# Thank you to our Fabric February Friends!

twoday

bouvet

sopra steria

DATAMASTERMINDS

ADVANCING ANALYTICS

Evidi

Profisee
Master Data Management

Tabular Editor

KURANT

Fraktal

CluedIn

Dufrain
THE DATA COMPANY

# Boosting Efficiency with Copilot in Microsoft Fabric

FABRIC FEBRUARY 2025

OSLO

# About me

Data Engineer
PRIMO - Microsoft

/anu--singh

# Copilot

AI powered assistant that assists you with tasks, insights, and creativity, making your work easier and more efficient

# Microsoft Copilot Ecosystem

Microsoft 365 Copilot

Microsoft Security Copilot

Dynamics 365 Copilot

Power Platform Copilot

Bing

GitHub Copilot

Nuance

Your own Copilot

# Microsoft Copilot

**Use Copilot as a tool, not a replacement**

Copilot can help you with writing, editing, or formatting your content, but it cannot replace your creativity, judgment, or expertise

**Use Copilot as a source of inspiration, not a source of truth**

Copilot can suggest ideas, headlines, summaries, or bullet points, but it cannot guarantee their accuracy, relevance, or originality.

**Use Copilot as a collaborator, not a competitor**

Copilot can help you with various tasks, but it cannot replace your team members, colleagues, or clients.

**Learn it. Use it. Love it. Improve it.**

# COPILOT FOR MICROSOFT FABRIC

# Microsoft Fabric

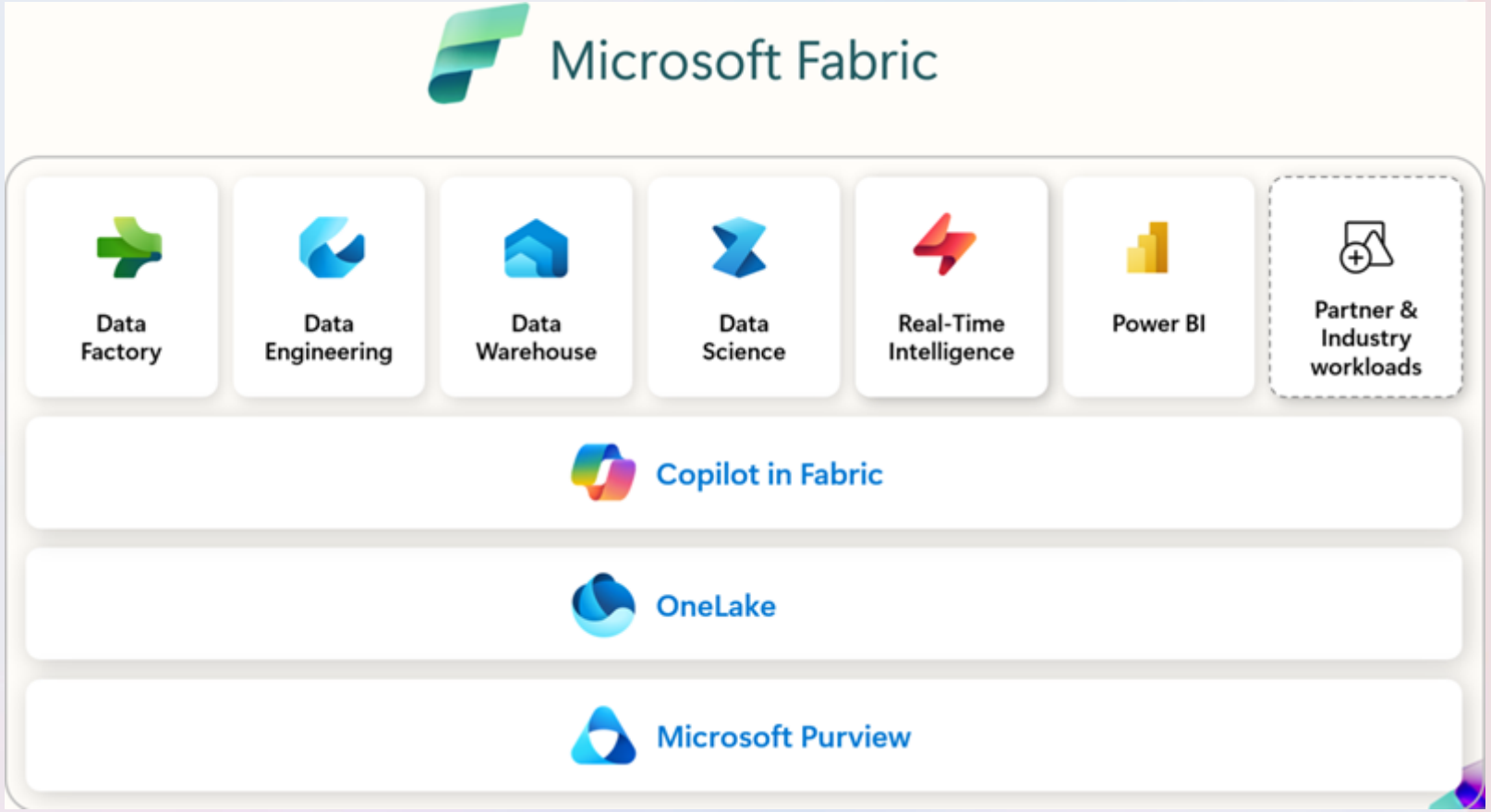
All-in-one analytics solution

Designed to **simplify analytics** with an integrated, end-to-end, and user-friendly product

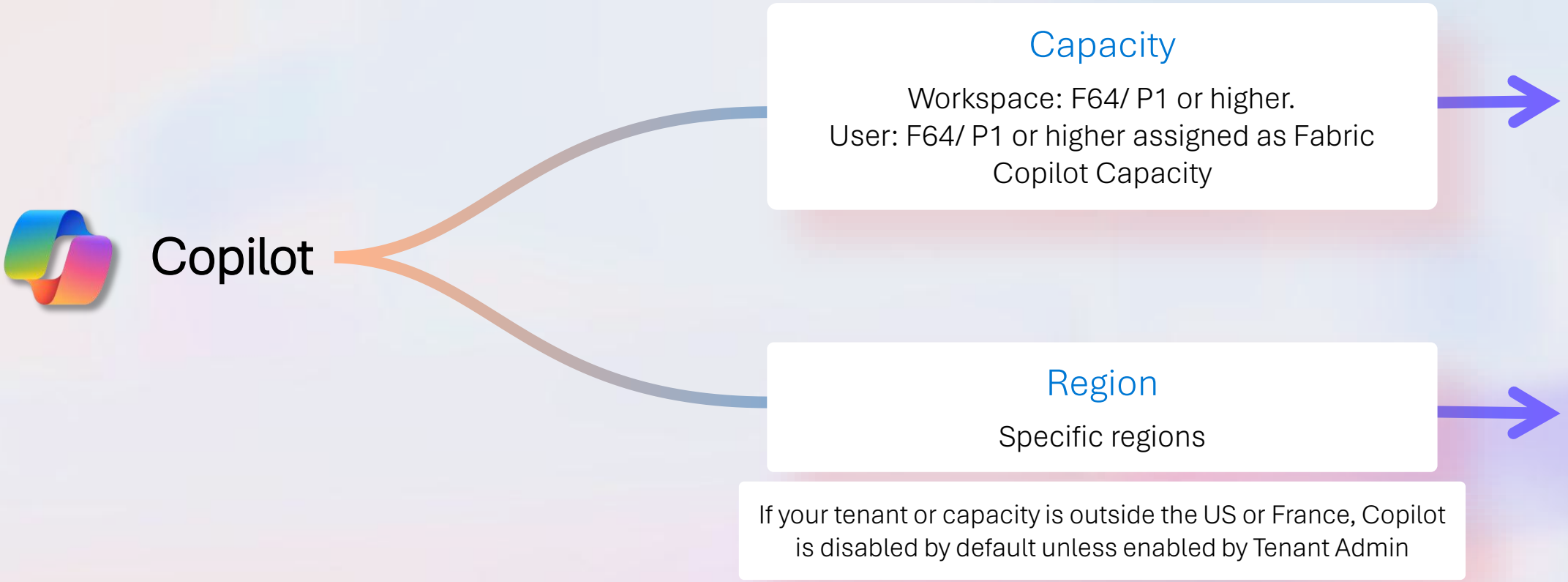
Covers everything from **data movement** to **data science, real-time analytics, and business intelligence**

Comprehensive suite of services, including **data lake, data engineering, and data integration,** all in one place

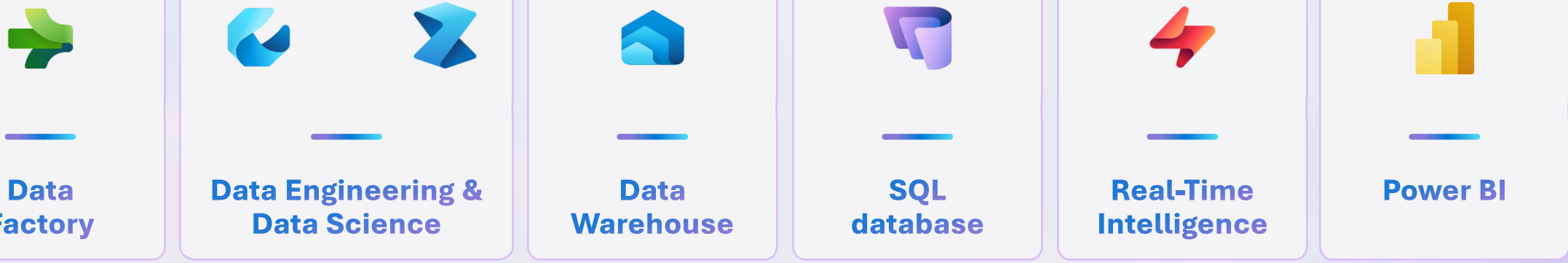
Built on a **Software as a Service** (SaaS) foundation to enhance simplicity and integration.



