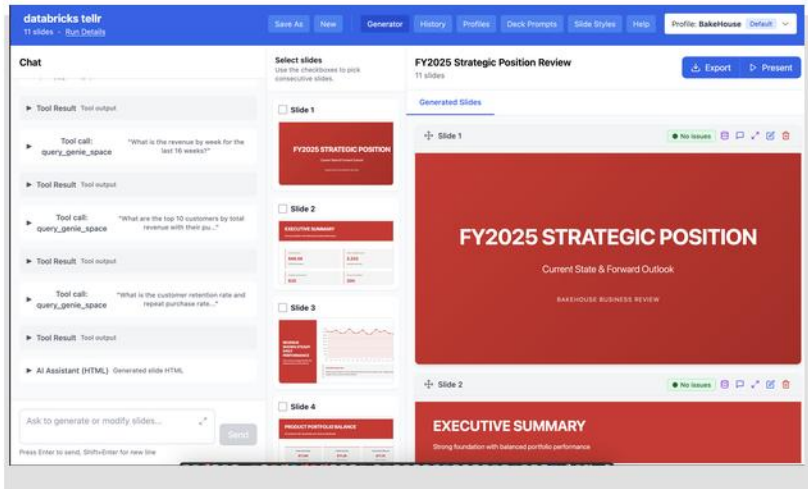




Getting Started with TellR

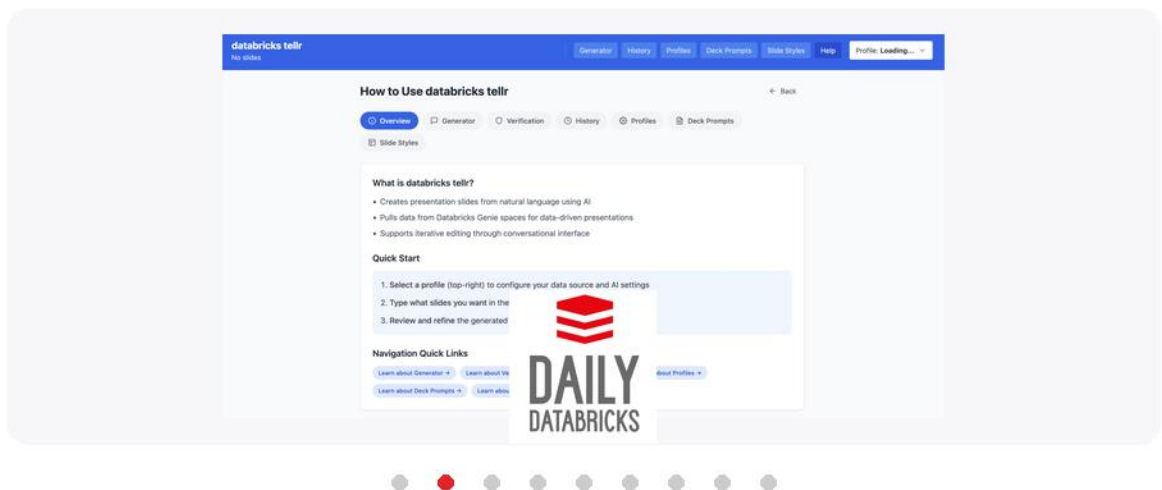
AI-Powered Slides
from Your Databricks Data



What is TellR?

TellR is an open-source Databricks App that generates interactive slide decks from your enterprise data using natural language.

- ◆ Created by Robert Whiffin (Sr. Solutions Architect, Databricks)
- ◆ Runs as a Databricks App
- ◆ Queries live data via Genie spaces
- ◆ Respects Unity Catalog permissions
- ◆ Exports to interactive HTML or PDF



