

#FABCONSQLCON2026

**FABCON**

Microsoft Fabric  
COMMUNITY CONFERENCE

**SQLCON**

Microsoft SQL  
COMMUNITY CONFERENCE

**ATLANTA** MARCH 16 - 20, 2026

# Accelerating Data and AI with Azure Databricks



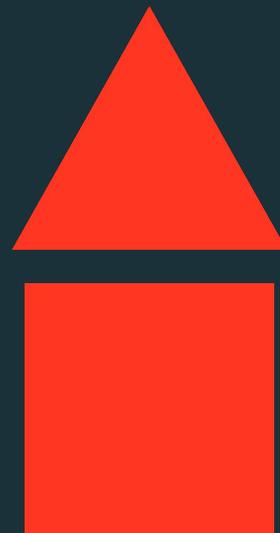
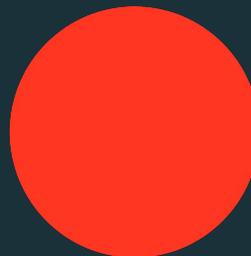
**Robert Saxby**

Director, Product Management  
Databricks



**Surya Sai Turaga**

Field Engineering Leader  
Databricks





**“Azure Databricks will continue to be the best Databricks of all clouds!”**

Satya Nadella 2023

**“You can build these stateful multi-agent automations on top of Databricks”**

Satya Nadella, BUILD 2025

**“I think of Azure Databricks, as any other Azure service. What you have done with SAP is a game changer!”**

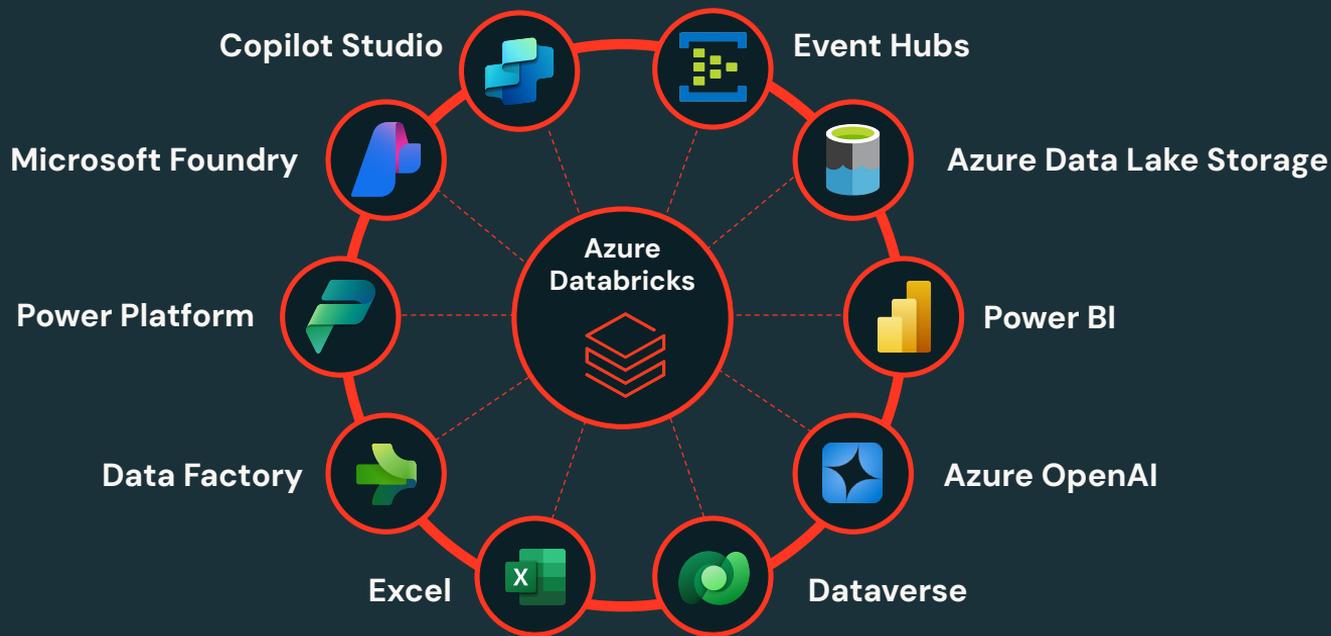
Satya Nadella 2025

**“We’re taking it further with Azure Databricks, connecting your data in Genie Spaces or AI Functions to Foundry”**

Satya Nadella, BUILD 2025

# Unifying Data & AI

The **Databricks Data Intelligence Platform** is an integral first-party part of the **Microsoft ecosystem**



embedded into the tools of every user

# Azure databricks

every AI model

## Microsoft Fabric

- Power BI
- Data Factory
- OneLake

data  
zero copy

OpenAI   Gemini   ANTHROPIC   LLaMA

Custom Apps  
Secure data and AI apps

AI/BI  
Agentic business intelligence

And more...

