Src, process web server 🡪

ETL data warehouse🡪

indexing satiation

materialized view + index “roll up” = “group by” view

alert, reports, dashboard, ad hoc

analysis ------

Queries

traditional SQL: join, group by

mapping --- deeply nested query

object relational

window fet (SQL) time series

User Defined Function (UDF)

* Scalar value function

Table Value Function (TVF)

R: