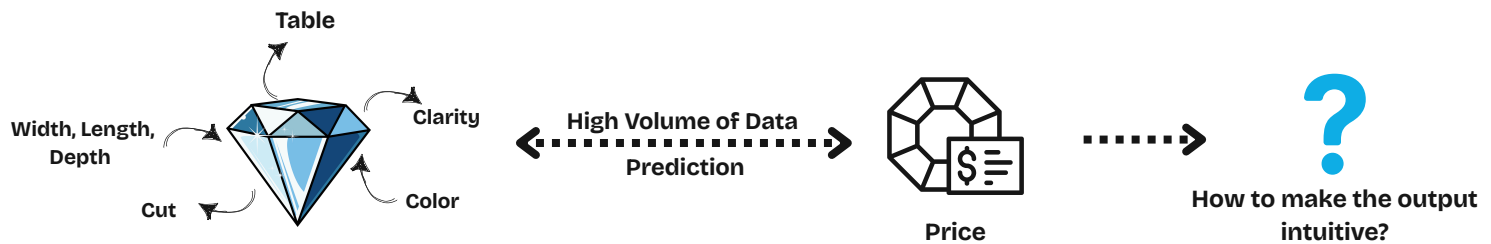




# Real-Time Price Prediction at Scale with Snowflake and Superset







## Pricing Complexity - What Makes a Diamond Valuable?



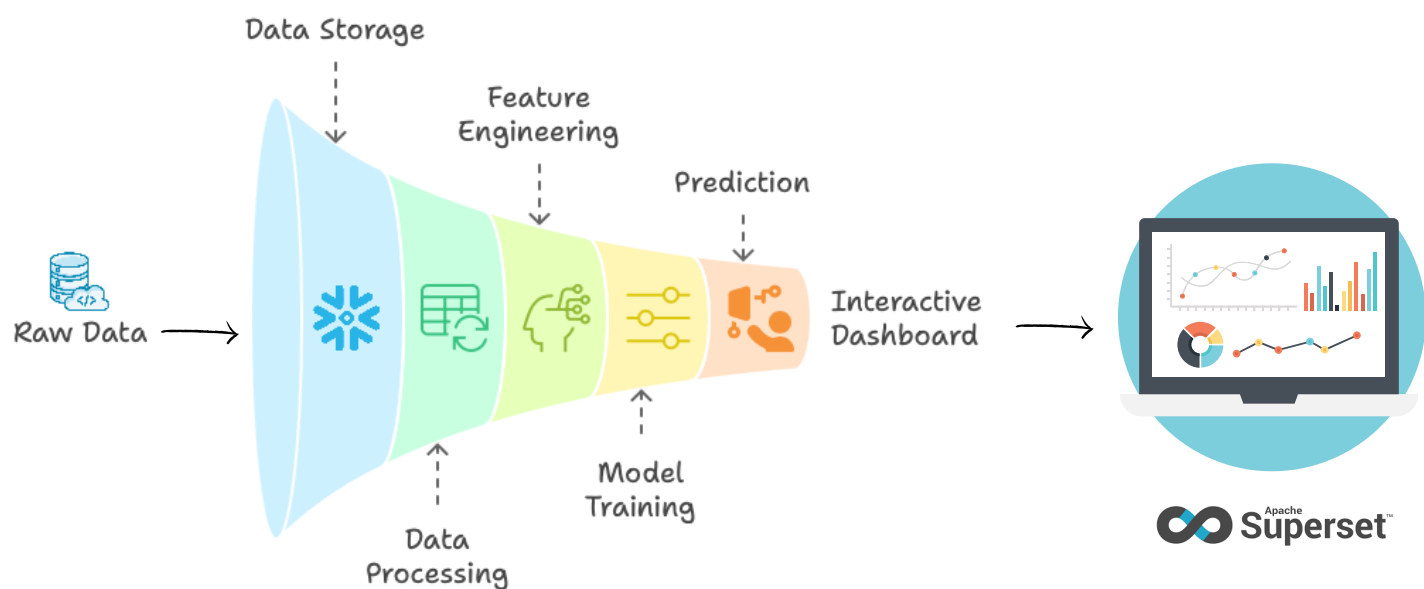
## From Source to Story: Workflow Overview



## Why Snowflake?

Features	Traditional Platforms (i.e Databricks)	VS	Snowflake
Dashboard Integration	Requires extra configuration, APIs, or exporting		Interactive Dashboard supported
Python UDF Deployment	Requires APIs or external endpoints		ML models as UDFs with SQL
Unstructured Processing	Handles complex transformations		Limitations for unstructured data
Secure, Governed Insights	External tools needed for fine-grained access control		Built-in, enterprise-grade security with native RBAC

# Snowflake-Powered Data Pipeline



## Business Use-Case



### Financial Services

Handles massive volumes of transactions, needs real-time risk analytics, fraud detection, and regulatory compliance.



### Healthcare

Manages sensitive patient data, genomics, and clinical trial data with strict privacy regulations (e.g., HIPAA).



### Retail & E-commerce

Requires fast, granular insights on customer behavior, inventory, supply chains, and omnichannel performance.



### Media & Entertainment

Needs unified analytics from streaming behavior, ad performance, and subscriber engagement.



### Technology & SaaS

SaaS platforms need scalable infrastructure for customer usage data, product telemetry, and embedded analytics.

## Meet Our Team! Group 8



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Scan the QR Code for more info!

