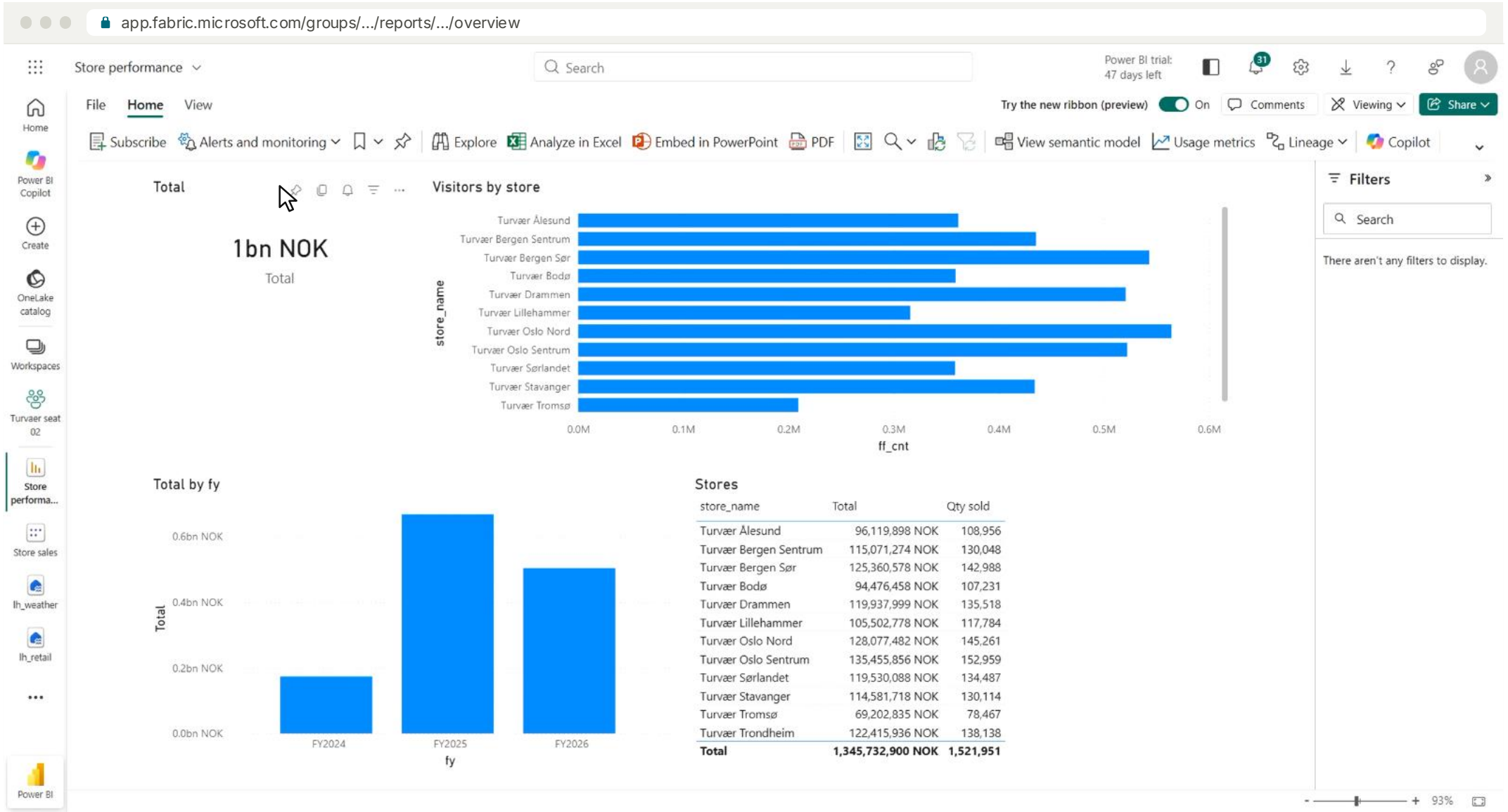
You should see

Two lakehouses, Store sales and Store performance.

