**Step 1: What’s your main goal?**

1. **Data Integration / Movement / Orchestration**  
   → Choose **Azure Data Factory (ADF)**
   * Best for: Moving data between sources, scheduling pipelines, hybrid integration, connecting 90+ services.
   * Example: Ingest CRM data into Azure SQL DB, schedule daily batch loads.
2. **Data Storage + Analytics (SQL, BI, Reports)**  
   → Choose **Snowflake**
   * Best for: Cloud data warehouse, BI dashboards, ad-hoc SQL queries, business reporting.
   * Example: Analysts running Power BI dashboards over cleaned and structured data.
3. **Data Science / ML / Advanced Engineering**  
   → Choose **Databricks**
   * Best for: Large-scale data processing, AI/ML, streaming pipelines, open data lakehouse.
   * Example: Training ML models on IoT sensor data stored in Delta Lake.
4. **Want ML/ETL inside Snowflake (no data movement)?**  
   → Choose **Snowpark**
   * Best for: Building transformations & ML models within Snowflake using Java, Scala, Python.
   * Example: Data engineers running feature engineering inside Snowflake with Python Snowpark API.

**Step 2: Hybrid Cases**

* **Snowflake + ADF** → Ingest with ADF, store & analyze in Snowflake.
* **Databricks + Snowflake** → Use Databricks for ML/ETL, push results to Snowflake for BI.
* **ADF + Databricks** → ADF orchestrates, Databricks processes.