Lakeflow  
Ingest, ETL, streaming

DBSQL  
Data warehousing

Lakebase  
Serverless Postgres

**Agent Bricks**  
Agentic AI & Machine Learning

Unity Catalog

DELTA LAKE   ICEBERG   Postgres

agents

## Microsoft AI

- Agent 365
- Microsoft Foundry
- CoPilot Studio

## Entra ID

Azure Virtual Machines

Azure Data Lake Storage

Azure Networking



# Azure Databricks is the best data + AI platform on Azure



Governance

Integrations

Data Warehouse

AI Development

TCO (DW & Spark)

 **Agent Bricks**  
Production AI agents

 **AI/BI**  
Agentic business intelligence

 **Custom Apps**  
Secure data and AI apps

And more...

 **AI with Enterprise Context**

 **Genie**

 **Lakehouse**  
Data warehousing

 **Lakebase**  
Serverless Postgres

 **Lakeflow**  
Ingest, ETL, streaming

 **Unified Governance**

 **Unity Catalog**

 **Open Formats**

 **Postgres**

 **DELTA LAKE**

 **ICEBERG**



# Adopted by thousands of global enterprises



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...



**AI with Enterprise Context**



**Genie**



**Lakehouse**  
Data warehousing



**Lakebase**  
Serverless Postgres



**Lakeflow**  
Ingest, ETL, streaming



**Unified Governance**



**Unity Catalog**



**Open Formats**



**Postgres**



**DELTA LAKE**

**ICEBERG**



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...