Sign-in trouble? Raise your hand: helpers have spare cards.

Every click is in the lab guide

Lab 1a, step by step



Lab 1a · Explore what we prepared · 9 min

You know where the data lives and what the model and report look like.

lh_retail › Tables › dbo › fact_sales: one row per store, product and day

lh_weather › weather_daily: the weather, in its own lakehouse

Store sales: the model diagram, five tables, a measure called Total

Open the report Store performance

You should see

Raw names like amt_net and rgn_cd, no weather in the model, no descriptions.

Stuck? Raise your hand, or open Turvaer ready-made: every lab's result is there.

Every click is in the lab guide

Copilot in Power BI

In the report GA

The Copilot pane answers about the report you're in, and the model behind it.

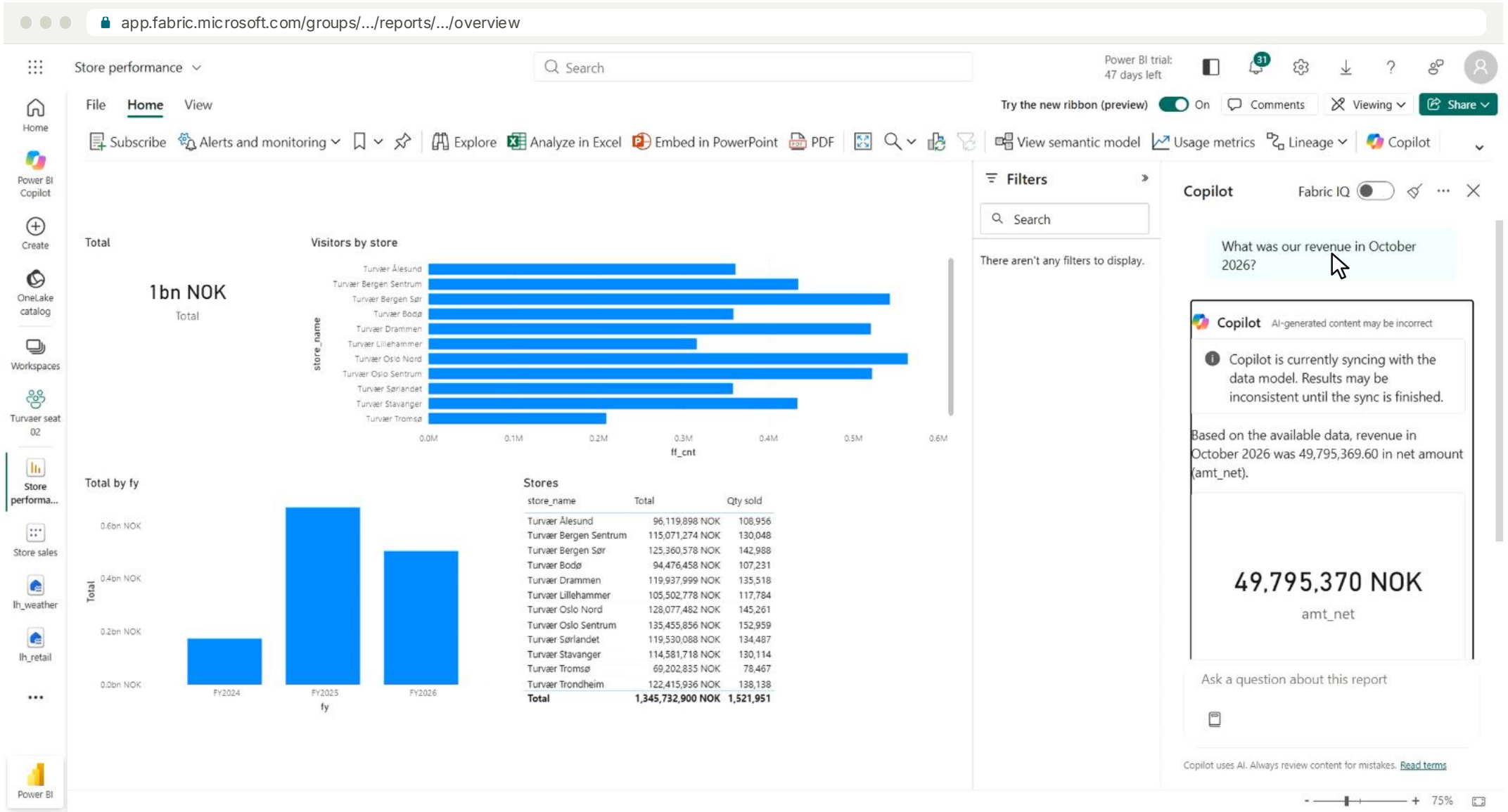
Full screen Preview

Searches every report and semantic model you can access.

Copilot reads the semantic model. It needs a paid capacity from F2 up; the trial can't run it

Lab 1b, step by step

1 Ask Copilot



Lab 1b · Ask Copilot · 12 min

1 Data

Ask Copilot in the report five questions, Fabric IQ off; note each answer and whether it looks right.

- What was our revenue in October 2026?
- Which region had the highest revenue in fiscal year 2025?
- What was the conversion rate in Bergen in October 2026?
- Optional: top 3 rain gear products in October 2026
- Optional: did rainy days reduce visitors in Bergen?

You should see

Confident answers. We'll check them together; your answers stay in the lab guide.

Stuck? Raise your hand, or open Turvaer ready-made: every lab's result is there.

Every click is in the lab guide

The correct answers, and why Copilot missed them

QUESTION	CORRECT	WHAT TRIPS COPILOT UP
Revenue, October 2026	NOK 49.8 M	sales_amt and "Total" include 25 % VAT: NOK 62.2 M
Top region, FY2025	East (R1)	The fiscal year starts 1 February; regions are codes
