

SQL DATA WARHOUSE

Project

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SQL Projects



Data Warehousing

"Organize, Structure, Prepare,"

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



Exploratory Data Analysis (EDA)

"Understand Data,"

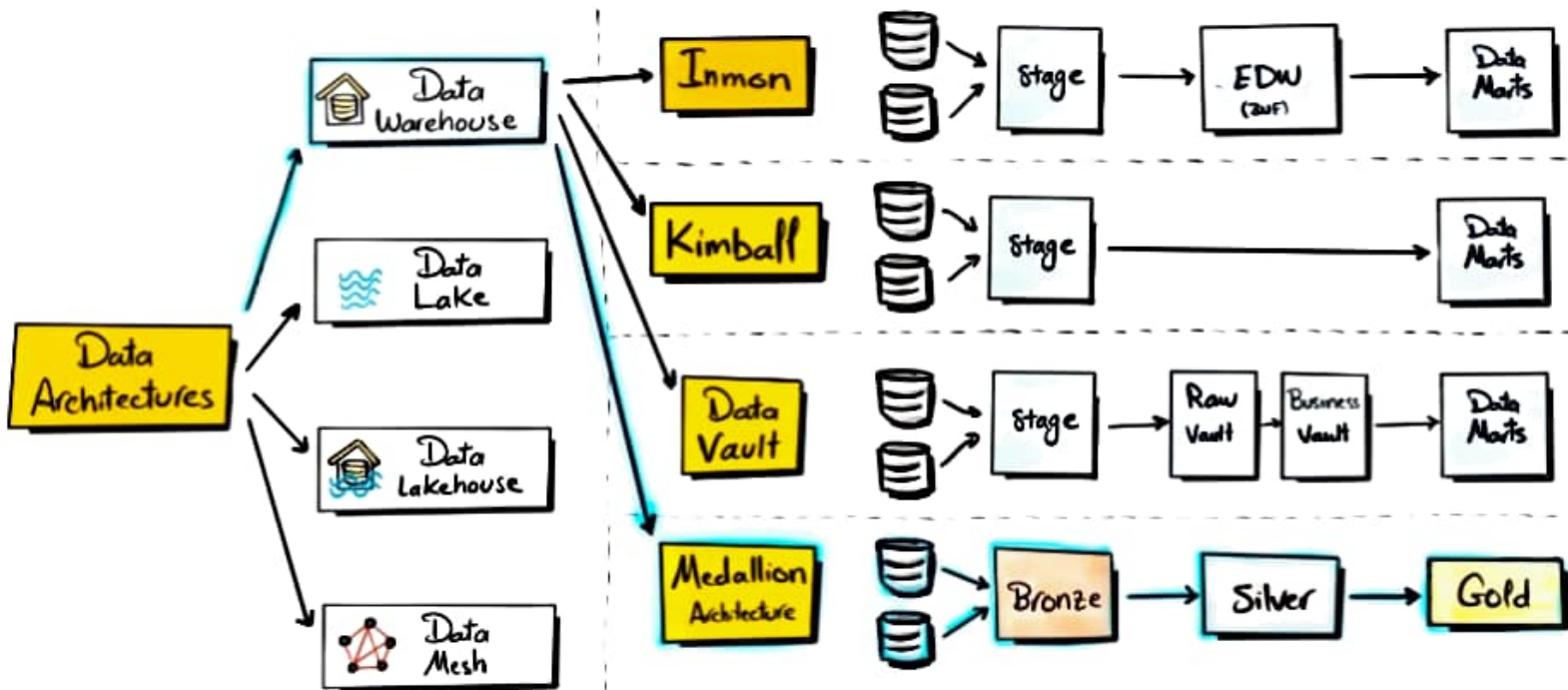
- Basic Queries
- Data Profiling
- Simple Aggregations
- Subquery



Advanced Data Analytics

"Answer Business Questions,"

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





Bronze Layer

Definition	Raw, unprocessed data as-is from sources
Objective	Traceability & Debugging
Object Type	Tables
Load Method	Full Load (Truncate & Insert)
Data Transformation	None (as-is)
Data Modeling	None (as-is)
Target Audience	- Data Engineers



Silver Layer

Clean & standardized data
(Intermediate Layer) Prepare Data for Analysis
Tables
Full Load (Truncate & Insert)
<ul style="list-style-type: none">- Data Cleaning- Data Standardization- Data Normalization- Derived Columns- Data Enrichment
None (as-is)
<ul style="list-style-type: none">- Data Analysts- Data Engineers



Gold Layer

Business-Ready data
Provide data to be consumed for reporting & Analytics
Views
None
<ul style="list-style-type: none">- Data Integration- Data Aggregation- Business Logic & Rules
<ul style="list-style-type: none">- Star Schema- Aggregated Objects- Flat Tables
<ul style="list-style-type: none">- Data Analysts- Business Users