**AI with Enterprise Context**



**Genie**



**Lakehouse**  
Data warehousing



**Lakebase**  
Serverless Postgres



**Lakeflow**  
Ingest, ETL, streaming



**Unified Governance**



**Unity Catalog**



**Open Formats**



**Postgres**

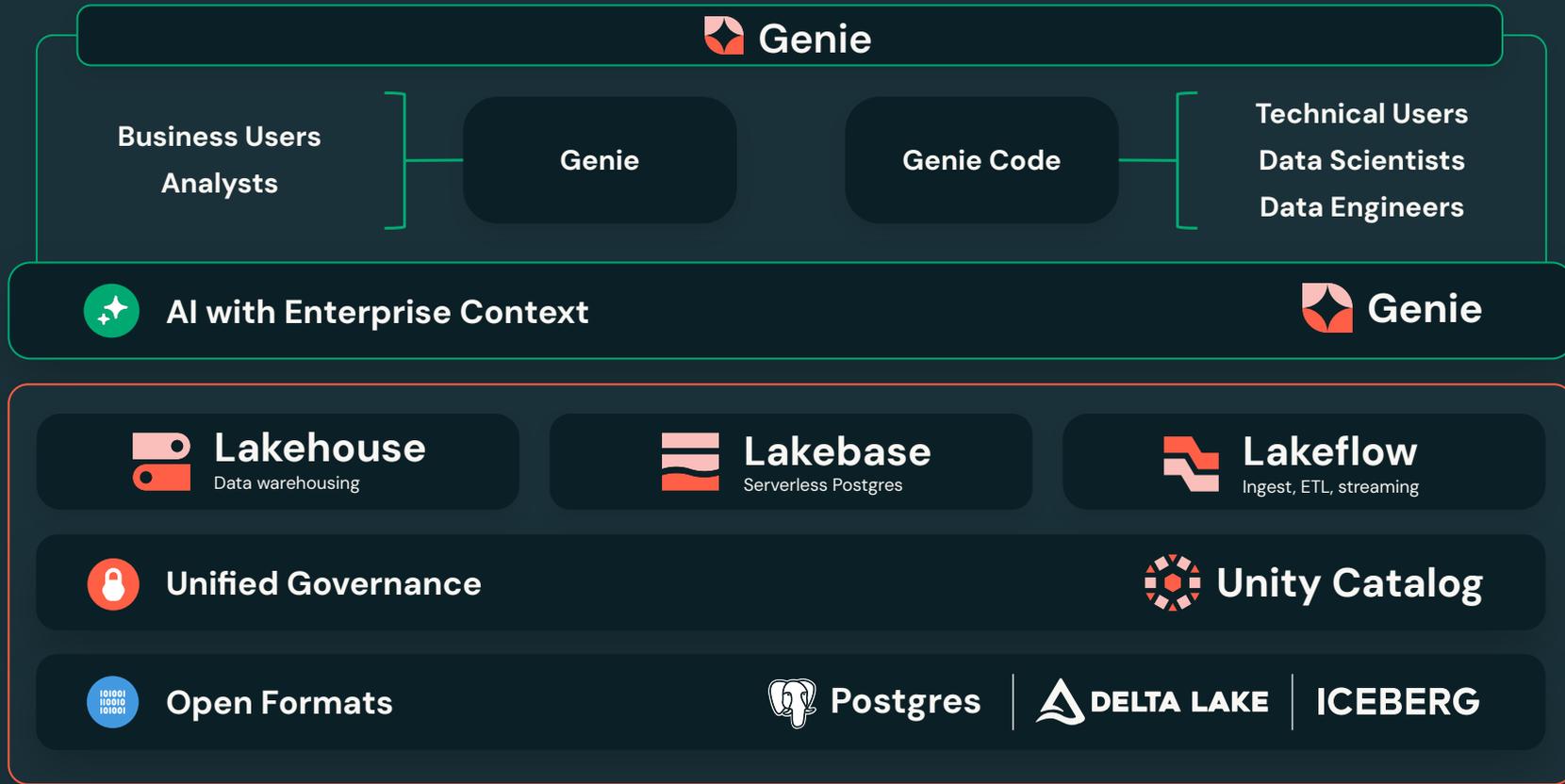


**DELTA LAKE**

**ICEBERG**



# Genie brings new AI capabilities to all roles



# Genie is AI that knows your business



Sales Insights ☆



Configure



Benchmarks



Monitoring



Share



## Sales Insights

[Click here to add a description](#)

Ask your question...



Chat Research Agent



Always review the accuracy of responses.

What is the distribution of account tiers in the accounts data?

Show distinct\_accounts by country

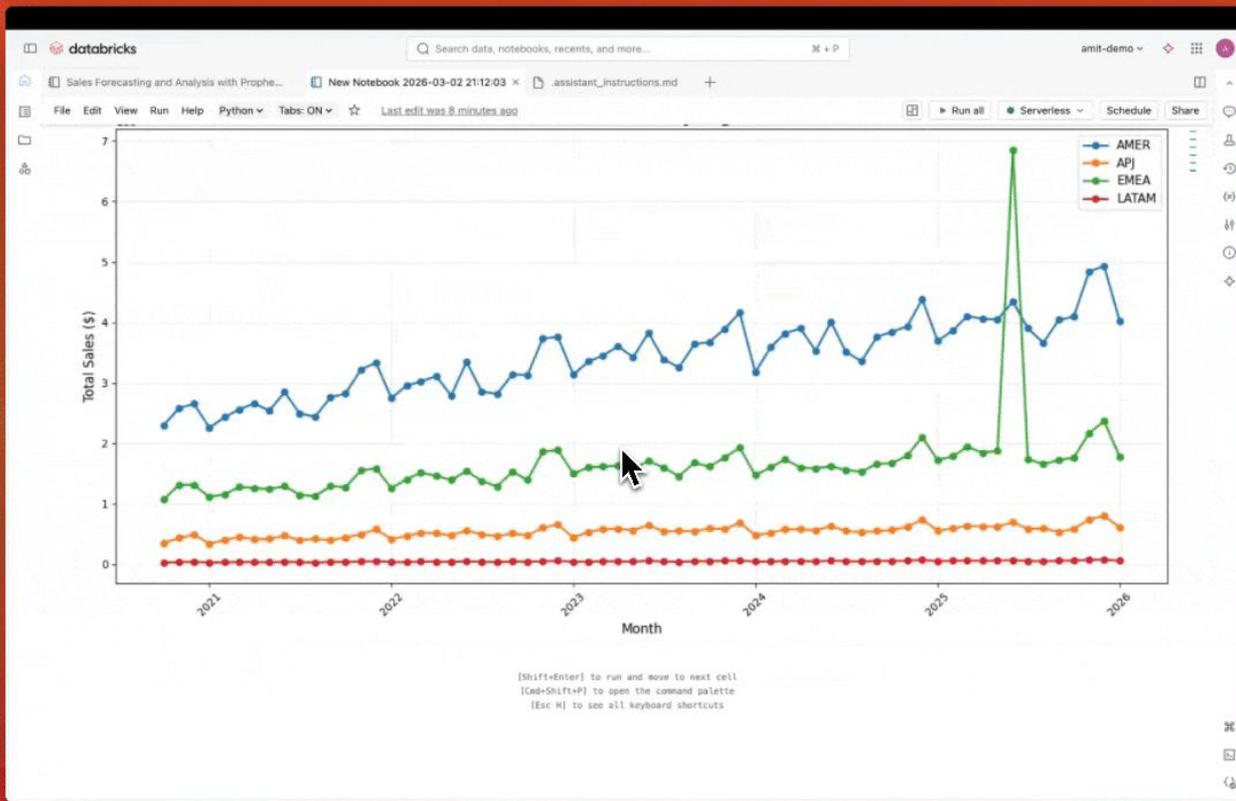
What recent temporal patterns emerge in this dataset? Research