Conversion, Bergen, October	21.6 %	Nothing in the model says what conversion means
Rainy days and visitors	1526 vs 1845 a day	The weather isn't in the model at all

AI reads names, not meaning.

Copilot only knows what the model tells it. Next, we give it the business context.

Short break.

Back in 15 minutes, with Session 2: Context.

SESSION 2 OF 4 · FABRIC IQ GIVES AI BUSINESS MEANING

Context

02

Teach the model the business: its words, its rules, and the answers you trust.

OneLake
Data in one place

→

Semantic model
Trusted metrics

→

Fabric IQ
Business meaning

→

Connected data
Across teams

→

Copilot
In the flow of work

Prep data for AI: three levers

1

Simplify the schema

Which fields Copilot may use

Hide keys and the VAT-inclusive amount

2

AI instructions

How the business talks, in plain text

Revenue excludes VAT; the fiscal year starts 1 February

3

Verified answers

Visuals you vouch for, with trigger phrases

“visitors per store” shows this exact chart

Also: “Approved for Copilot” marks a model as trusted. It takes up to a day, so we only show it.

Microsoft Learn: Prep data for AI (preview)

What good AI instructions say

Definitions	“Revenue” means net revenue excluding VAT, the sum of amt_net.
Calendar	The fiscal year starts on 1 February; FY2025 ends 31 January 2026.
Names and codes	R2 is Region West: Bergen, Stavanger, Ålesund.
Formulas	Conversion rate = transactions ÷ visitors.
Answer style	Amounts in NOK; compare periods with both values and the change.

Write them like onboarding a new colleague: short, specific, in the business's own words.

Lab 2, step by step

1 Schema | 2 AI instructions | 3 Verified answer | 4 Ask again

app.fabric.microsoft.com/groups/.../reports/.../overview

Lab 2 · Prepare the model for AI · 20 min

Copilot knows Turvær's revenue, fiscal year, regions and conversion.

Store sales › … › Settings › Take over, then open the model and press F5

Editing › Prep data for AI: clear the keys, sales_amt and Total

Add AI instructions: paste the text from the lab guide

Report › Editing › Visitors by store › Set up a verified answer

Reload the report, open Copilot (Fabric IQ off), and ask questions 1 to 3 again

You should see

Revenue without VAT, FY2025 from February, region names, a conversion rate. Changes take a few minutes.

Stuck? Raise your hand, or open Turvaer ready-made: every lab's result is there.

Every click is in the lab guide

Before and after

Revenue, October 2026	✗ incl. VAT	✓ **NOK 49.8 M**
Top region, FY2025	✗ a calendar year, often a code	✓ **East**
Conversion, Bergen	✗ no answer, or a guess	✓ **21.6 %**

Context is part of the data product, not a prompt you retype.

SESSION 3 OF 4 · SALES AND WEATHER IN COPILOT

Intelligence

03

Connect another team's weather to your model, then ask Microsoft 365 Copilot across sales, visitors and weather.



Kari's question needs two teams' data

Sales and visitors

Store sales model, the retail team

“Was it the weather?”

needs both

Weather

lh_weather, another team

A shortcut shows the weather team's table in lh_retail, without a copy.

One table and one relationship bring it into your model: every visitor day gets its weather.

Lab 3a, step by step

app.fabric.microsoft.com/groups/.../modeling/.../modelView

Lab 3a · Add the weather to your model · 12 min

Your model knows each visitor day's weather, and what a rainy day is.

Store sales › Editing › Edit tables: tick weather_daily, keep the others ticked, Confirm

Manage relationships › New: fact_footfall ff_weather_key → weather_daily weather_key, Many to one

Prep data for AI › AI instructions: add the weather text at the end

You should see

weather_daily in the model, linked to fact_footfall, and about 2,200 characters of instructions.

Short of time? Use the ready-made report in the next lab.

Every click is in the lab guide

How Microsoft 365 Copilot reaches your model

1

You ask

In Copilot Chat, with your report's link

2

It finds the model

Through the report

3

It writes DAX

Following your AI instructions

4

It runs it as you

Your permissions, row-level security

5

It answers

And names the report under Sources

Fabric IQ in Microsoft 365 Copilot Chat: generally available, with a Copilot licence. No agent to build.

Microsoft Learn: Fabric IQ in Microsoft 365 Copilot

Lab 3b, step by step

1 Ask Copilot 2 The sources



Lab 3b · Ask Microsoft 365 Copilot · 10 min

Copilot answers across sales, visitors and weather, from your model.

Copy your report's address into the box in the lab guide

Open m365.cloud.microsoft/chat

Ask about rainy and dry days in Bergen, then question 5 again

Sources: your Store performance report

You should see

Fewer visitors per day on rainy days, from your report.

Stuck? Use the ready-made report's address.