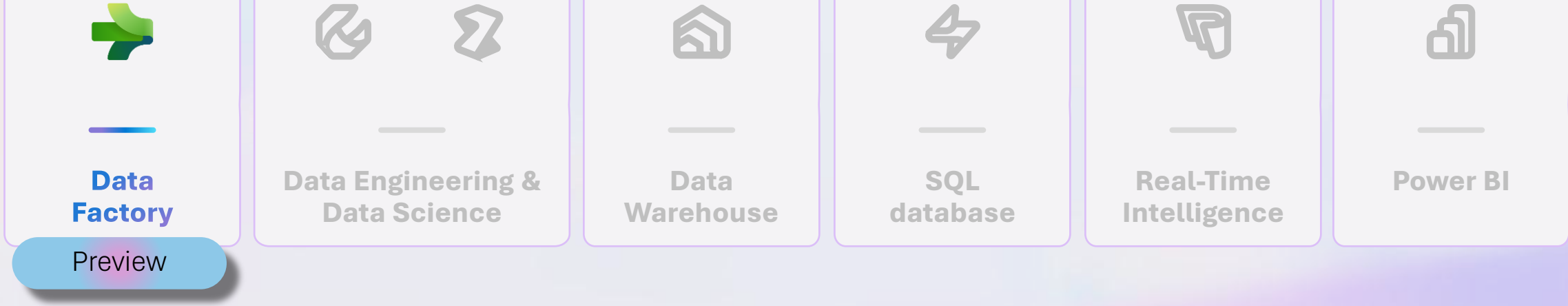
# Fabric Copilot Capacity



# Copilot for Microsoft Fabric



# Copilot for Data Factory

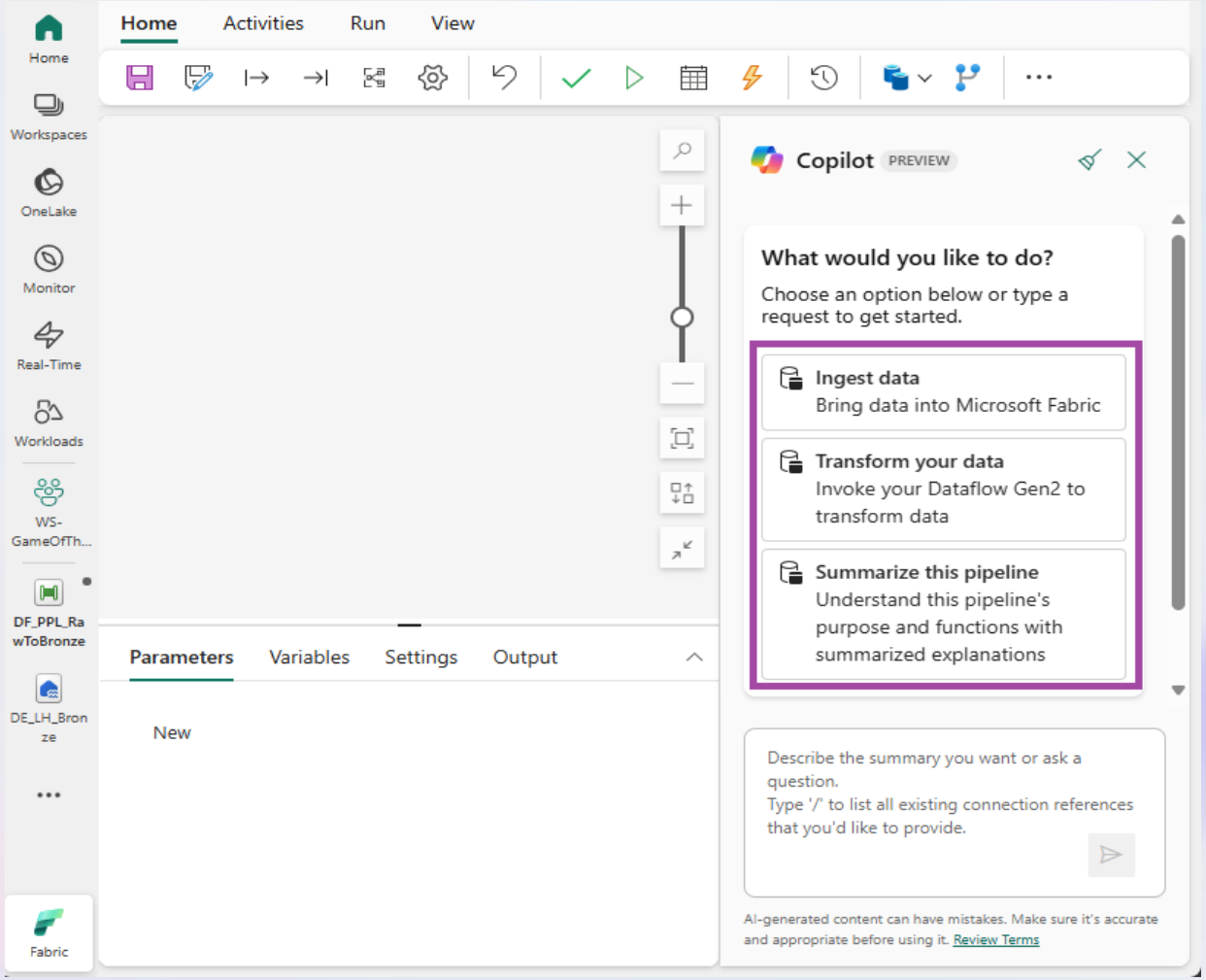


# Copilot for Data Factory: Data Pipelines

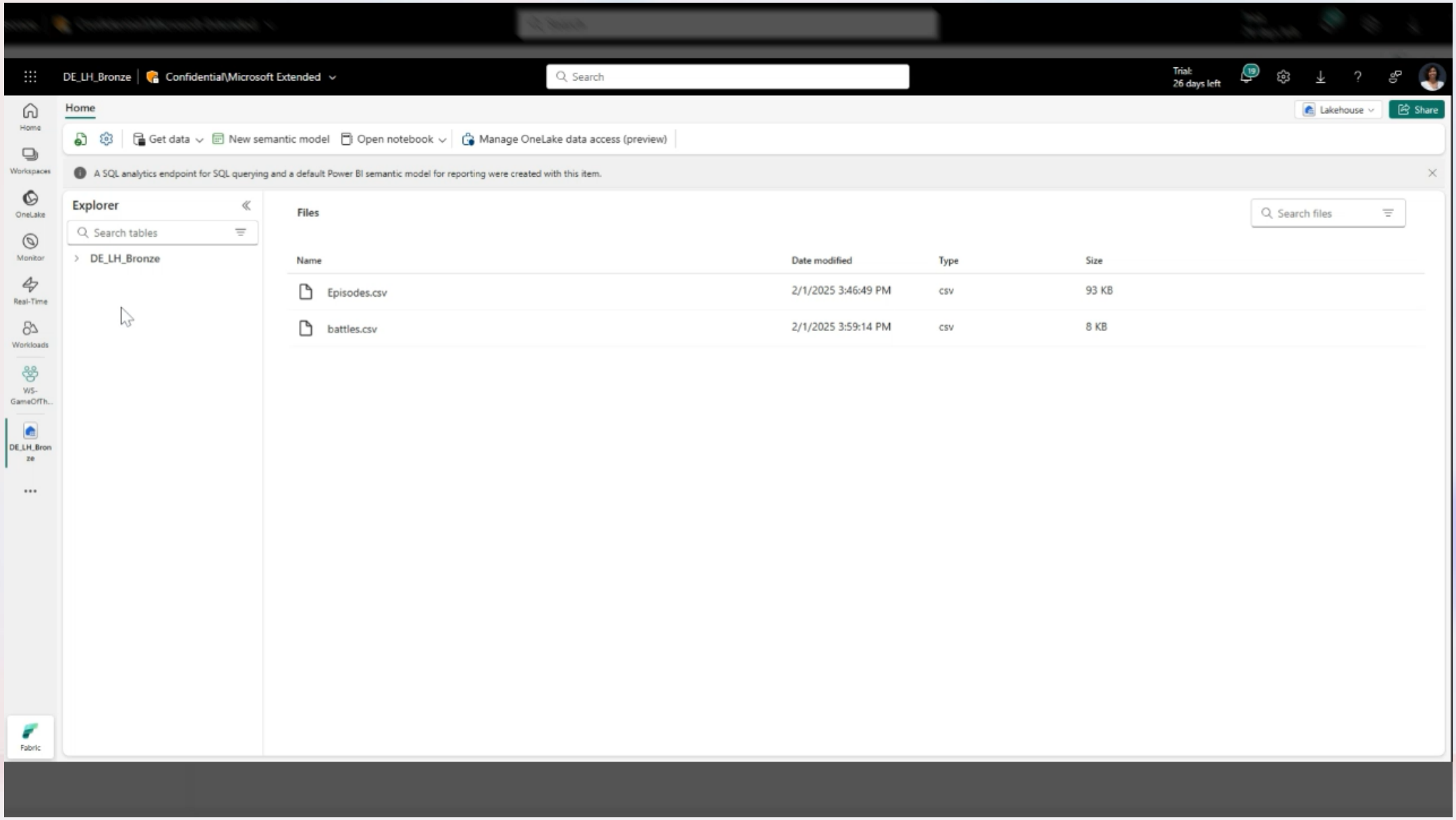
Describe your desired pipeline in natural language, and Copilot will **generate the required activities**.

Get clear explanations and actionable guidance for **troubleshooting Data pipeline** issues.

Provide a **summary of your complex pipeline**, detailing the content and relationships of activities.