What tables are there and how are they connected? Give me a short summary.

Visualize the interesting aspects of the dataset Research



# Genie is AI that knows your business



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...



**AI with Enterprise Context**



**Genie**



**Lakehouse**  
Data warehousing



**Lakebase**  
Serverless Postgres



**Lakeflow**  
Ingest, ETL, streaming



**Unified Governance**



**Unity Catalog**



**Open Formats**



**Postgres**



**DELTA LAKE**

**ICEBERG**



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...

## Agent Platform

### Contextual Reasoning Agents

Knowledge Assistant

Supervisor Agent

Documents Agent

AI Functions

### Developer Platform

Agent Orchestration

*miflow*  Runtime  

Memory

 **Model Capacity**  OpenAI AI

### AI Governance

Agent Skill/MCP Registry

AI Gateway

Agent Observability

Managed OAuth Apps



# Productionizing agents is really hard

-  **How do I manage agent quality?**
-  **What latest AI technique should I use?**
-  **How do I balance cost vs. quality?**



# Begin from a factory of agent types

## Multi-agent Supervisor

### Knowledge Assistant

Turn your docs into an expert AI chatbot

### Text-to-SQL

Convert natural language into SQL queries

### Data Science

Explore data, train and evaluate models, and summarize results

### Sentiment Analysis

Identify the tone of customer feedback and track trends

### Forecasting

Predict future trends based on historical data patterns

### Fraud Detection

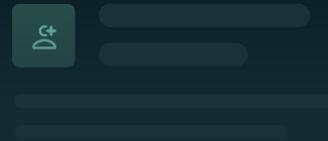
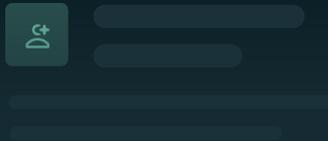
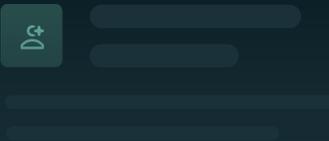
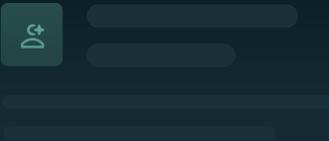
Surface anomalies in transactions and behavior

### Entity Resolution

Identify and merge records that refer to the same entity

### Document Processing

Extract, classify, and structure information from text files



# Then describe the high-level problem...

Build an agentic system that answers questions about the automotives we offer



Create LLM  
judges



Auto-optimize  
the system



Present cost vs.  
quality options

**Agent Learning**



# Higher quality knowledge assistants



Agent Bricks significantly outperformed our original open-source implementation in both LLM-as-judge and human evaluation accuracy metrics.