Every click is in the lab guide

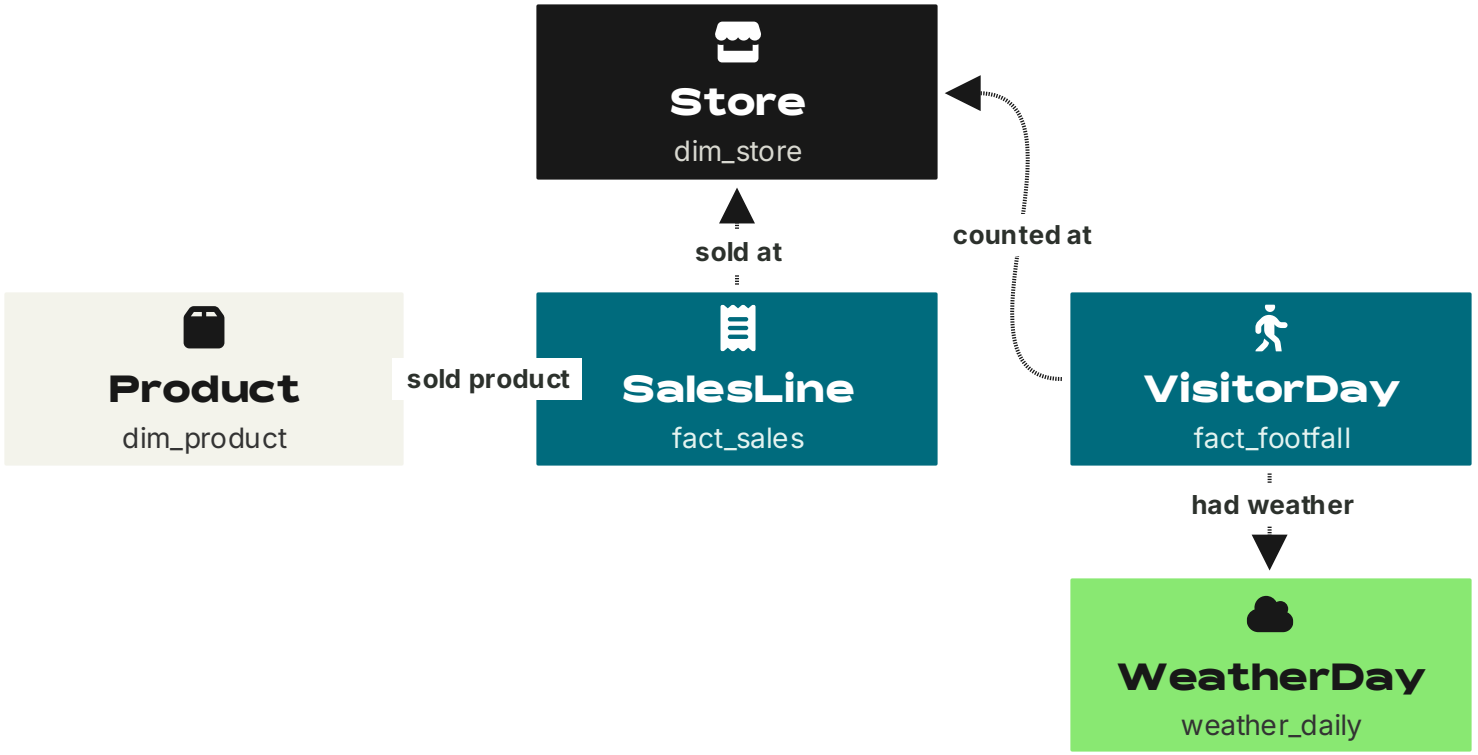
Behind the scenes: one vague word, another number

	Our first rule, tested on 3 Nov	The rule you pasted in Lab 3a
Visitors per rainy day, Bergen	✗ 1,336	✓ **1,526**
Visitors per dry day, Bergen	✗ 1,581	✓ **1,845**

⚠ **Our first rule, "…divided by the days they were open": Copilot counted every day of October, closed Sundays too.**

💡 **Your rule, "A day counts only when the stores had visitors": in the data's own terms.**

Many teams, many models: the Fabric IQ ontology



- Entity types: the things the business talks about
- Relationships: how they connect, across sources and teams
- Bound to tables in OneLake
- Not in today's labs: one model is enough, and Copilot Chat reads it directly

Fabric IQ: the parts

3 Intelligence

PART	WHAT IT DOES	STATUS
Semantic model	Trusted metrics; Prep data for AI makes it Copilot-ready. Today: every lab	GA Preview
Ontology	One map of entities and relationships across sources. Today: shown, not used	Preview
Data agent	A Q&A agent you configure: chosen sources, own instructions. Today: not needed	GA
Graph	Explores the connections as a graph. Today: not used	Preview

Status on Microsoft Learn, 16 October 2026; Prep data for AI is the preview part of the semantic model row.

Microsoft Learn: What is Fabric IQ?