# Copilot for Data Factory: Data Pipelines

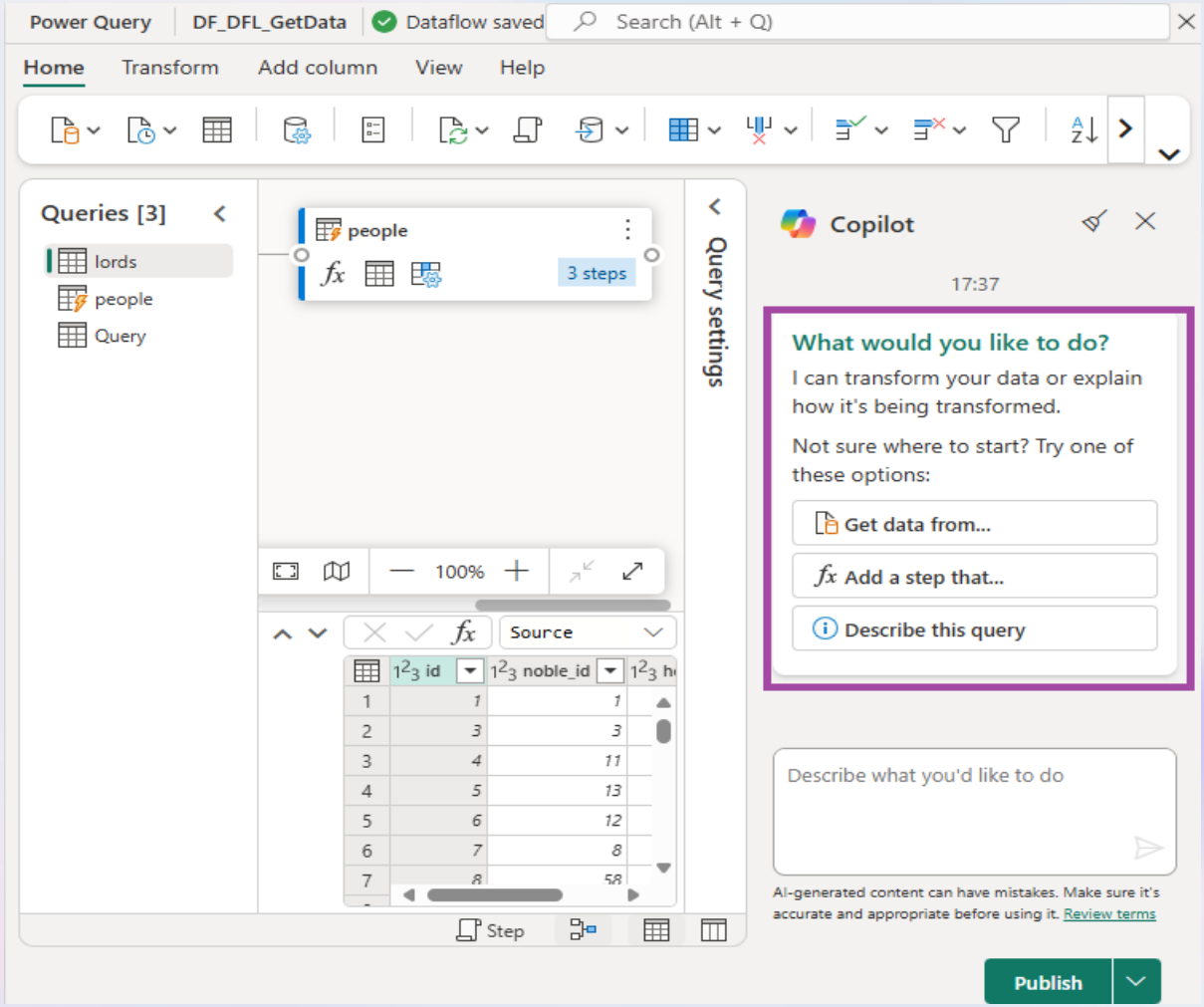


# Copilot for Data Factory: Dataflow Gen2

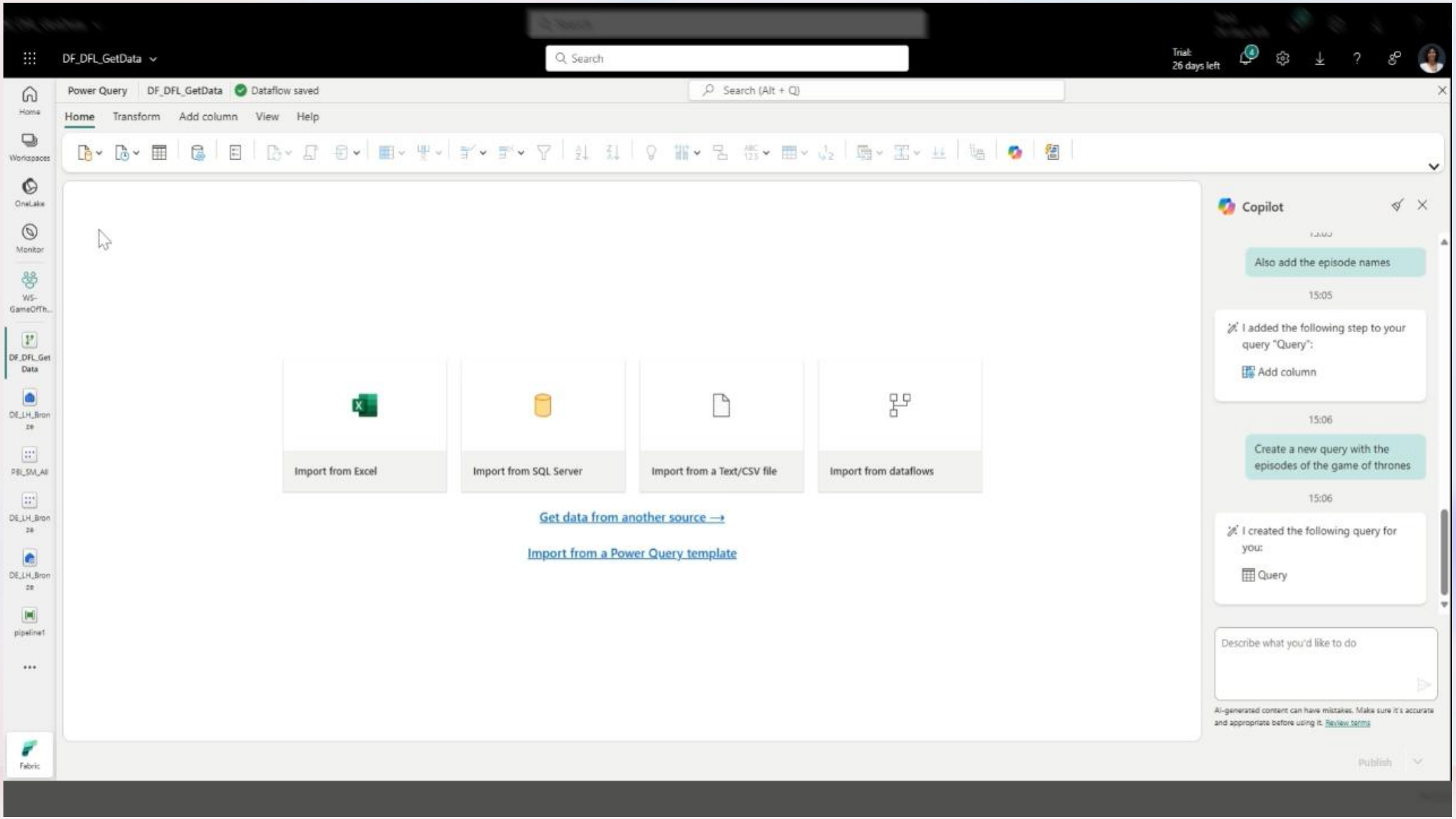
Generate **new transformation steps** for an existing query.

Provide a **summary of the query** and the applied steps.

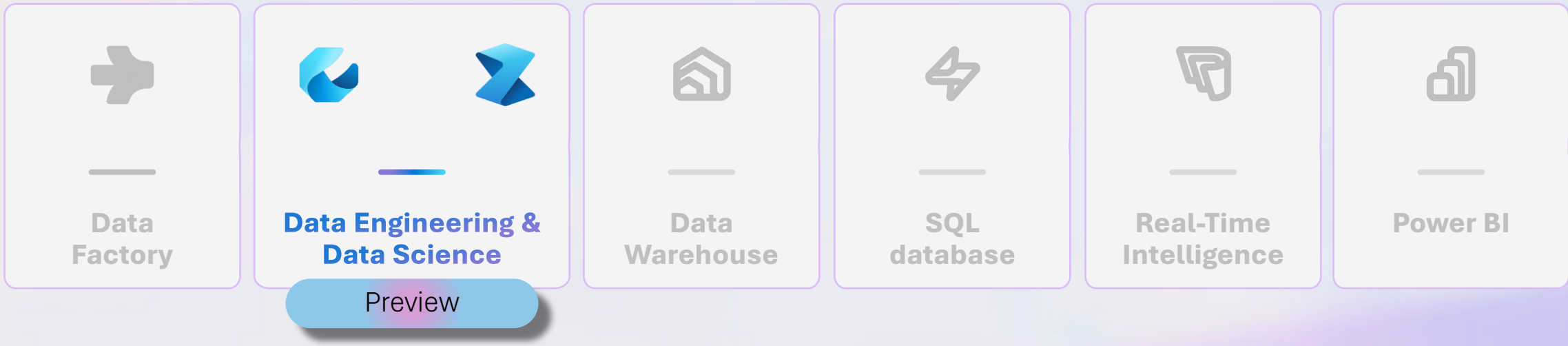
Generate a **new query** that may include sample data or a reference to an existing query.



# Copilot for Data Factory: Dataflow Gen2



# Copilot for Data Engineering & Data Science



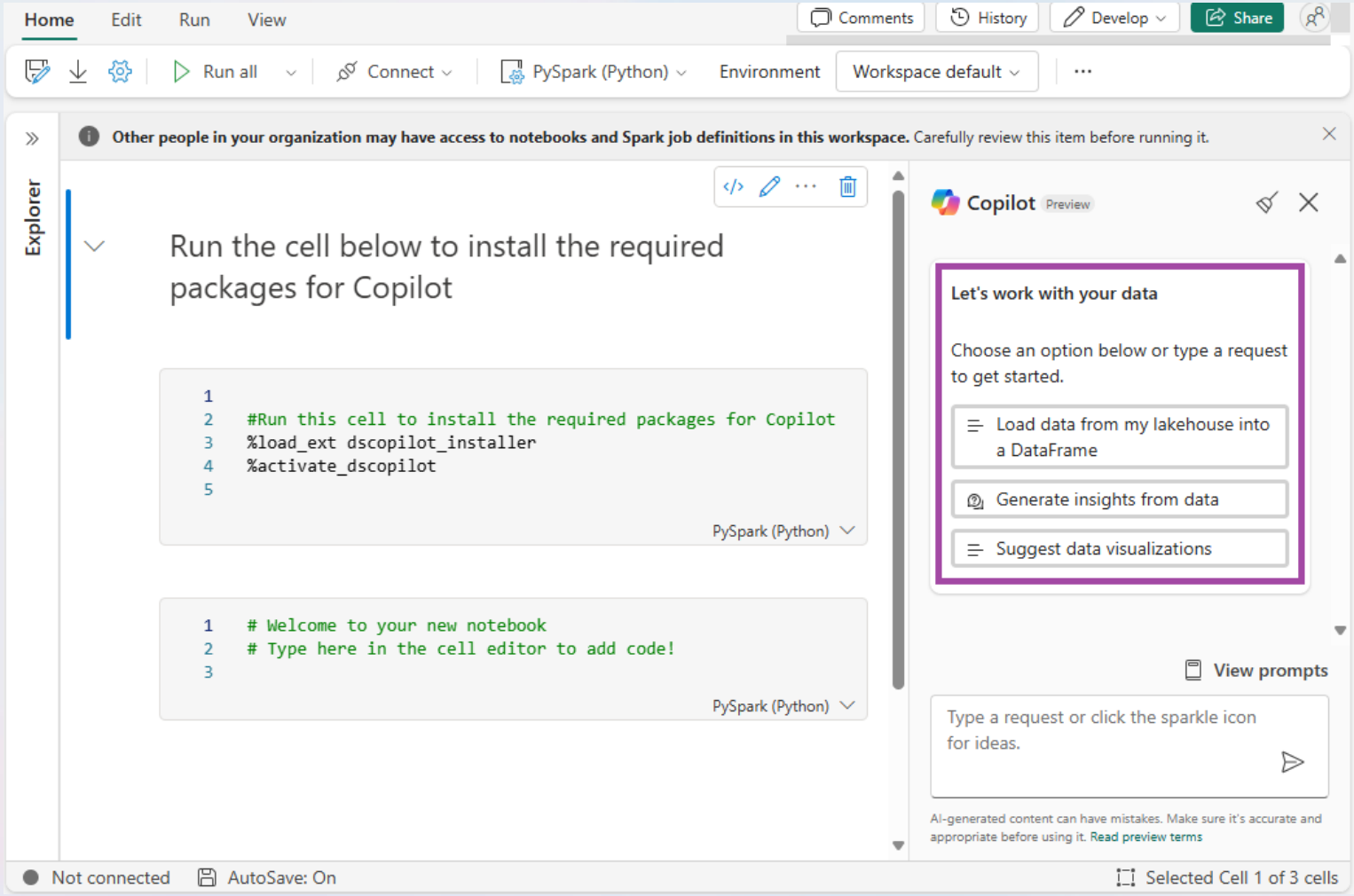
# Copilot for Data Engineering

Generate code, query data, and get suggestions **interactively** to accelerate your workflow.

