Data & Analytics in the Copilot era



Sponsors













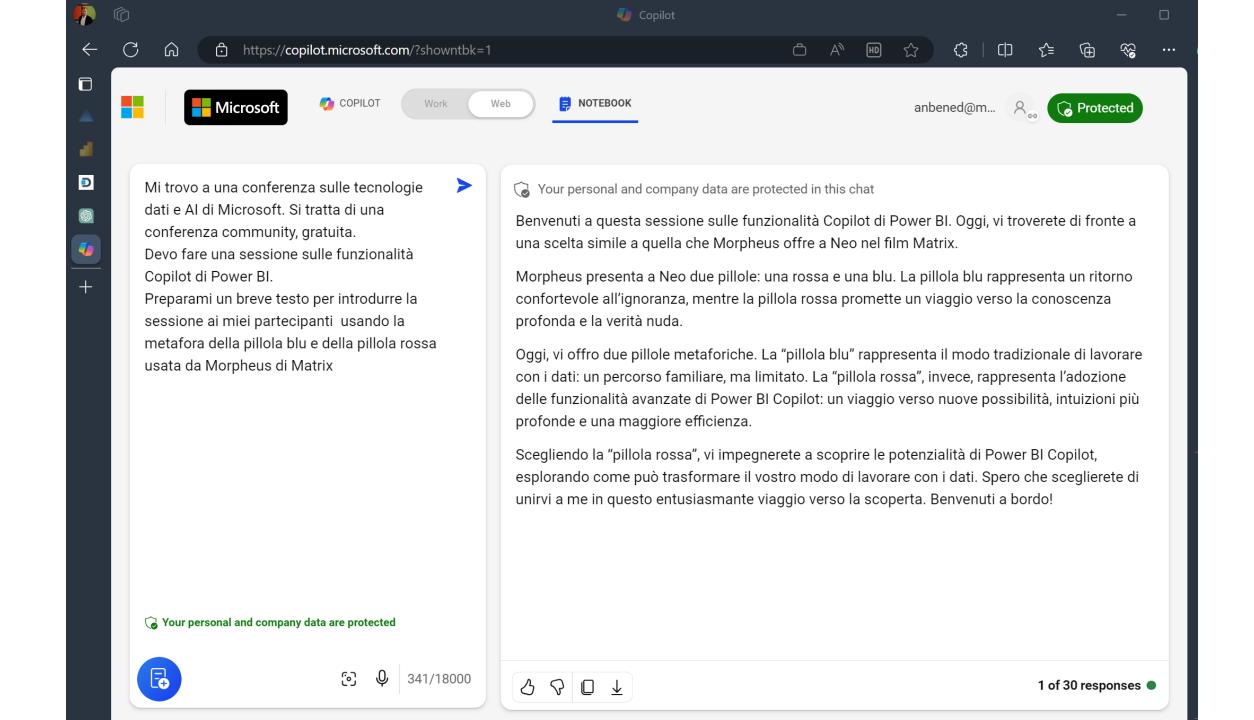
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What does Copilot for Power BI do for you?















What does Copilot for Power Bl do for you?

In a nutshell, it makes it quicker and easier to find what you need from your data.















DATA Things to consider

- Copilot = intelligent assistant
 - Helps users navigate through complex data, interpret patterns, and generate insights

- Copilot in Power BI is not a
 - replacement for human intelligence or creativity
 - substitute for learning or understanding the concepts and languages behind Power BI













Copilot Accelerated Experiences

Tools

Creative assistant

Product specific

Cross-cutting

Data input

Content generation

Following commands

Provides recommendations, with human in the loop

Uses specialized languages

Uses natural language













What does Copilot for Power BI do for you?

- Automatically create dashboards, data narratives, and interactive components
- Create a summary of your dataset and an outline of suggested pages for your report
- Write DAX formulas (you don't need to be an expert?)
- Create a complete report (in seconds) using natural language
 - "Show me the sales by region and product category"
 - "Create a chart of customer satisfaction ratings"













Copilot in Microsoft Fabric at Ignite 2023



Copilot in Microsoft Fabric



Quickly create report pages, natural language summaries, and generate synonyms.



Quickly generate code in Notebooks to help work with Lakehouse data and get insights.



Quickly clean and move data using Dataflows and Data Pipelines.