Ontology and data agent: why not today · 5 min

In short

Ontology: one map of entities and relationships, across teams and sources

Data agent: a Q&A agent you configure, with its own sources and instructions

Both pay off with many teams, and for agents beyond Copilot (Fabric IQ MCP)

Today: one model, and Copilot Chat reads it directly (GA). Nothing to build

Open Retail_ontology in Turvaer ready-made

Good to know: Copilot and your Fabric data

- Copilot queries as the user: row-level security still applies ✓
- Link or name the report, so Copilot picks the right model ✓
- Check Sources: a number from an old email looks just as sure ⚠
- Admin switches: Fabric data in Microsoft 365, and the Power BI MCP endpoints ⚠
- Ontologies and data agents reach Copilot Chat only as a published agent (preview): today's labs don't need one ⚠

Lunch.

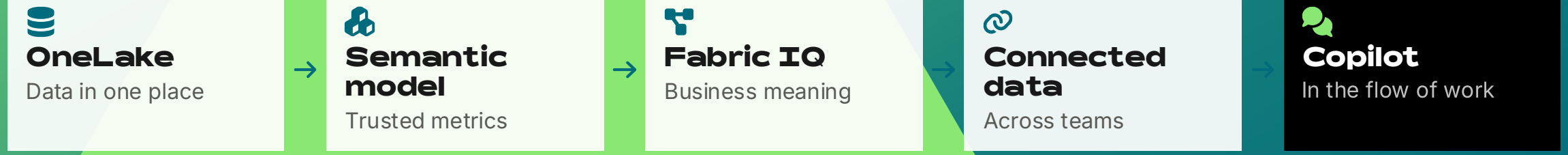
After lunch: Kari's email, answered in Microsoft 365 Copilot.

SESSION 4 OF 4 · FROM FABRIC TO MICROSOFT 365 COPILOT

Experience

04

Bring it together: Copilot reads the email, asks Fabric, checks the web, and drafts your reply.



Microsoft IQ: what Copilot and agents can know

4 Experience

Work IQ

Your mail, meetings, files and chats

Lab 4: Kari's email

Fabric IQ

Business data and its meaning

Today's labs

Foundry IQ

Knowledge from documents, for custom agents

Teaser, and a demo in the bonus

Web IQ

Fresh information from the web

Behind Copilot's web answers

Microsoft 365 Copilot and your agents

Kari's email: the old way and the new way

The old way: many apps

Open the report, filter Bergen and October

Ask Copilot in Power BI, copy the numbers

Look up the weather somewhere else

Write the email by hand

The new way: one conversation

Copilot finds Kari's email

It brings the numbers from your Fabric model

Copilot checks the forecast on the web

It drafts the reply; you review and send

Lab 4, step by step



Lab 4 · Answer Kari's email · 20 min

4 Experience

Microsoft 365 Copilot answers Kari with numbers from Fabric. You approve.

Copilot: find Kari's email about Bergen and list what she asks for

With your report's link: Bergen, October, revenue, visitors, the rain effect

Web: the forecast for Bergen for the coming week

Draft the reply, check the numbers, send it

You should see

A reply you'd be happy to send, every number traceable to Fabric.

Numbers from an email, not Fabric? Ask again with your report's link.

Every click is in the lab guide

Teaser: Foundry IQ

Fabric IQ

Numbers and structure: sales, visitors, weather. Questions become queries.

Foundry IQ

Knowledge in documents: policies, manuals, contracts. Agents retrieve and cite it, with permissions enforced.

Demo in the bonus

A store asks: “Heavy rain tomorrow: what does our staffing guideline say?”

Microsoft Learn: What is Foundry IQ?

What you need to do this at home

FOR	CAPACITY	PER PERSON
Lakehouse, dataflow	Any, the trial included	Fabric (free)
Ontology, data agent	Paid F2 or larger, not the trial	Fabric (free)
Build semantic models and reports	Any	Power BI Pro
Read reports	F64 or larger: no licence needed	Pro below F64
Copilot in Power BI, Prep data for AI	Paid F2 or larger	Pro to edit the model
Fabric data in Microsoft 365 Copilot	Any but Embedded; admin settings on	Microsoft 365 Copilot

Microsoft Learn, checked 16 November 2026. Copilot consumes capacity units by tokens, smoothed over 24 hours.

