

OCTOBER 7TH, 2025 NYC



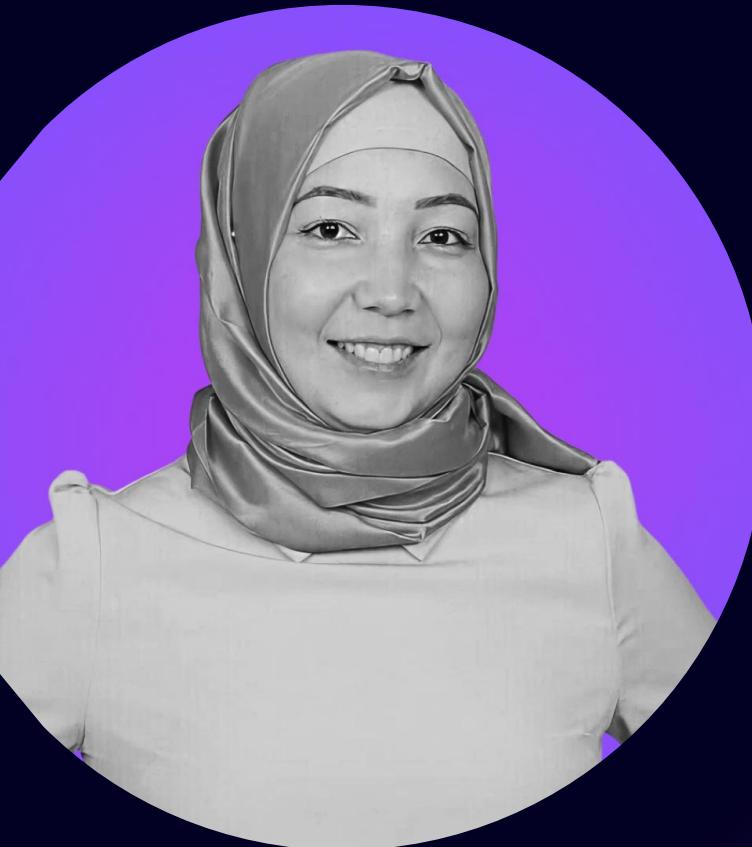
Empowering FemTech with Agent Bricks

From Data to Holistic AI Advisors_



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Senior Databricks Architect

- Databricks MVP
- Senior Databricks Architect at Lumenalta
- Blog at medium.com/@dilorom
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- Background in law



A Demonstration

Why FemTech + Data + AI?

- FemTech = fast-growing \$60B+ industry
- Women's health underrepresented in tech
- Period-tracking data = structured, personal, high-impact
- We'll use synthetic data to explore pipelines, BI and agents

Workshop Roadmap_

01 **Setup**

Databricks Free Edition + GitHub + quick tour

02 **Lakehouse**

Clean pipelines

03 **Genie**

Natural-language BI

04 **Agents**

AI copilots

05 **Wrap-up & Q/A**





Databricks

Setup_



Setting up Databricks

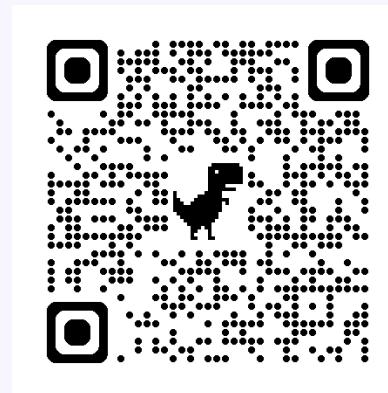
Getting Started_

- Databricks Free Edition
- Setup time: ~5 minutes
- Code in GitHub repo → connect workspace
- Run notebooks in free workspace