Copilot in Microsoft Fabric



Unified architecture

Unified experience

Unified governance

Unified business model







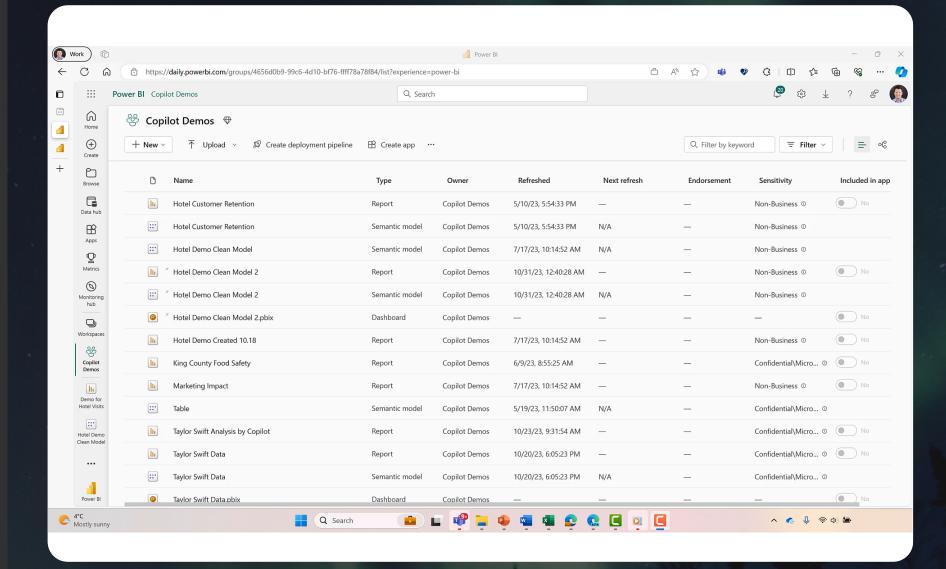






November 2023: Get started creating report pages with Copilot for Power Bl

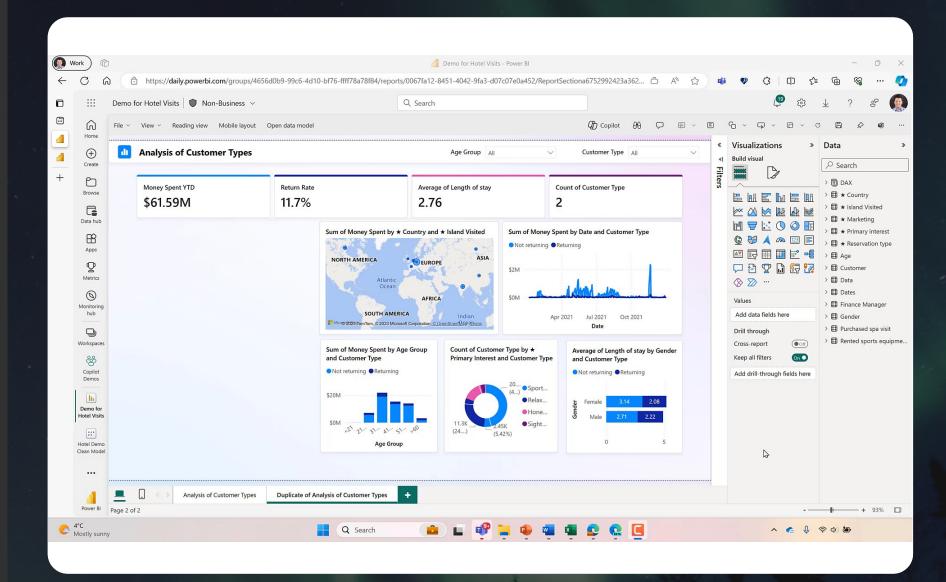
- Understand your dataset quickly
- Get suggested topics for report pages
- Create pages for highlevel topics
- Use our editing tools to customize your report