Microsoft Learn: Fabric licences

Where Fabric IQ is heading

- Ontologies drafted by an agent from your models, data and documents
- A new Copilot in Power BI and Fabric that combines Fabric IQ and Work IQ (preview)
- Fresh from Microsoft Ignite, 17 to 20 November: what changed last week

Your turn: one use case

1. Which business question does your team answer by hand every week?
2. Which data holds the answer, and where does it live today?
3. Which words or rules would Copilot need to know?
4. Who would ask, and where: Power BI, Teams, Outlook?

The worksheet is at the end of the lab guide. Take it home.

What you built today

4 Experience

OneLake
Data in one place

→

Semantic model
Trusted metrics

→

Fabric IQ
Business meaning

→

Connected data
Across teams

→

Copilot
In the flow of work

✓ Explored data in OneLake	✓ Prepared the model for AI	✓ Connected another team's weather	✓ Asked Copilot across sales and weather	✓ Answered Kari in Copilot

Keep exploring

- What is Fabric IQ?
- Ontology (preview)
- Prep data for AI
- Fabric data agent
- Fabric IQ in Microsoft 365 Copilot

Lab guide

To take home: scan the code, or tap here

On-demand training on the ALSO AI Academy

Scan the code, or tap here: ai.also.com

Reach out to your ALSO contact

Takk!



Matthias Guntrum

Presales Consultant Data & AI at ALSO

linkedin.com/in/guntrumm

Tell us what you think

Scan the code, or tap here: a minute of feedback

FOR QUESTIONS, PLAYTIME AND HOME

Bonus

The question everyone asks, and two demos to try yourself

The Fabric IQ switch
Why not just switch it on?

Live weather
Streamed in every minute, with an alert

Foundry IQ
Documents and Fabric data in one answer

Why not just switch on Fabric IQ?

It changes how Copilot works

- Reasons in steps over the report's model
- Shows the DAX query and the data behind the answer
- Answers with a chart

Not what Copilot knows

- Your rules: VAT, fiscal year and regions come from Prep data for AI
- Verified answers: skipped while it's on
- Other data: only this report's model, no ontology
- Kari's inbox: the switch stays in Power BI

A better engine on the same fuel: Labs 2 and 3 add the fuel, Copilot Chat the reach. Use both.

Microsoft Learn: Ask data questions with Copilot and Fabric IQ

Bonus: live weather at our stores

Real-time weather
Five store cities, every minute

→

Eventstream
Cities picked on a map, no code

→

Eventhouse
Every update kept, one query: the weather now

→

Alert
Activator: an email when it rains

Where it helps

Live data without code. Fabric reacts by itself: nobody has to watch a dashboard.

