



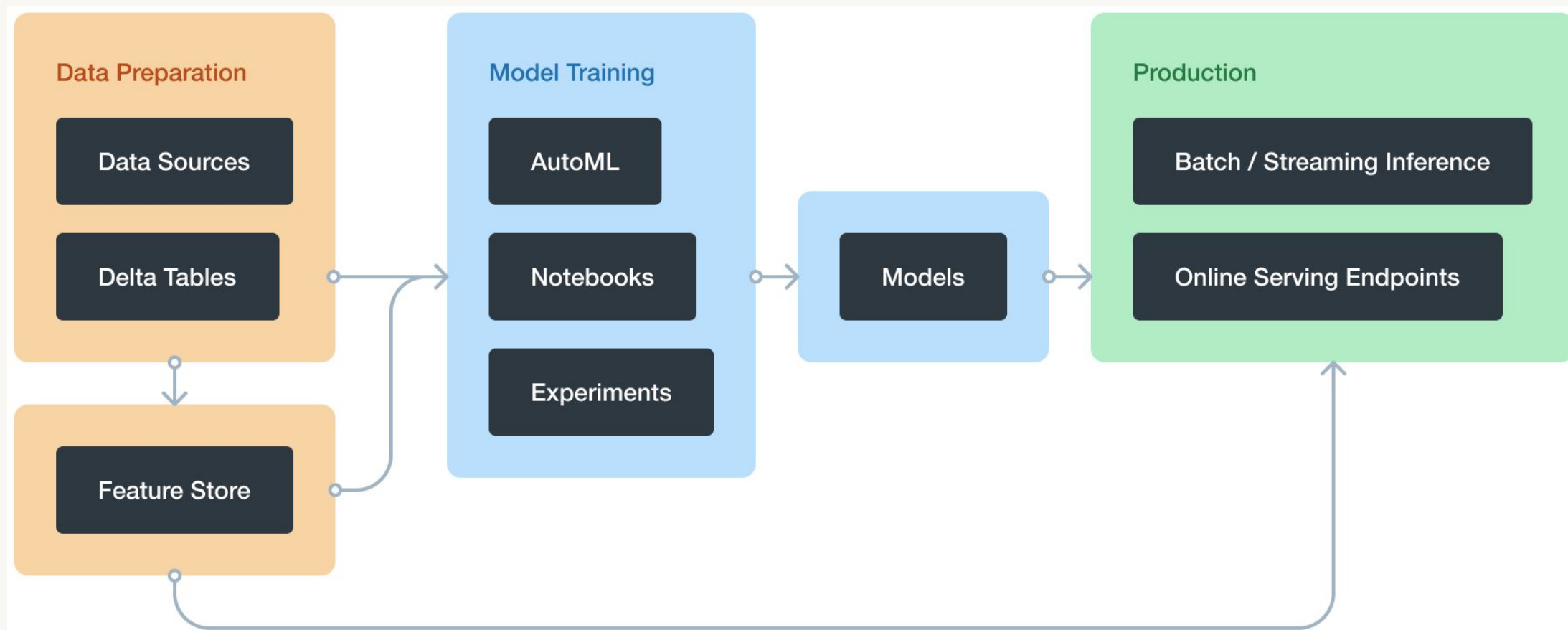
# Databricks ML Data Preparation with Feature Store

Databricks ML Data Preparation



# Learning objectives

- Explain the purpose of the Databricks Feature Store.





## Data Science Workspace



## AutoML



Data  
Ingestion



Data  
Versioning



Model  
Training



Model  
Tuning



Runtime and  
Environment



Feature  
Store



Batch (high  
throughput)



Real Time  
(low latency)



Batch  
Scoring



Online  
Serving



Monitoring



## MLOps / Governance

Open Data LakeHouse Foundation with  **DELTA LAKE**

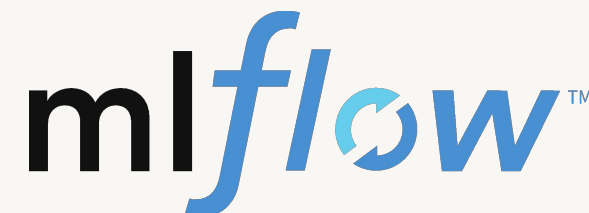
# Benefits of the Feature Store

- Organization wide access and availability.
- Feature Registry for tracking and reuse.
- Feature consistency between training and inference.

# Delta Lake and MLflow



- Open storage format
- Built-in data versioning and governance
- Native access through PySpark, SQL, etc.



- Tracking and auto-logging
- Model Registry
- Model Serving



# Databricks ML Data Preparation with Feature Store

Use Feature Store to create a  
feature table



# Learning objectives

- Use Feature Store to create a feature table.