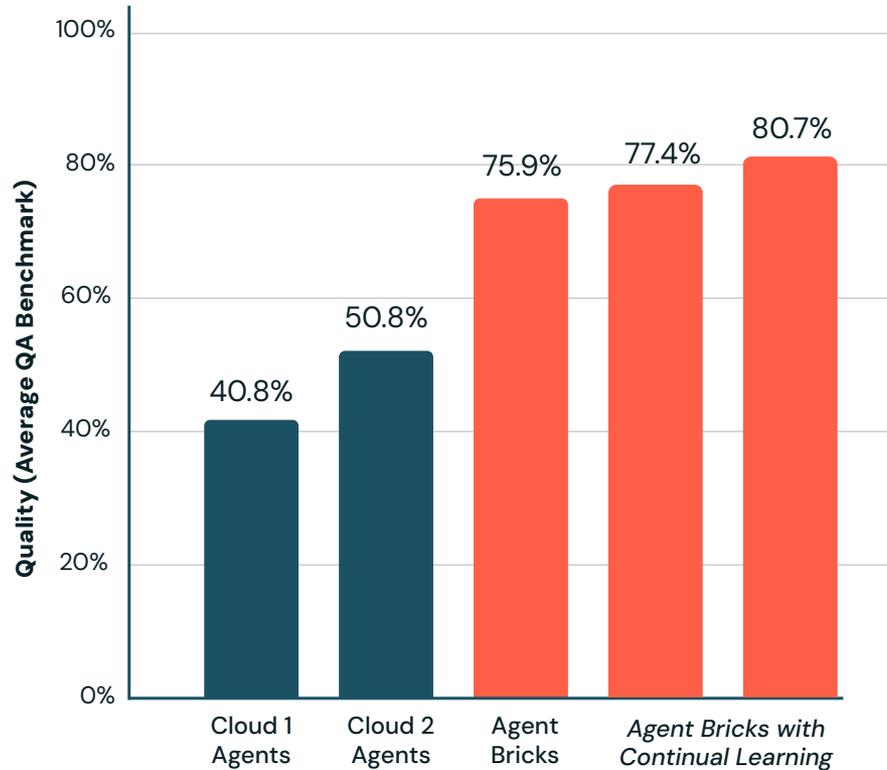


**Joel Wasson**

Manager Enterprise Data & Analytics



Hawaiian  
Electric



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...



**AI with Enterprise Context**



**Genie**



**Lakehouse**  
Data warehousing



**Lakebase**  
Serverless Postgres



**Lakeflow**  
Ingest, ETL, streaming



**Unified Governance**



**Unity Catalog**



**Open Formats**



**Postgres**



**DELTA LAKE**

**ICEBERG**





**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



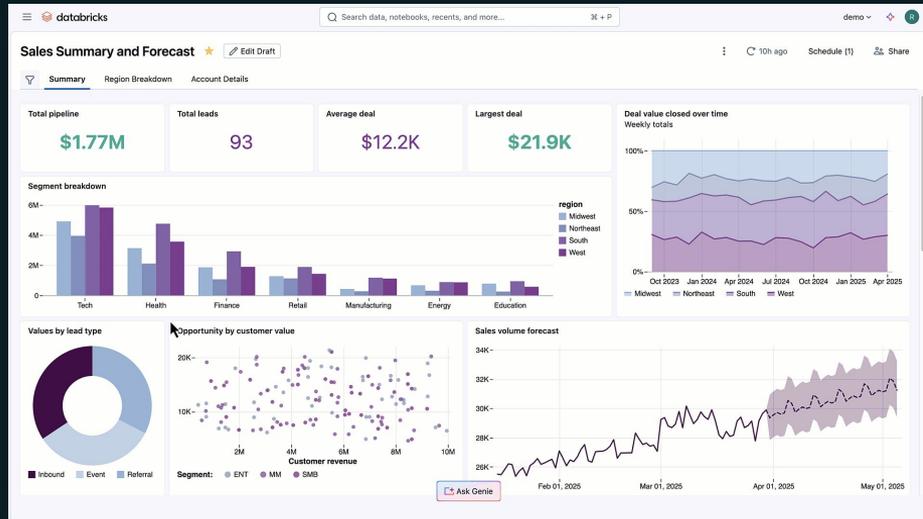
**Custom Apps**  
Secure data and AI apps

And more...

