



SQL Projects



~Organize, Structure, Prepare~

- ETL/ELT Processing
- Data Architecture
- Data Integration
- Data Cleansing
- Data Load
- Data Modeling



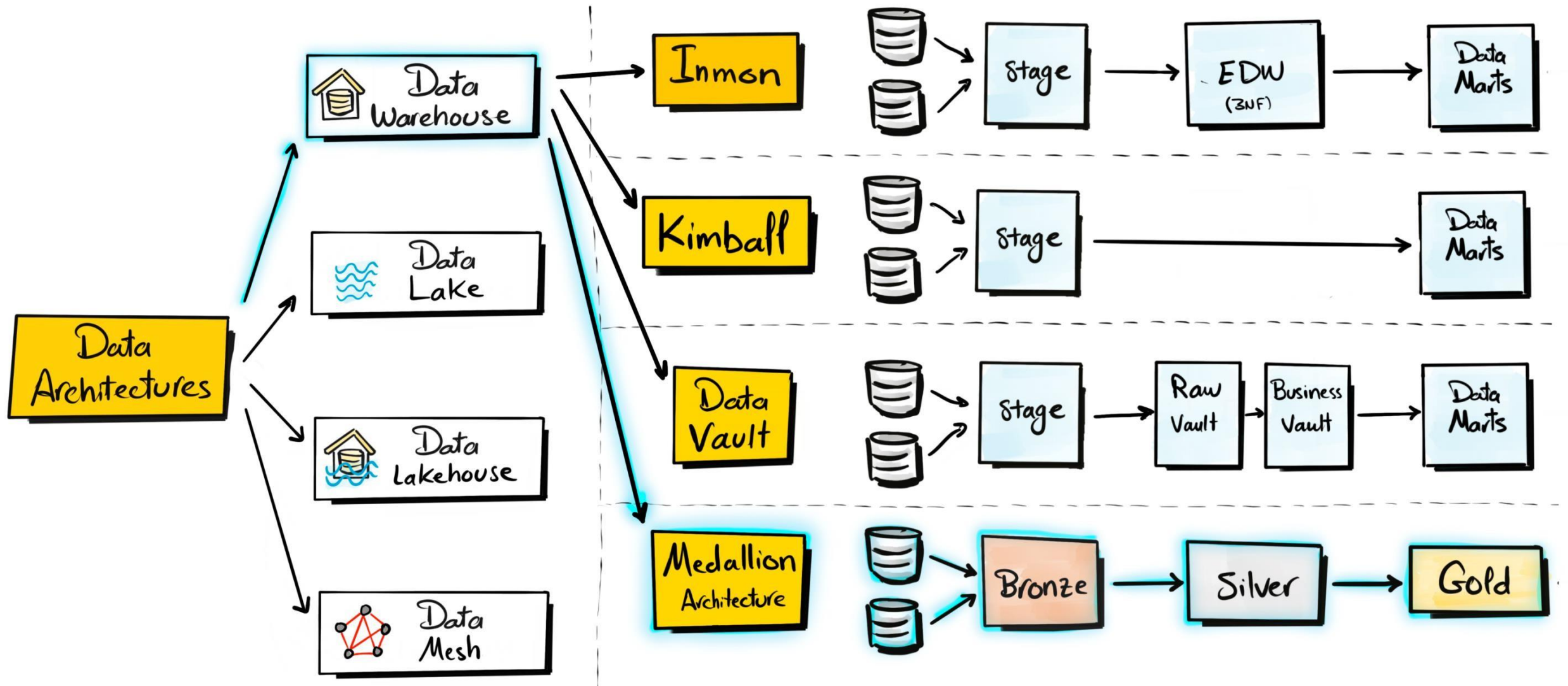
~Understand Data~

- Basic Queries
- Data Profiling
- Simple Aggregations
- Subquery



~Answer Business Questions~

- Complex Queries
- Window Functions
- CTE
- Subqueries
- Reports





Bronze Layer



Silver Layer



Gold Layer

Definition	Raw, unprocessed data as-is from sources	Clean & standardized data	Business-Ready data
Objective	Traceability & Debugging	(Intermediate Layer) Prepare Data for Analysis	Provide data to be consumed for reporting & Analytics
Object Type	Tables	Tables	Views
Load Method	Full Load (Truncate & Insert)	Full Load (Truncate & Insert)	None
Data Transformation	None (as-is)	<ul style="list-style-type: none">- Data Cleaning- Data Standardization- Data Normalization- Derived Columns- Data Enrichment	<ul style="list-style-type: none">- Data Integration- Data Aggregation- Business Logic & Rules
Data Modeling	None (as-is)	None (as-is)	<ul style="list-style-type: none">- Star Schema- Aggregated Objects- Flat Tables
Target Audience	<ul style="list-style-type: none">- Data Engineers	<ul style="list-style-type: none">- Data Analysts- Data Engineers	<ul style="list-style-type: none">- Data Analysts- Business Users