November 2023: Al Narrative Visual for summarizing data

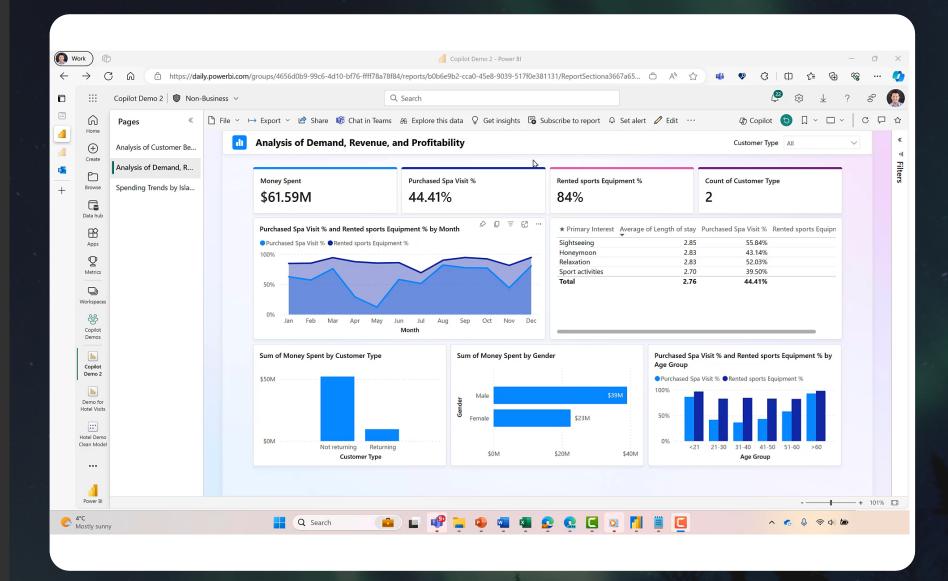
- Add a summary of the data in the report to your page
- Customize the summary using a prompt
- Summaries respect filters and slicer to reveal new insights.





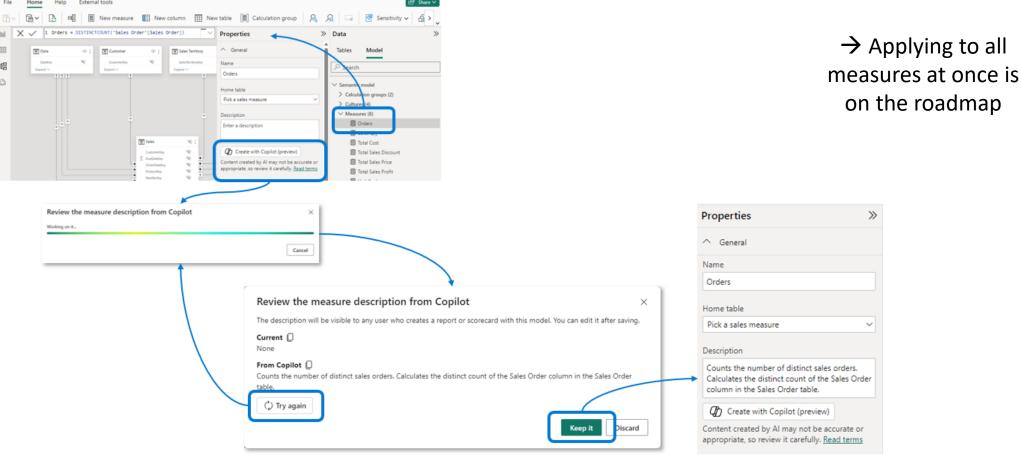
February 2023: Summary Skill for Consumers

- Copilot helps consumers understand the data in their reports
- Copilot compares data already in the report to reveal insights





Measure descriptions with Copilot









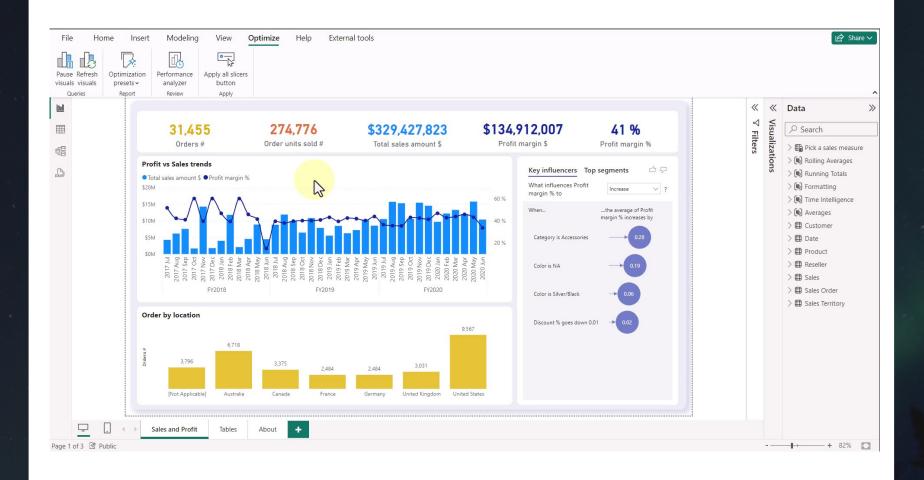






January 2024: Copilot for Power BI to **create measure descriptions** in Power BI Desktop.