Key Features

Conversational Creation

Describe what you want in plain English

Live Data Queries

Pulls real numbers from Genie spaces

Enterprise Security

Unity Catalog permissions apply automatically

Interactive Charts

Chart.js visualisations you can interact with

Custom Branding

Define your own styles, colours, and typography

Iterative Editing

Refine with follow-up prompts like a designer



Setup in 3 Steps

1

Install TellR

pip install databricks-tellr
in a Databricks notebook

2

Create a Genie Space

Connect to your data tables
in Unity Catalog

3

Create a Profile

Bundle your data source,
style, and deck prompt

```
+ Option + B 07:22 PM (UTC) 1 Setup the library

!pip install --upgrade databricks-tellr databricks-sql-ws=0.73.0
dbutils.library.restartPython()

Collecting databricks-tellr
  Downloading databricks_tellr-0.1.21-py3-none-any.whl.metadata (724 bytes)
Collecting databricks-sql-ws=0.73.0
  Downloading databricks_sql_ws-0.73.0-py3-none-any.whl.metadata (48 kB)
Requirement already satisfied: requests<3.0,>=2.28.1 in /data/databricks/python3/lib/python3.12/site-packages (from databricks-sql-ws=0.73.0) (2.32.1)
Requirement already satisfied: google-auth<2.0,>=2.8 in /data/databricks/python3/lib/python3.12/site-packages (from databricks-sql-ws=0.73.0) (2.40.8)
Collecting protobuf<5.26.0,>=4.27.4; sys_platform != 'win32' in /data/databricks/python3/lib/python3.12/site-packages (from databricks-sql-ws=0.73.0) (5.29.3)
Collecting protostr<0.33.5,>=0.33.0; sys_platform != 'win32' in /data/databricks/python3/lib/python3.12/site-packages (from databricks-sql-ws=0.73.0) (0.33.5)
Collecting pyopenssl<2.0.0,>=2.0.0 (from databricks-tellr)
  Downloading pyopenssl-20.0.1-py3-none-any.whl.metadata (4.9 kB)
Requirement already satisfied: pyyaml<6.0,>=5.4.1 in /data/databricks/python3/lib/python3.12/site-packages (from databricks-tellr) (6.0.2)
Requirement already satisfied: cachetools<5.0,>=2.0.0 in /data/databricks/python3/lib/python3.12/site-packages (from google-auth<2.0,>=2.8-databricks-sql-ws=0.73.0) (5.5.1)
Requirement already satisfied: pyasn1-modules<0.4,>=0.0.8 in /data/databricks/python3/lib/python3.12/site-packages (from google-auth<2.0,>=2.8-databricks-sql-ws=0.73.0) (0.4.1)
Requirement already satisfied: rsa<5,>=4.1 in /data/databricks/python3/lib/python3.12/site-packages (from google-auth<2.0,>=2.8-databricks-sql-ws=0.73.0) (4.9.1)
Requirement already satisfied: charset-normalizer<4,>=2 in /data/databricks/python3/lib/python3.12/site-packages (from requests<3.0,>=2.28.1-databricks-sql-ws=0.73.0) (3.2.2)
Requirement already satisfied: idna<4,>=2.5 in /data/databricks/python3/lib/python3.12/site-packages (from requests<3.0,>=2.28.1-databricks-sql-ws=0.73.0) (3.2)
Requirement already satisfied: urllib3<3,>=2.2.1 in /data/databricks/python3/lib/python3.12/site-packages (from requests<3.0,>=2.28.1-databricks-sql-ws=0.73.0) (2.3.1)
Requirement already satisfied: certifi<2024.4.17 in /data/databricks/python3/lib/python3.12/site-packages (from requests<3.0,>=2.28.1-databricks-sql-ws=0.73.0) (2025.1.31)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.8 in /data/databricks/python3/lib/python3.12/site-packages (from pyasn1-modules<0.4,>=0.0.8-databricks-sql-ws=0.73.0) (0.4.8)

⚠ Core Python package version(s) changed
The version of a core Python package, e.g., Python or one of Python's dependencies, changed: databricks-sql-ws: 0.49.0 -> 0.73.0, protobuf: 5.26.4 -> 5.31.5. Some Python notebook and PySpark
features may no longer work as expected. If you see issues, you can reset the environment by detaching and re-attaching the notebook. Some notebook features may stop working as expected.

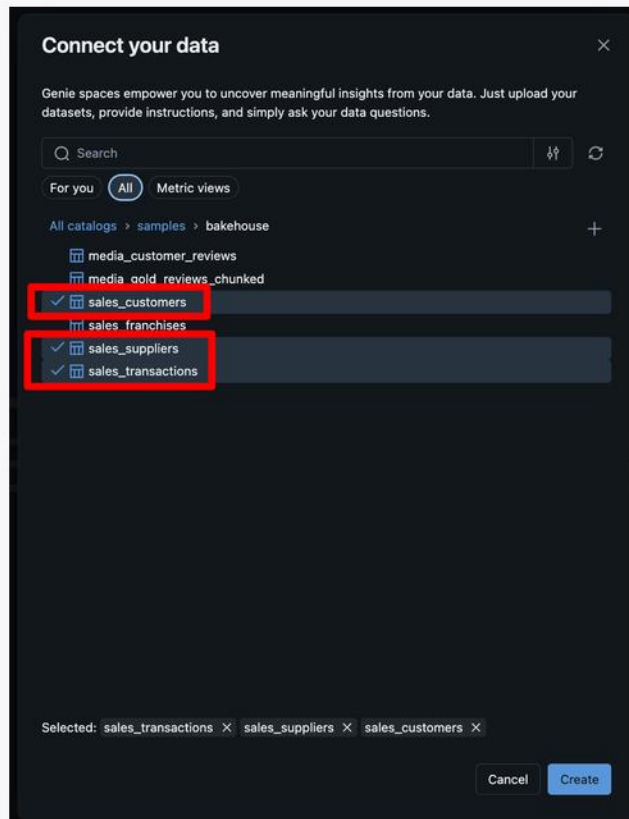
!databricks tellr
1 import databricks_tellr as tellr
2
3 tellr.create(
4     lakehouse_name="tellr-ds",
5     schema_name="app_data",
6     app_name="tellr",
7     app_file_workspace_path="/Workspace/Users/.../tellr"
8 )
9

Deploying Tellr to Databricks Apps...
App name: tellr
Workspace path: /Workspace/Users/.../tellr
```