Built-in Genie

Agentic dashboard  
authoring

Free



# Massive user growth in AI/BI



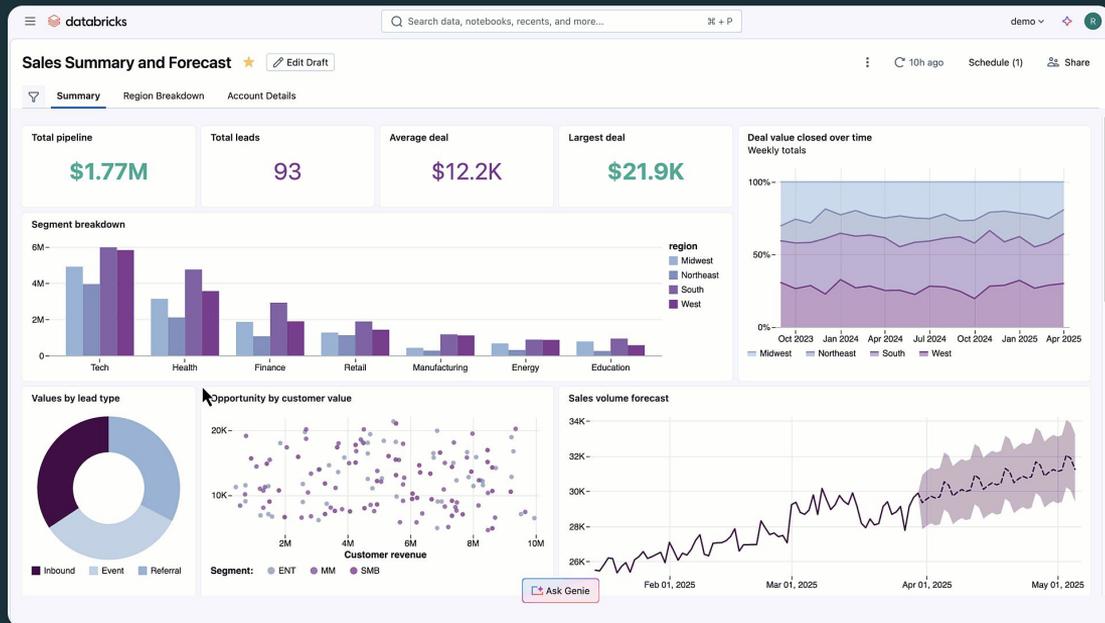
# Analyze and visualize your data

Get useful dashboards with AI-powered understanding

Scale BI to everyone  
with no additional cost

Blazing fast results

Secure by design with  
Unity Catalog



# But, you can't anticipate every question

What is revenue breakdown by order priority?

How much inventory do we hold by location?

What are our most profitable products?

What are our most popular shipping methods?

How often are deliveries delayed?

Where are our supply chain bottlenecks?

What is our current inventory level?

What is the cost of shipping delays?

How does order priority change over time?

How are transportation costs trending?

Are we meeting sustainability goals?

Which suppliers have quality issues?

Which suppliers have the longest lead times?

Are suppliers meeting contractual obligations?

Which products are experiencing stockouts?

Where do we have excess inventory?

What is our average order fulfillment time?

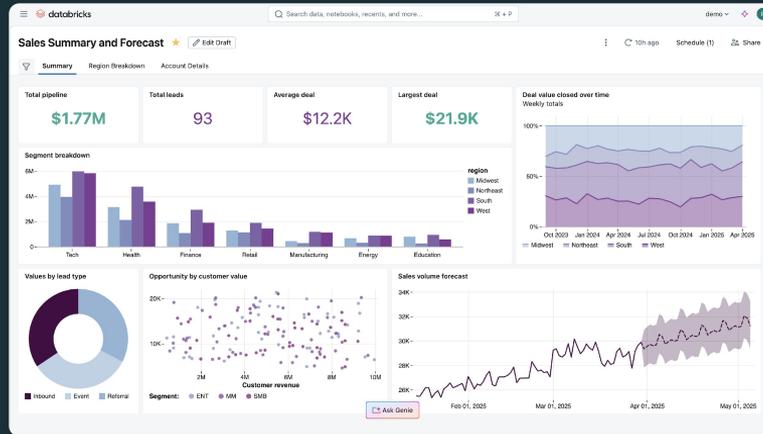
How are transportation costs trending?

What is our warehouse utilization rate?

How accurate are our demand forecasts?