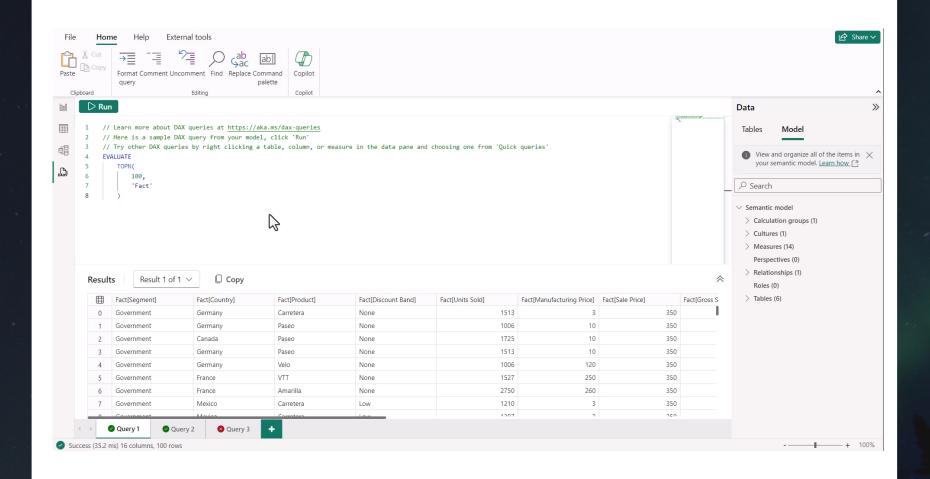
- Copilot helps make better models by helping you describe your measures for others.
- 2. Quickly annotate your models so all your report authors can be more productive.





March 2024: Copilot for Power BI to **assist with DAX queries** in DAX query view (Nov 2023 release) in Power BI Desktop

- 1. Copilot helps authors write or edit DAX queries
- Copilot helps explain existing DAX queries and DAX topics
- 3. Just click on Copilot ribbon button or CTRL+I, Copilot is there to help





- Use meaningful names for measures, tables, and columns
- Copilot can extrapolate the "meaning" of
 - (and for measures not just an English translation of the DAX code)
- When names are not so clear and/or you use acronyms, it is less good
- "Previous Month" is easier to understand than "PM"
- However, it understands something like MOM (Month Over Month) and YOY (Year Over Year), YTD, ...













Update your data model to work well with Copilot for Power BI

Considerations for datasets for Copilot use

The following table lists the criteria to help you create accurate reports with Copilot. These items are recommendations that can help in generating accurate Power BI reports.

Expand table

Element	Consideration	Description	Example
Table Linking	Define Clear Relationships	Ensure that all relationships between tables are clearly defined and logical, indicating which are one-to-many, many-to-one, or many-to-many.	"Sales" table connected to "Date" table by "DateID" field.
Measures	Standardized	Measures should have	"Total Sales" calculated as the sum of

https://learn.microsoft.com/en-us/power-bi/create-reports/copilot-evaluate-data













Microsoft Cloud Runs on trust

Your data is your data

Your data from any fine-tuning is **not** used to train the foundation Al models

Your data is protected by the most comprehensive enterprise compliance and security controls









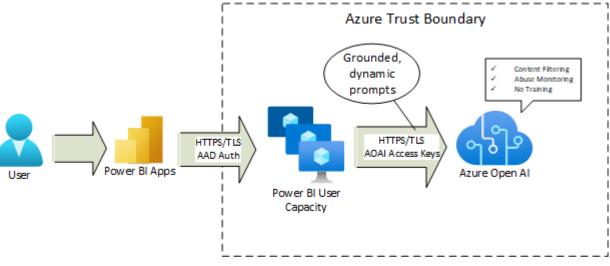




What data is being sent to Azure Open Al?

- Power BI Copilot uses dataset schema and data to generate reports and summaries, sending data to Azure OAI for responses from LLM.
- Only current user's data is sent; only they can see Copilot's responses.
- When you are working with a specific dataset, your Copilot interactions are "private".

 Data security: Prompts, retrieved data, and responses stay within Power BI's compliance boundary.















Copilot requires Dedicated Capacity (F64 and above or P1 and above)

Microsoft Fabric Trial Capacity is not eligible for Copilot

Power BI per user licenses don't include Copilot

Organization must enable Microsoft Fabric

Billing for Copilot will start between January and end February 2024













Q&A













Grazie!