Quick **data exploration and predictive analytics** capabilities.

**Provide natural language explanations** of notebook cells and **overview for notebook activity** as it runs.

**Fix notebook run errors** as they arise.



# Copilot for Data Engineering

Prerequisite: Required packages needs to be installed for using Copilot

## Chat panel

create dataframes dataframes df_kingdoms, df_reigns, df_kings, df_nobles and df_people from corresponding tables in lakehouse

Combine df_kingdoms, df_reigns, df_kings, df_nobles, and df_people to analyse relationship

Transform the data to create a network graph of relationships

## Chat-magic

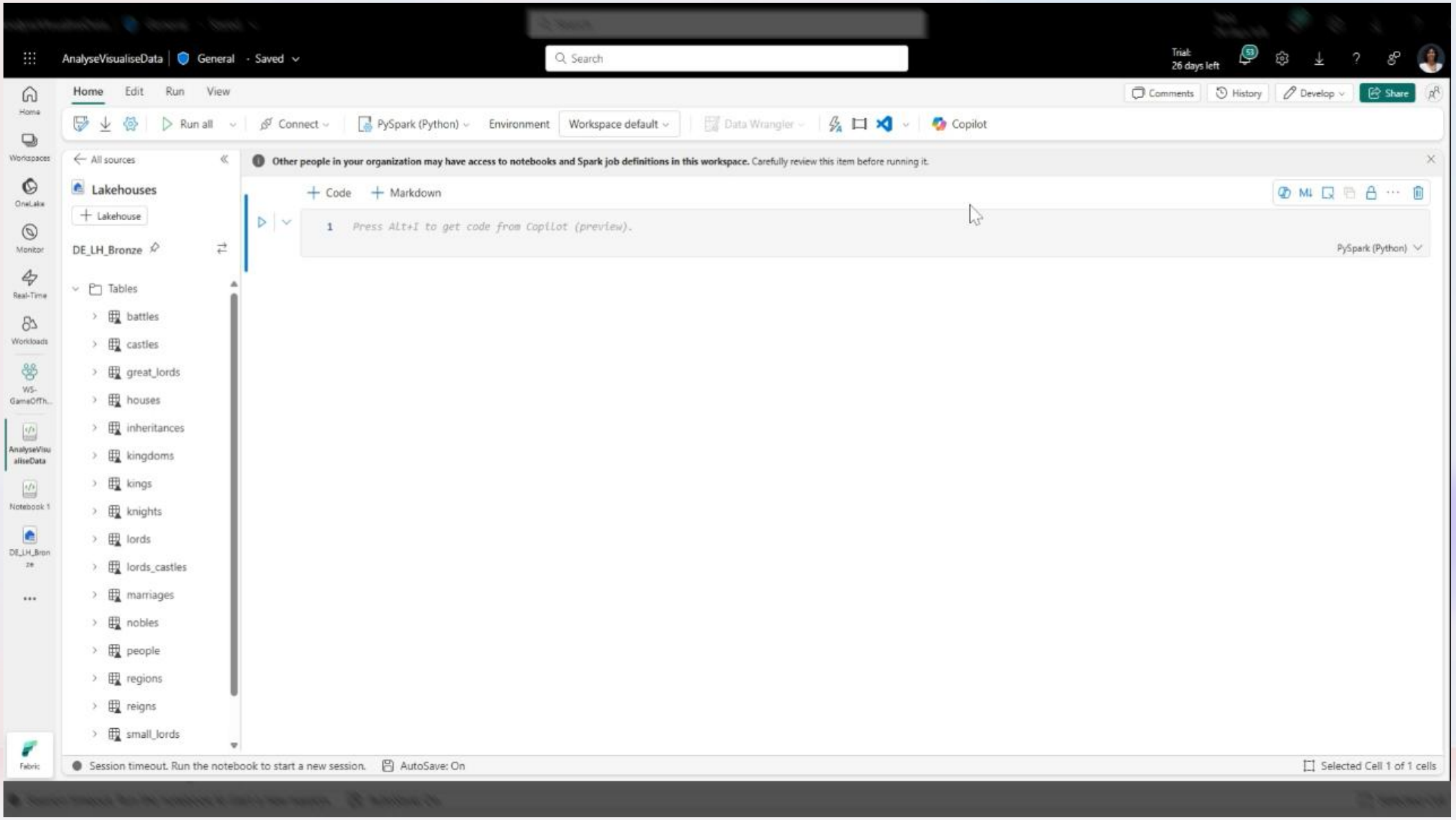
```
%set_sharing_level?
```

```
%%fix_errors
```

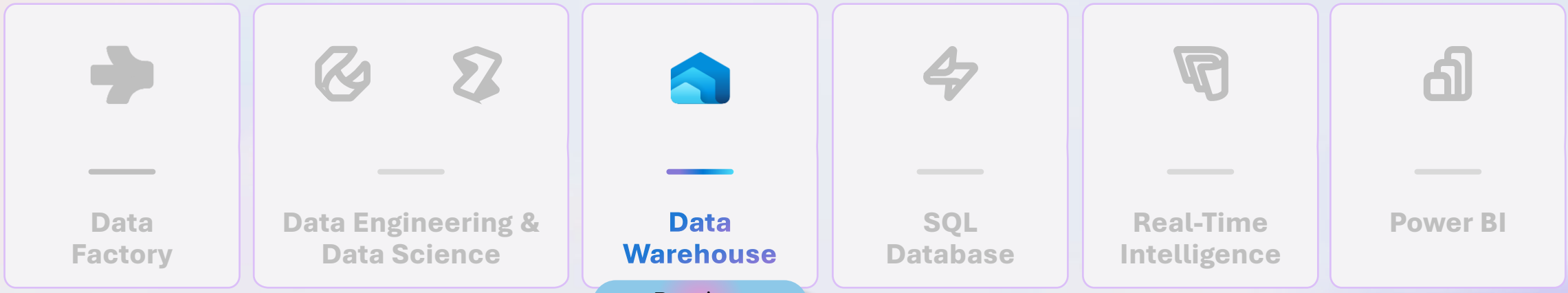
```
%%code
load castles in temporary view and remove rows where region_id is duplicate
```

```
%%code
remove duplicate rows from dataframes df_kingdoms, df_reigns and df_people
```

# Copilot for Data Engineering



# Copilot for Data Warehouse



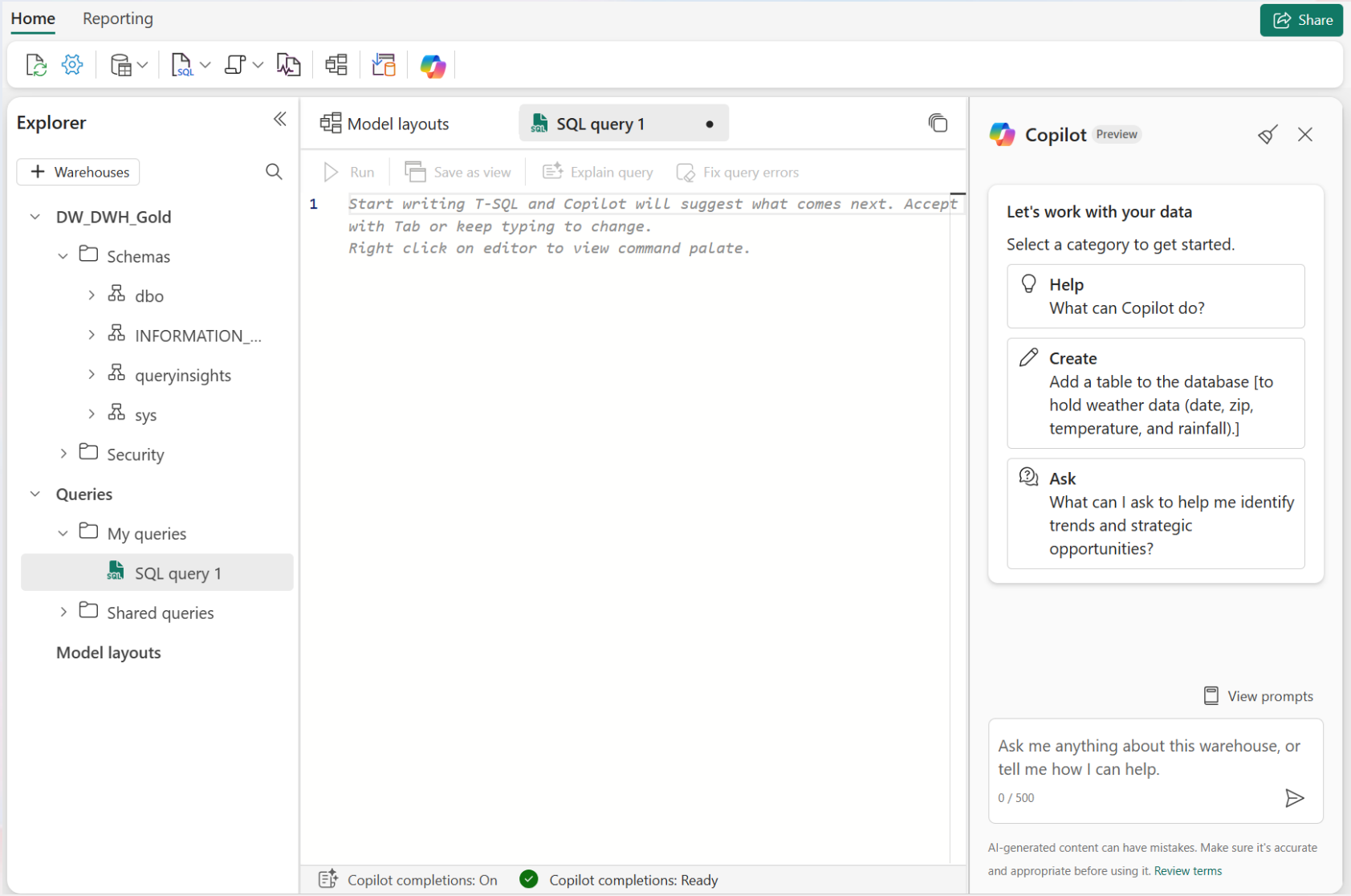
# Copilot for Data Warehouse

**Generate SQL queries** using simple natural language

Get AI-powered **code completions** as you write your query

**Fix and explain SQL queries** with readily available actions (Quick Actions)

Receive **smart suggestions and insights** based on your warehouse schema and metadata