Where it costs

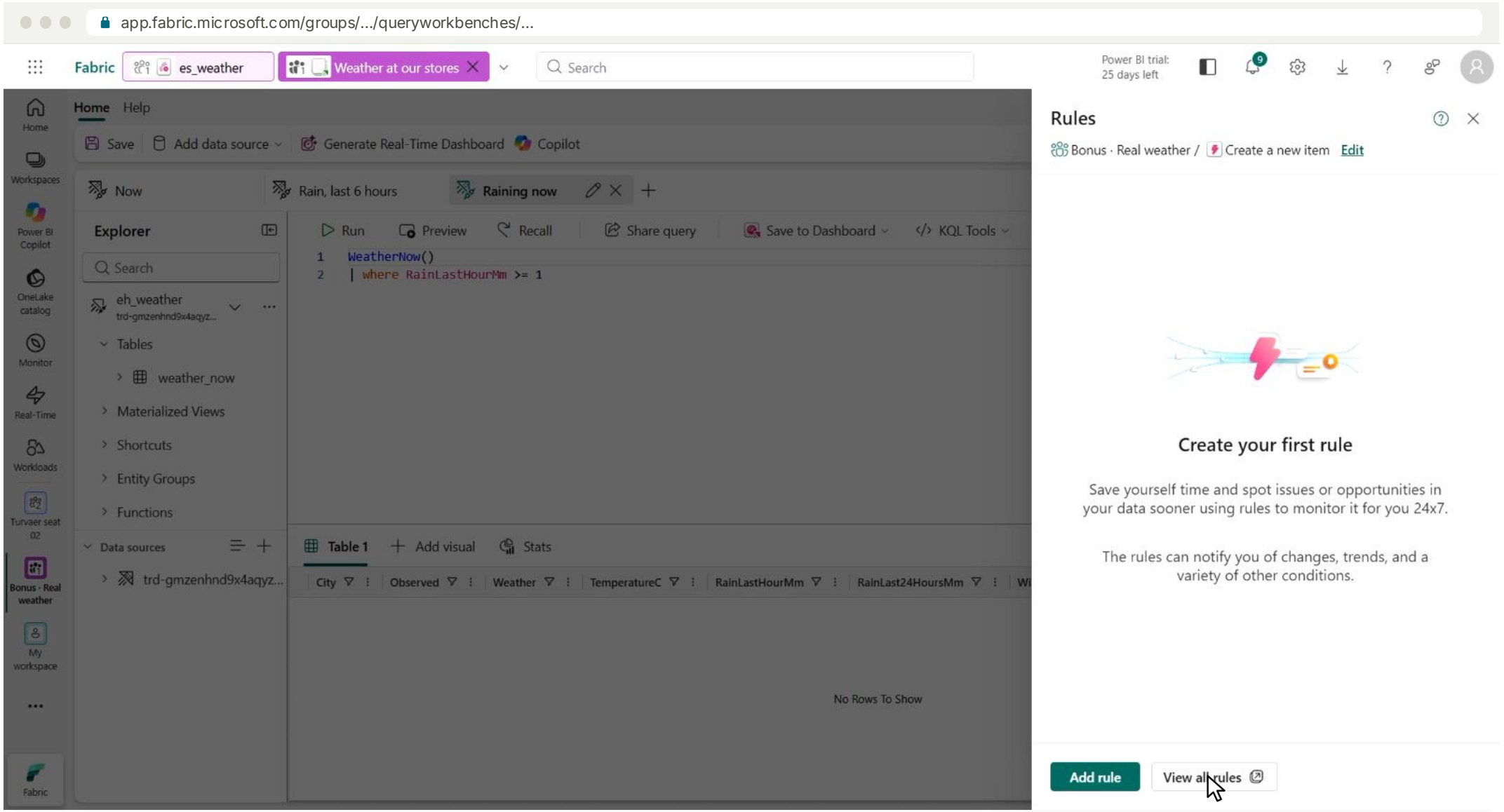
It uses capacity while it runs: pause it after the demo. It's today's weather, not a forecast.

Build it yourself
Every step: scan the code, or tap here

Weather: Azure Maps (AccuWeather), preview, stays in Fabric

Live weather, step by step

1 The stream | 2 The weather now | 3 The alert



Bonus: Foundry IQ, documents and Fabric data

Policies in OneLake
Three files in lh_retail, no copy elsewhere

→

Knowledge base
Foundry IQ indexes them from OneLake

→

Fabric IQ
The ontology: visitors, sales, weather

→

One agent
The rule and the numbers, with sources

Where it helps

Documents and numbers in one answer. The files stay governed in OneLake; Fabric's permissions apply.

Where it costs

Azure AI Search and tokens on top, a running capacity. Both connections are in preview.

Build it yourself
Every step: scan the code, or tap here

Microsoft Learn: What is Foundry IQ? · Connect agents to Fabric IQ

Foundry IQ, step by step

1 Policies from OneLake · 2 Two tools · 3 Ask