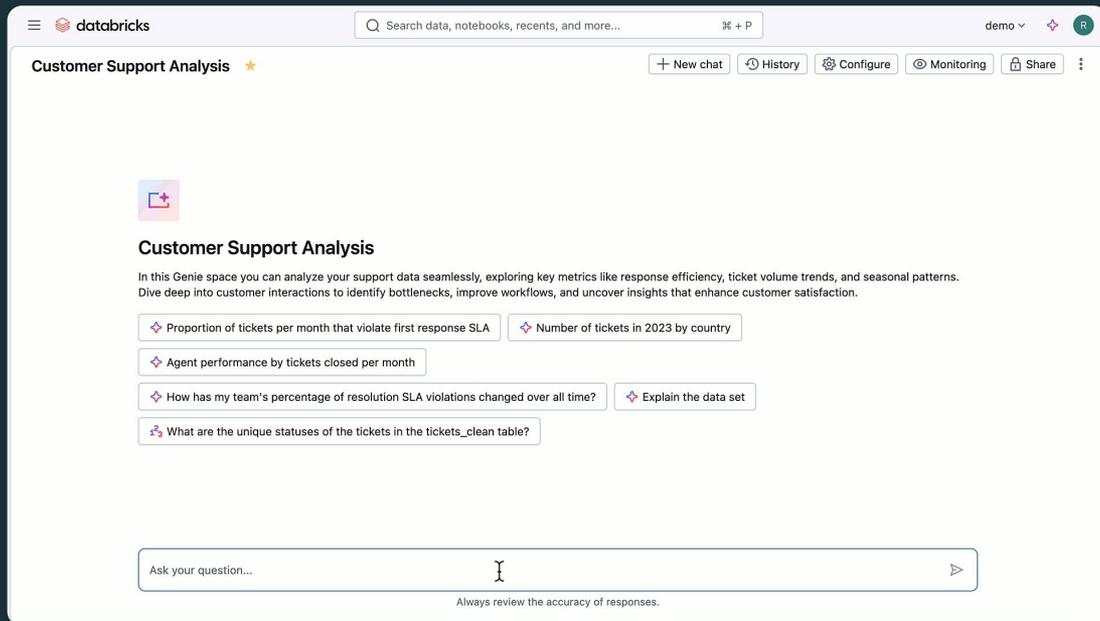
What are our most valuable customer segments?

What is our return rate by product?



# Genie lets you go beyond your dashboards

Talk to your data to explore any question



The screenshot shows the Databricks Genie interface for a workspace named "Customer Support Analysis". At the top, there is a search bar and navigation icons for "New chat", "History", "Configure", "Monitoring", and "Share". Below the workspace name, there is a small icon and a description: "In this Genie space you can analyze your support data seamlessly, exploring key metrics like response efficiency, ticket volume trends, and seasonal patterns. Dive deep into customer interactions to identify bottlenecks, improve workflows, and uncover insights that enhance customer satisfaction." Below this description are five interactive buttons with question icons: "Proportion of tickets per month that violate first response SLA", "Number of tickets in 2023 by country", "Agent performance by tickets closed per month", "How has my team's percentage of resolution SLA violations changed over all time?", and "Explain the data set". At the bottom, there is a text input field with the placeholder "Ask your question..." and a submit button. A small disclaimer at the very bottom reads "Always review the accuracy of responses."

Query your enterprise data with open Q&A

Maintain context between sessions to follow-up on research

Get insights in natural language, data tables, and visualizations



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...



**AI with Enterprise Context**



**Genie**



**Lakehouse**  
Data warehousing



**Lakebase**  
Serverless Postgres



**Lakeflow**  
Ingest, ETL, streaming



**Unified Governance**



**Unity Catalog**



**Open Formats**



**Postgres**



**DELTA LAKE**

**ICEBERG**



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...

Bring your apps to  
your data

Make agentic apps  
easy to productionize



**Democratizing agents**  
happens through applications



# Agentic apps are hard to productionize

Security and governance aren't negotiable



Integrate auth/SSO



Define governance and access controls around data



Manage app infrastructure/containers



Integrate into a VPC



Deploy a database to manage app state



Integrate with observability tools



Configure audit/access logs



Upgrade packages/containers



# Databricks Apps

Bring your apps to your data

Powered by unified  
infrastructure



Built on everything  
in Databricks

One-click integration  
with Lakebase

Secure  
and governed



Managed containers and  
infrastructure

Resource-level governance  
through Unity Catalog

Out-of-the-box  
auth and access logs

Open  
ecosystem



All popular  
Python frameworks

Support for Javascript  
with Node.js/React

20+ pre-installed  
open source packages



# Azure databricks



**Agent Bricks**  
Production AI agents



**AI/BI**  
Agentic business intelligence



**Custom Apps**  
Secure data and AI apps

And more...