# Copilot for SQL Database

# Copilot for SQL Database

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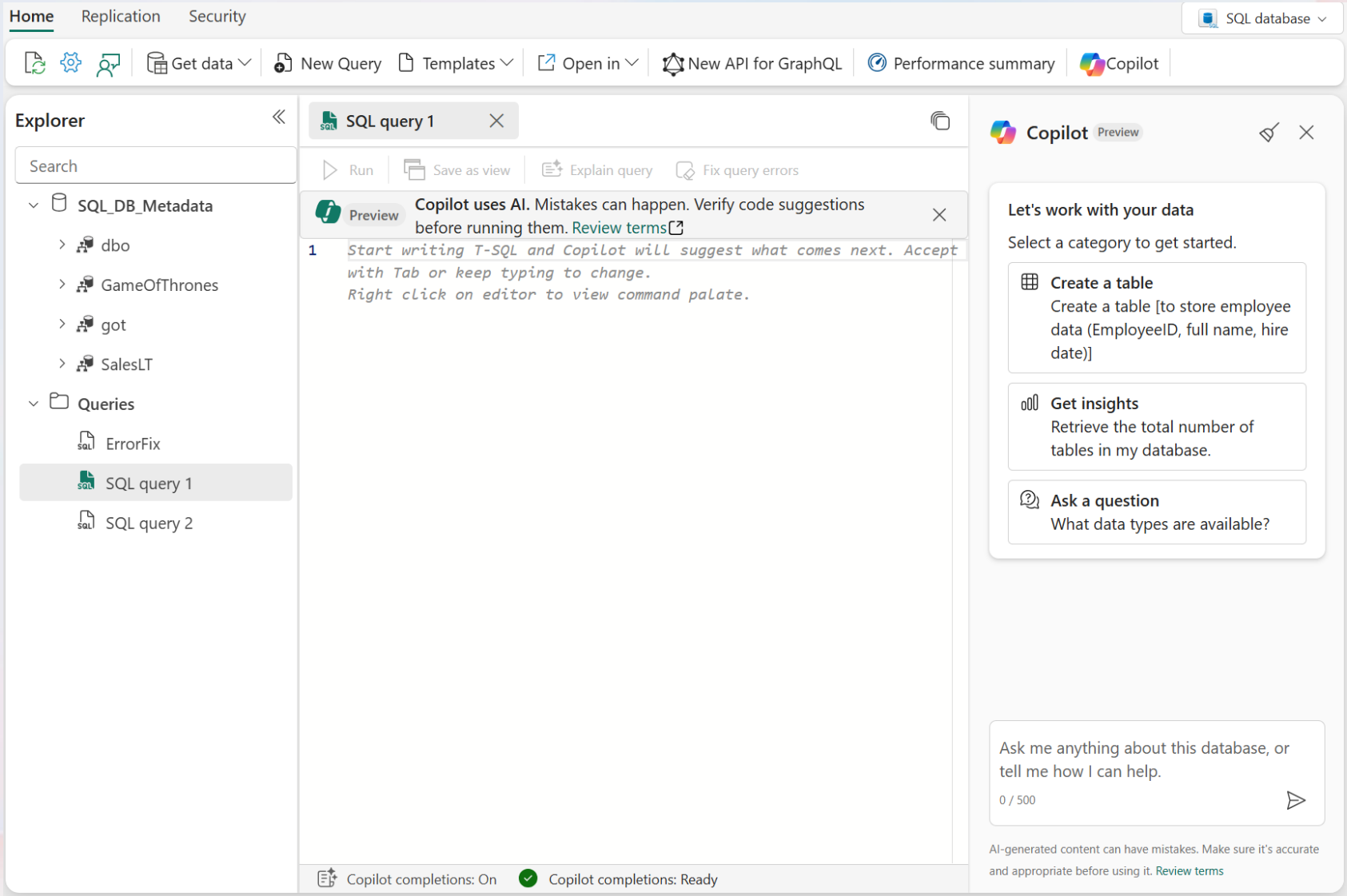
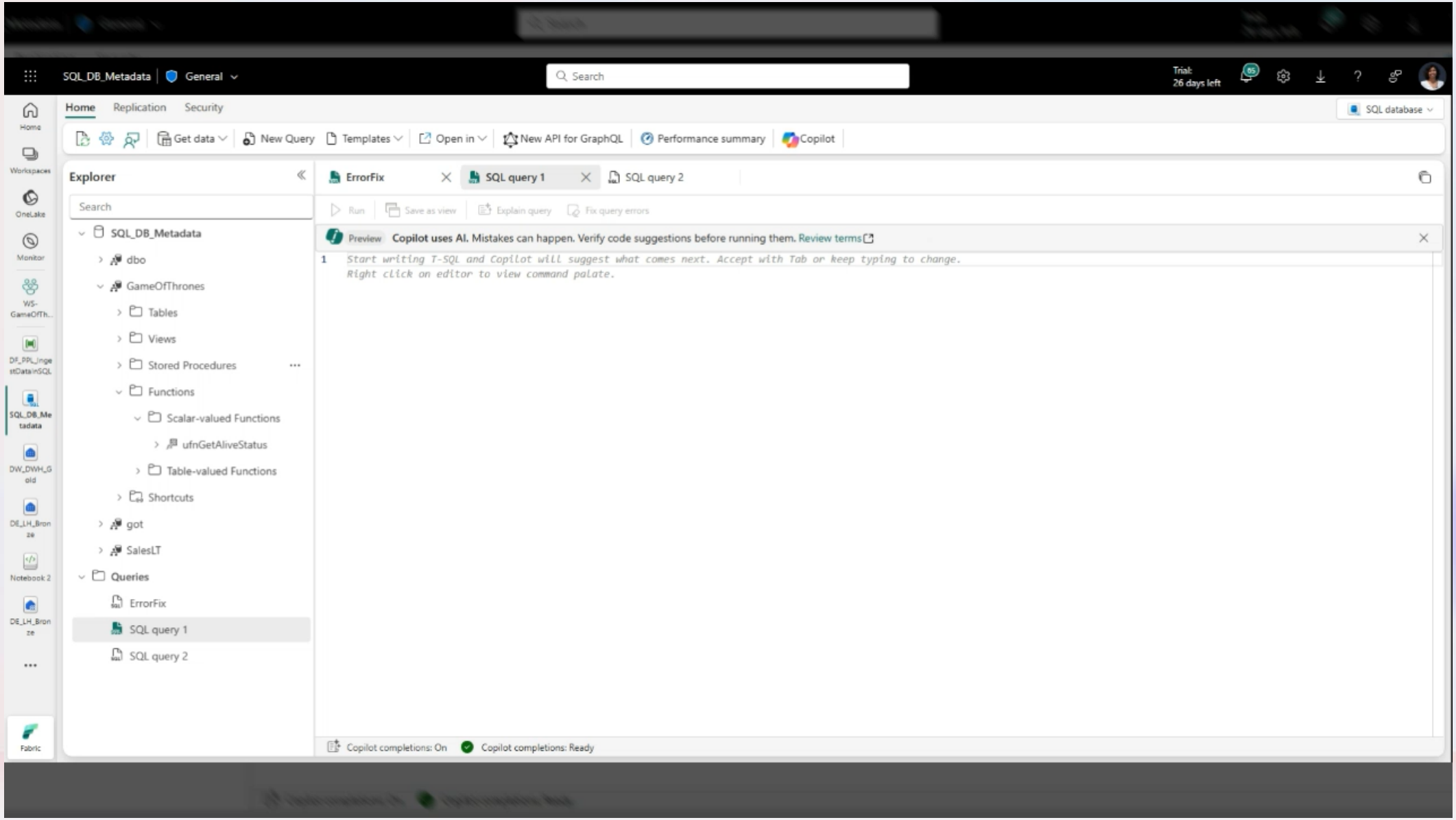
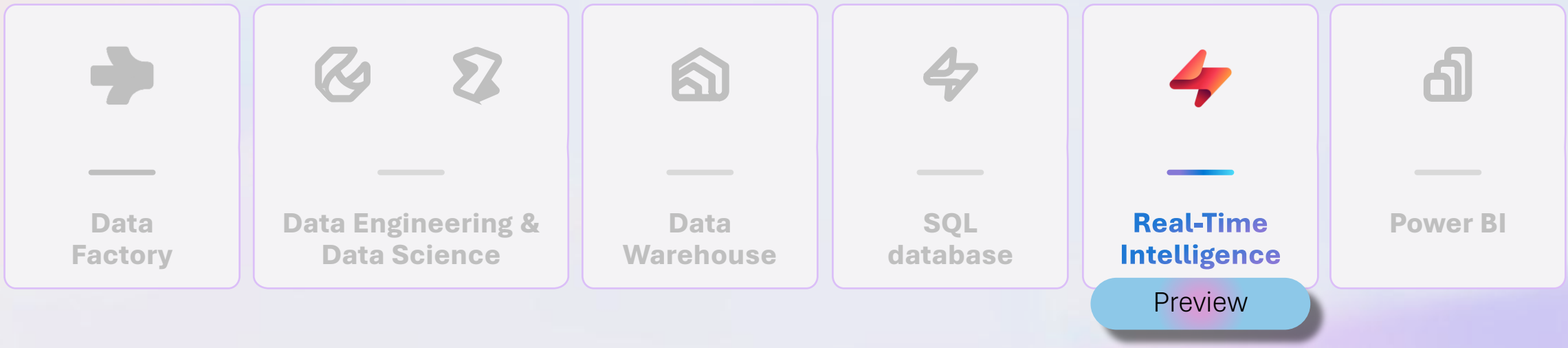