GitHub Repository_

github.com/DiloromA/databricks-agentbricks-wwc2025



Setting up Databricks

A Quick Tour_

Sidebar navigation

Data – Catalog – Repos – AI/ML



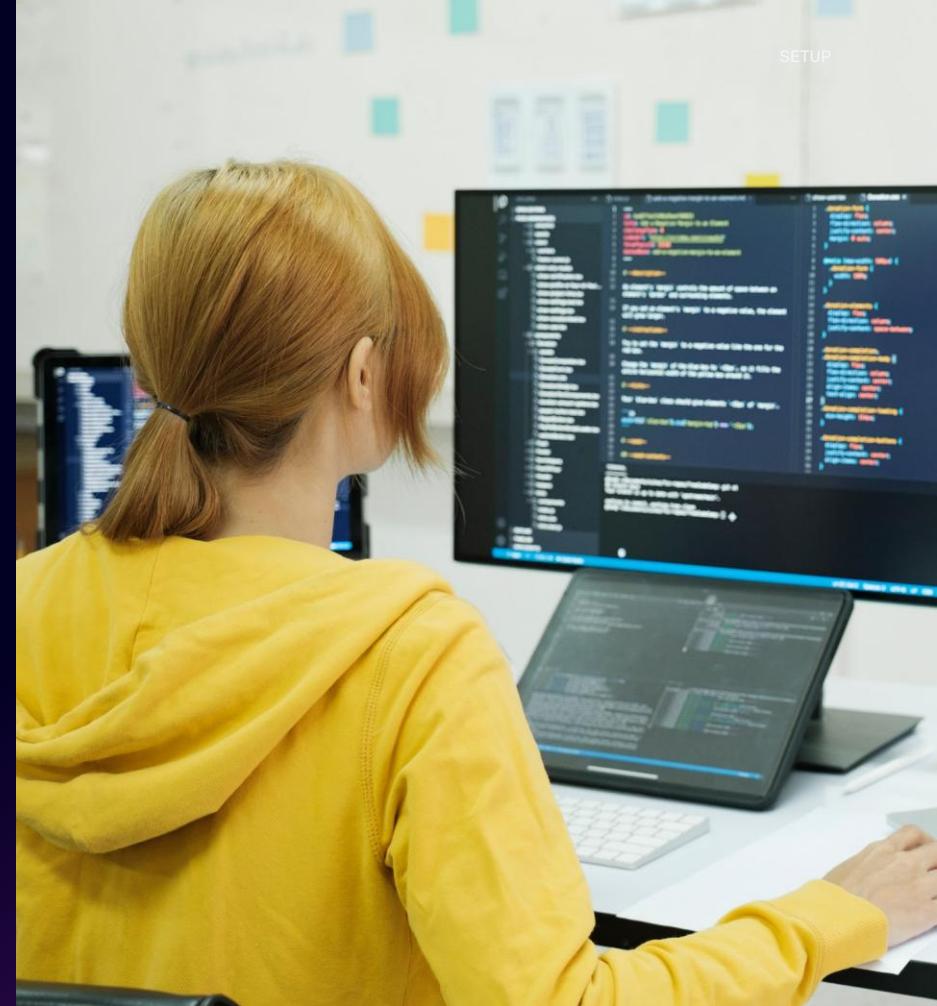
Where notebooks live



Where repos live (GitHub)



Where Model Serving endpoints live



The Dataset

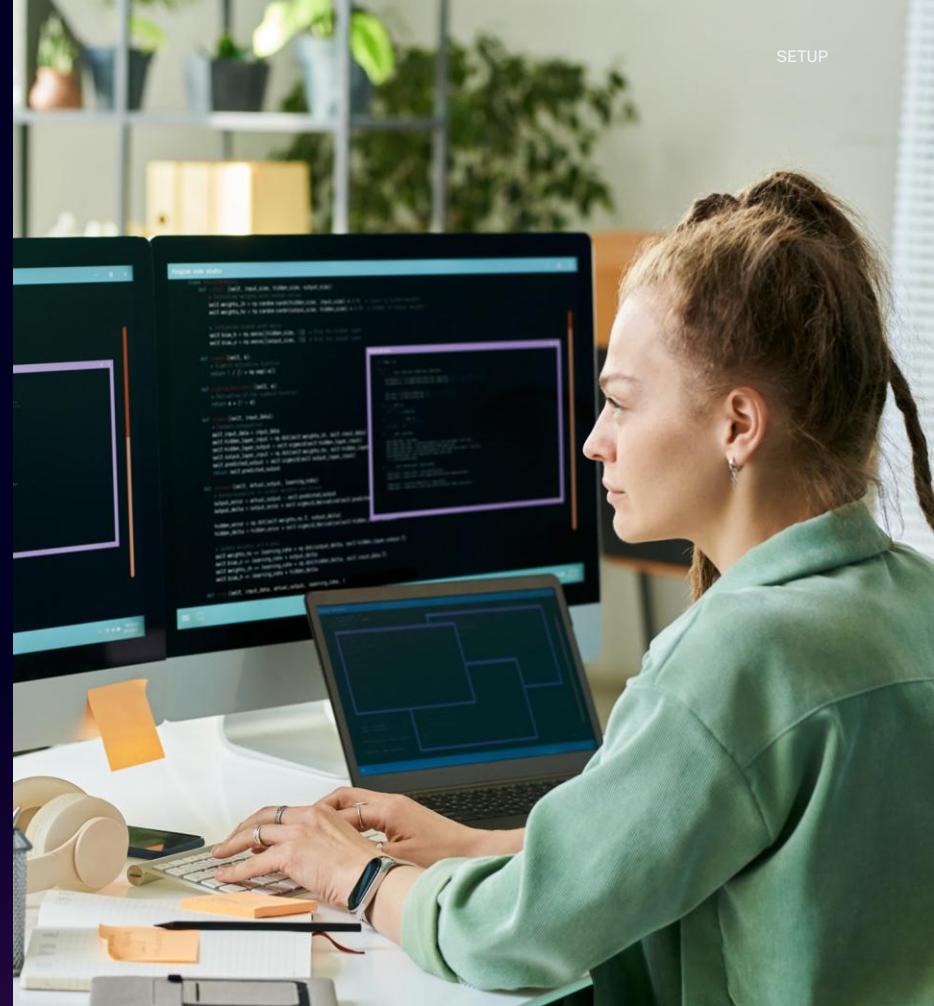
FemTech Data_

- ❖ Synthetic period-tracking dataset
- ❖ Users, cycles, symptoms, etc.

Edge cases

Long bleeds (>11 days)

Short intervals (<15 days)





Databricks

Lakehouse_





From Raw to Modeled_



Bronze – Raw CSV ingest



Silver – Cleaned tables



Gold – Metrics per user

Prepared notebook today

Hands-On Step 1

Pipeline_

- 01 Clone GitHub repo → Databricks Repos
- 02 Open **lakehouse.ipynb**
- 03 Run pipeline → **bronze** → **silver** → **gold**
- 04 Validate **gold tables**





Databricks

Genie_



Hands-On Step 2

AI/BI Genie_

- 01 Create **Genie** space
- 02 Add **gold tables** to **Genie**
- 03 Try sample queries: average cycle length, abnormal periods
- 04 See glossary terms in action





Databricks

Agents_





Agent Bricks

Beyond BI_

- **Agent:** LLM + Tools + System Prompt
- **Tools:** UC SQL functions
- Adds reasoning + logic beyond BI
- **Goal:** build a FemTech Advisor

Playground Demo_

- 01 Open **Playground** (AI/ML → Playground)
- 02 Create **UC functions** & add them as tools
- 03 Prompt examples: *abnormal periods, predictions*
- 04 Live demo of agent reasoning



Hands-On Step 3

Agent Notebook _

- 01 Open **agent.ipynb**
- 02 Run pre-built cells → agent calls UC functions
- 03 **Prompts:** abnormal cycles, predictions
- 04 Same as **Playground**, but reproducible



Why This Matters_



Lakehouse

Clean, trustworthy
data



Genie

Easy BI for all users



Agents

Domain-specific
copilots



Femtech

Relevant, impactful
example

Pattern applies **beyond healthcare**



Databricks

Wrap-up & Q/A_



Wrapping Up_

Key takeaways

pipeline → BI → agents

Resources

GitHub repos

github.com/DiloromA/databricks-agentbricks-wwc2025

github.com/chefcaspers/databricksfree

Databricks docs docs.databricks.com/aws/en/generative-ai/agent-bricks



Thank you.



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