**AI with Enterprise Context**



**Genie**



**Lakehouse**  
Data warehousing



**Lakebase**  
Serverless Postgres



**Lakeflow**  
Ingest, ETL, streaming



**Unified Governance**



**Unity Catalog**



**Open Formats**



**Postgres**



**DELTA LAKE**

**ICEBERG**



# Databases were built for a different era



**Massive  
lock-in**



**Very  
expensive**



**Built for  
on-prem**





**Transactional Database Engine**

**Data stored in a low-cost lake**



# Lakebase

Transactional processing for the agentic era

Built on  
open source



Postgres foundation

Support for community  
extensions

Separate compute  
and storage



Very low latency

Very high QPS

Production SLAs

Designed for AI



Launches in less than 1 second

Pay only for what you use

Git-like branching



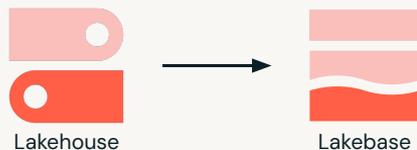
# What do you do with a Lakebase?

## Build your app on Lakebase today



Order processing  
Interactive workflow sign-off  
State for an agent

## Serve data from the lakehouse



Personalized recommendations  
Customer segmentation  
Feature store

## Analyze transactional data in the lakehouse



Order history (analytics)  
Chatbot history (training data)



 Azure databricks

# Announcements



# Azure Databricks Lakebase

Serverless Postgres  
for operational +  
analytical workloads  
on the lakehouse.

GA

Placeholder product screenshot/GIF



# Demo!



# databricks DATA+AI SUMMIT

The premier event for the global data, analytics and AI community returns to San Francisco June 15-18, 2026. Four days packed with keynotes by industry leaders and visionaries, technical sessions, hands-on training and networking opportunities.

**25K+**  
ATTENDEES  
ON SITE

**800+**  
BREAKOUT  
SESSIONS

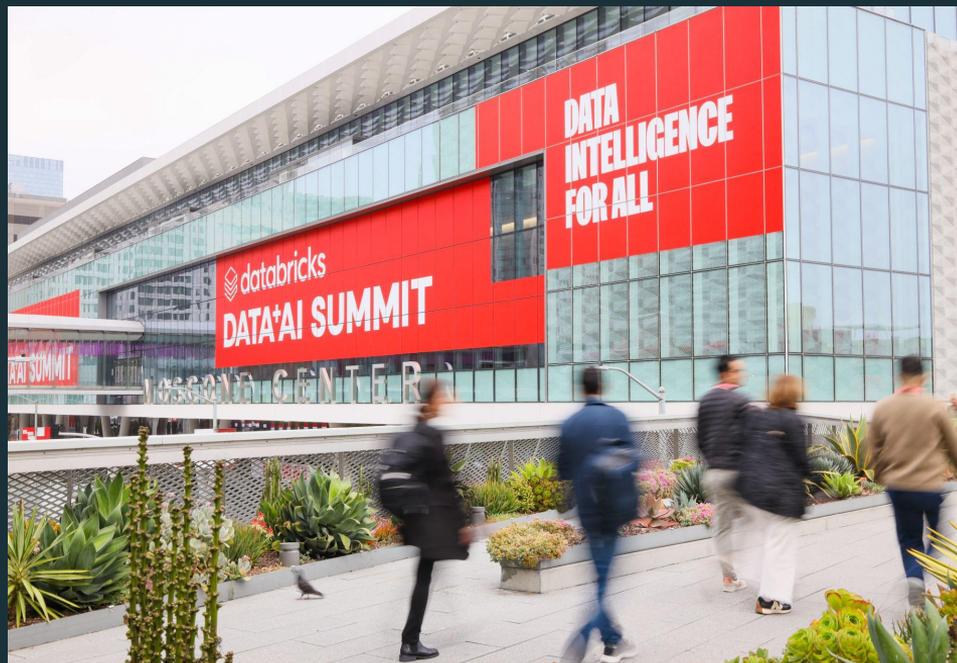
**200+**  
SPONSORS



**REGISTER NOW**

WORLD'S LARGEST DATA,  
ANALYTICS AND AI  
CONFERENCE

IN-PERSON  
JUNE 15-18  
SAN FRANCISCO



Virtual Event // June 16 - 17 // Free live stream of keynotes + select sessions // [Register Now](#)