# Copilot for SQL Database



# Copilot for Microsoft Fabric: Real-Time Intelligence

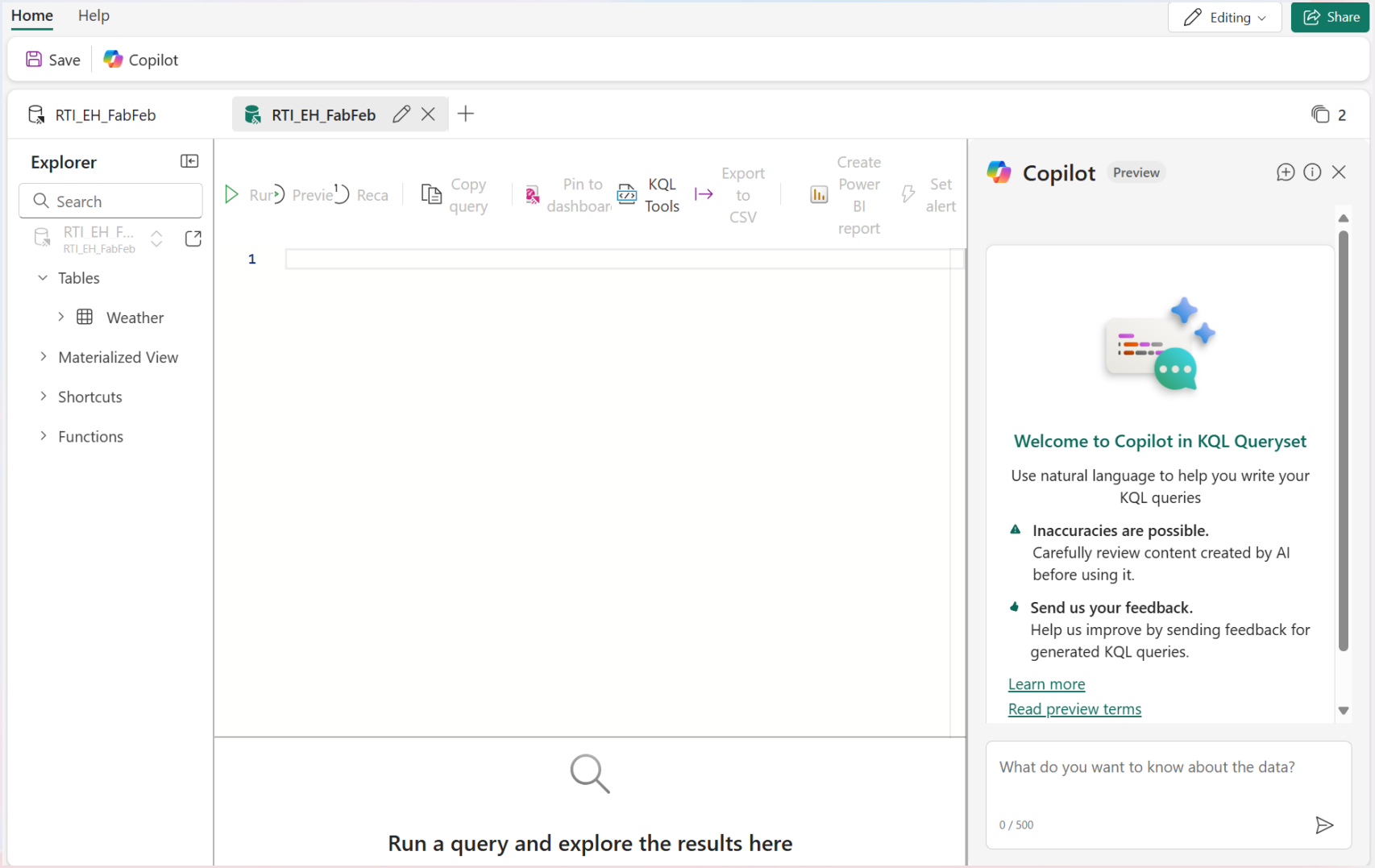


# Copilot for Real-Time Integration

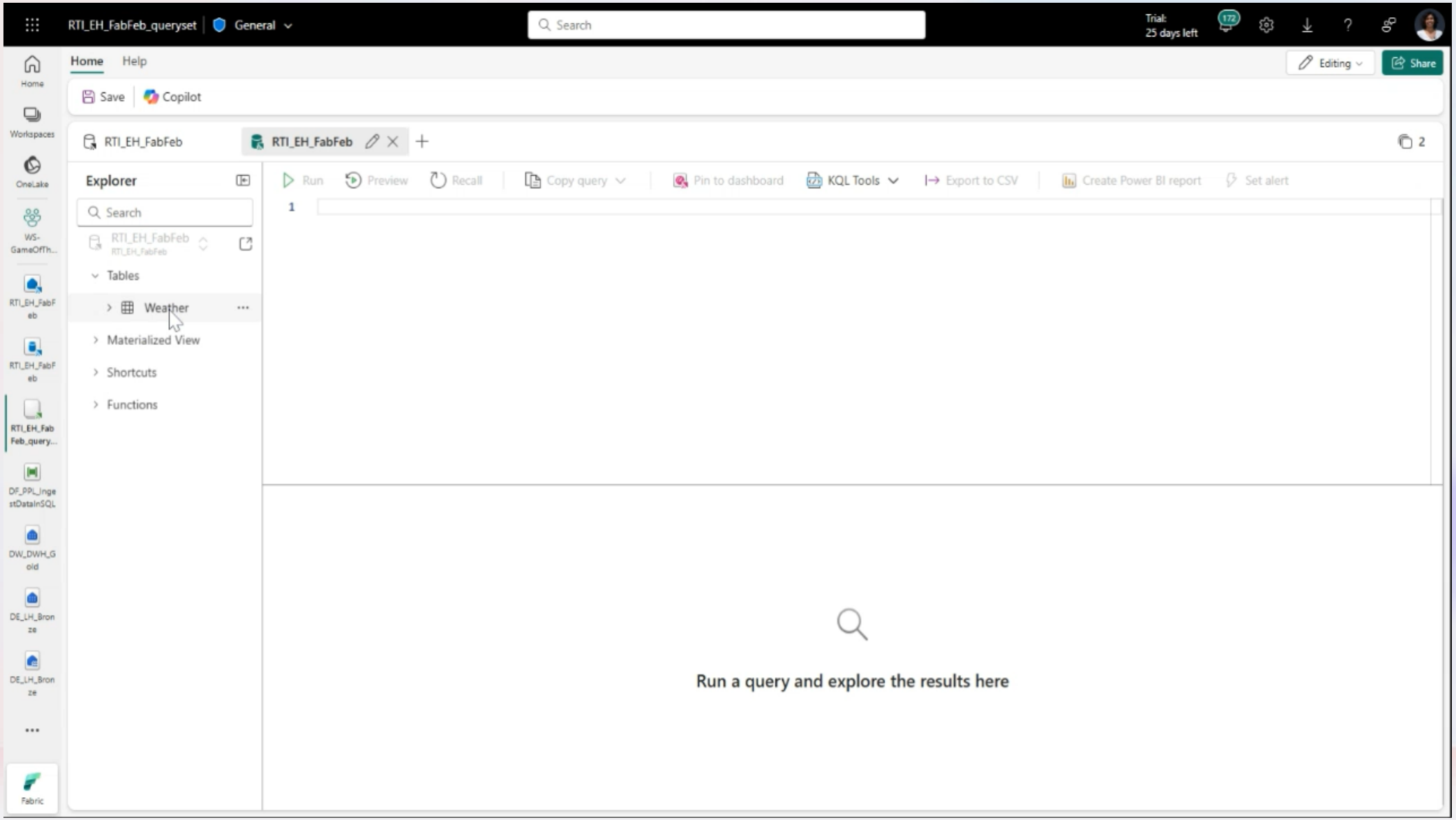
**Ask questions** about your real-time data in conversational language

**Generate KQL queries** based upon the questions

**Enhance the queries or ask follow up questions** using conversational interactions



# Copilot for Real-Time Integration



# Copilot for Microsoft Fabric: Power BI

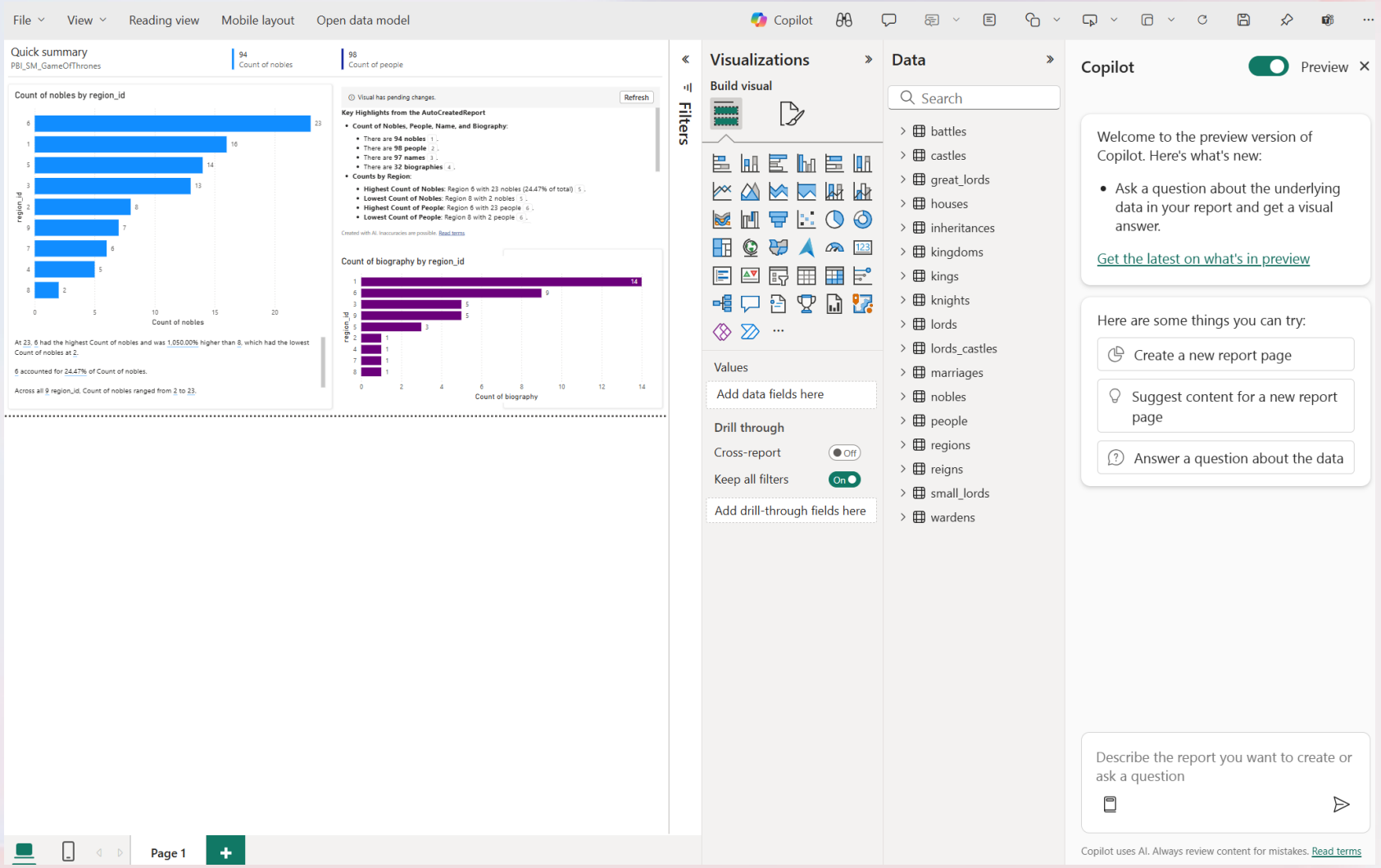
| Data Factory | Data Engineering & Data Science | Data Warehouse | SQL database | Real-Time Intelligence | Power BI |
|---|---|---|---|---|---|
| | | | | | Generally Available |