Connect Your Data

Create a Genie space linked to your Unity Catalog tables. TellR queries your data in real-time, respecting all permissions.



Brand It Your Way

Create custom slide styles with your brand colours and typography.

Bundle everything into a Profile:
data source + style + deck prompt.

Slide Styles

Create Slide Style
Define visual styling rules for slide generation (typography, colors, layout).

Name:

Description:

Category:

Style Rules:

- Between heading and body: <20px
- Between bullet points: <10px
- Callout block padding: <10px vertical, <10px horizontal, 10px left border
- Code block padding: <10px all sides, 10px bottom-right
- Feature circle diameter: <20px
- Feature height: <40px
- Data Viz Palette: Based on the brand colors, a consistent chart palette would be:
- Primary series: #000000 (Dark Red)
- Secondary series: #000000 (Medium Gray)
- Tertiary series: #000000 (Dark Blue/Gray)
- Accent 1: #000000 (Light Red)
- Accent 2: #000000 (Light Gray)
- Neutral: #000000 (Lightest Gray)

Profiles

BakeHouse [View] [Edit] [X]

Genie Spaces

New Space
01f8fe78fd51922945d36f23dc76607
Bakehouse sales transactions data and sales data for suppliers and customer information

Slide Style
DailyDatabricks

Deck Prompt
Quarterly Business Review
[Report]
Template for QBR presentations. Covers performance metrics, achievements, challenges, and strategic recommendations.

AI Infrastructure

LLM ENDPOINT	TEMPERATURE	MAX TOKENS
databricks-llm-sonnet-4-5	0.7	60000

[Close]



The Result

A complete slide deck with data-driven charts, executive summaries, and strategic recommendations.

The screenshot displays the Databricks Tellr interface, which is used for generating and managing slide decks. The interface is divided into several sections:

- Header:** Includes the Databricks Tellr logo, a navigation bar with buttons like 'Save As', 'New', 'Generator', 'History', 'Profiles', 'Deck Prompts', 'Slide Styles', and 'Help', and a profile dropdown set to 'BakeHouse'.
- Chat:** A sidebar on the left showing a conversation history. It includes tool calls to 'query_genie_space' for various data queries (e.g., revenue by week, top 10 customers, customer retention rate) and an 'AI Assistant (HTML)' that generated slide HTML.
- Select slides:** A central panel showing a list of slides to be included in the deck. The slides are:
 - Slide 1: FY2025 STRATEGIC POSITION
 - Slide 2: EXECUTIVE SUMMARY (containing a table with revenue and profit data)
 - Slide 3: A line chart titled 'REVENUE AND PROFIT TRENDS'.
 - Slide 4: PRODUCT PORTFOLIO BALANCE (containing a table with product categories and revenue).
- Generated Slides:** The main area on the right showing the preview of the generated slides. The first slide is titled 'FY2025 STRATEGIC POSITION' with the subtitle 'Current State & Forward Outlook' and 'BAKEHOUSE BUSINESS REVIEW'. The second slide is titled 'EXECUTIVE SUMMARY' with the subtitle 'Strong foundation with balanced portfolio performance'.

Export Options

- HTML - Interactive charts you can click
- PDF - Static document for sharing



Try TellR Today

Full step-by-step tutorial with
screenshots and video walkthrough

dailydatabricks.tips

github.com/robertwhiffin/ai-slide-generator

- ◆ Open-source & free
- ◆ Works with any Unity Catalog data
- ◆ Video walkthrough included