# Copilot for Power BI

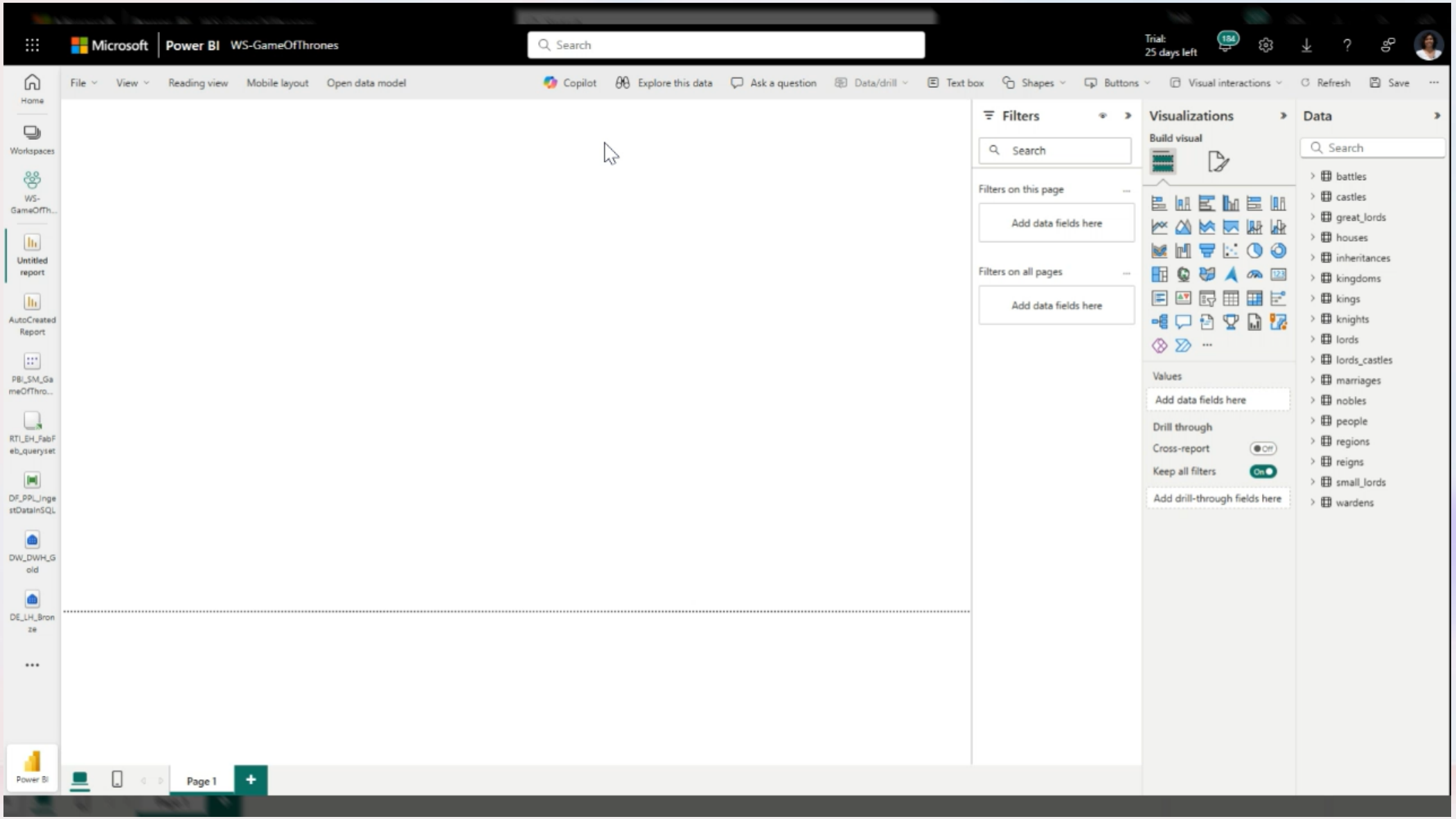
## Clean & prepare your semantic model

Copilot can derive insights from it

- Semantic model overview
- Create a narrative
- Enhance Q&A
- Summarise the data in the report
- Build DAX query
- Create measure descriptions
- Create a new report page
- Summary in Report Subscriptions



# Copilot for Power BI



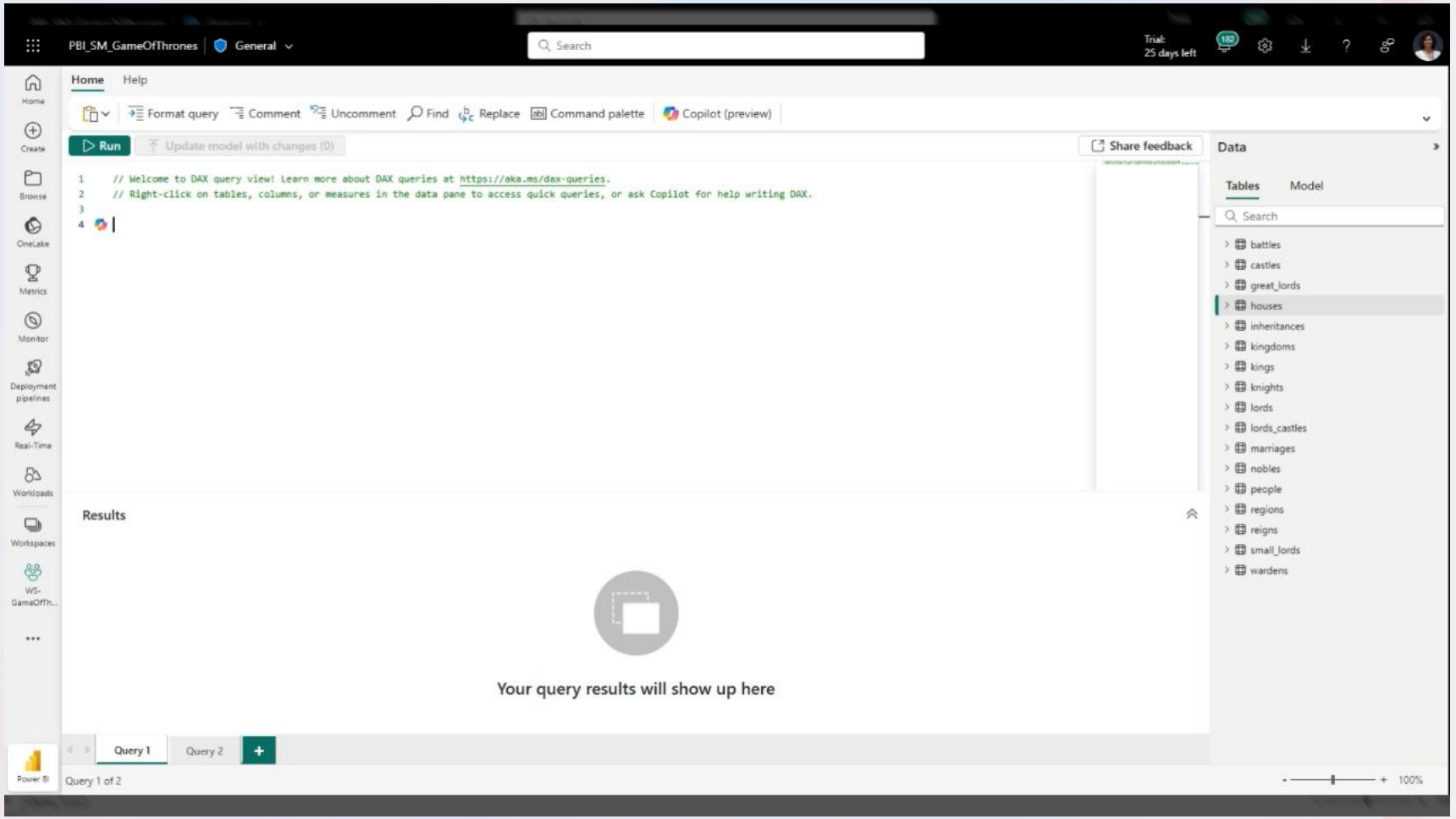
# Build DAX queries & Write Measure Descriptions

Build a DAX query

Summarise any DAX query

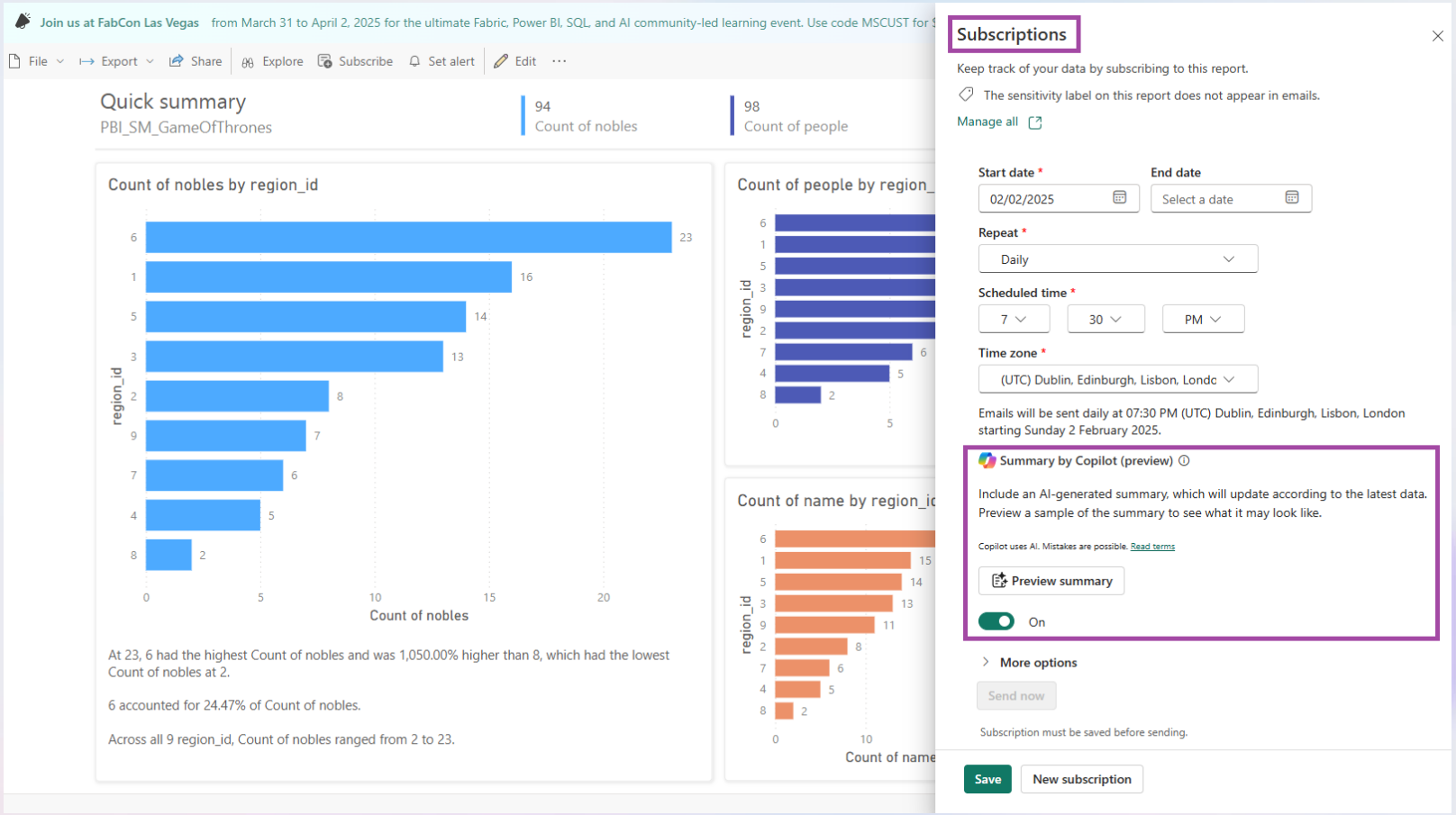
Understand DAX concepts

Write Measure Descriptions



# Summary in Subscriptions^

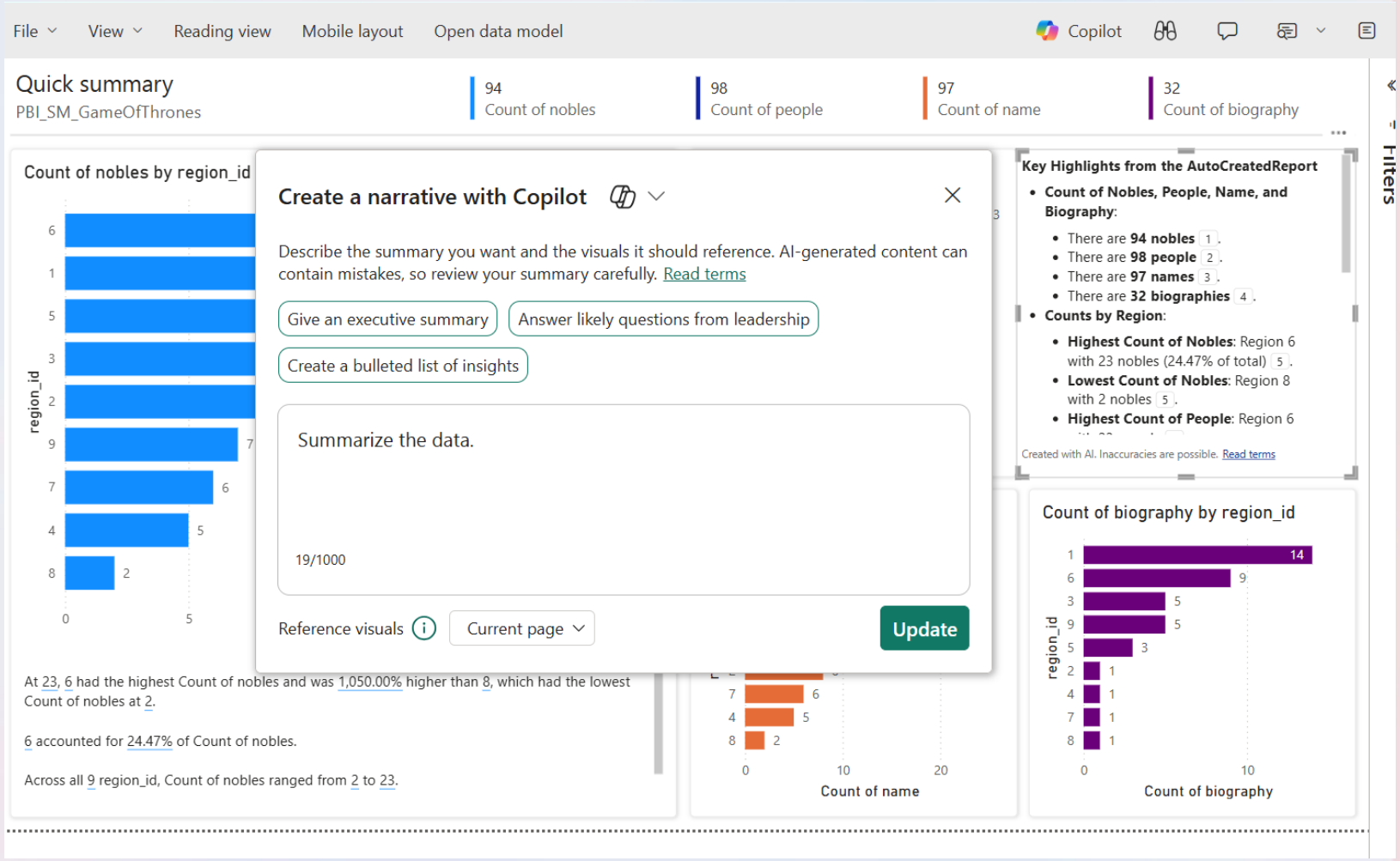
Include a Copilot generated summary for Power BI report page or full report attachment in email subscription to get insights



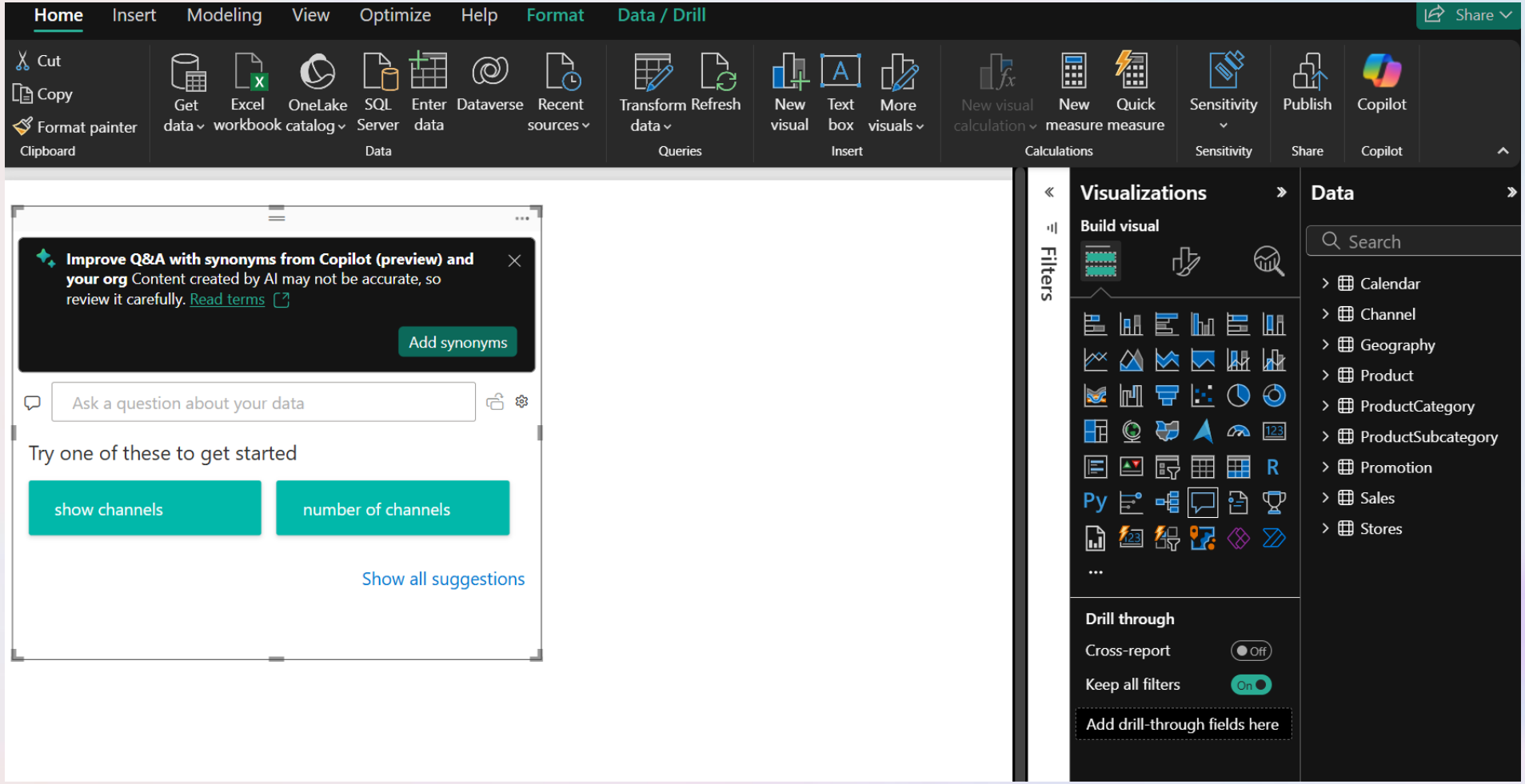

^PBI Service Only

# Create a narrative

- Add **generative AI summaries**
- Summarize the **report, specific pages, or visuals**
- Provides suggested prompts
- Customizable prompts to **fine tune the language, scope, and formatting** of generated summaries
- **Includes citations** in all insights
- Summaries **automatically regenerate when filters change**.



# Enhance Q&A: Add Synonyms*




*PBI Desktop Only

# Q & A

# Share **your thoughts** and help our speakers!

**fabfeb.app/feedback**

#FabricFebruary