**Primary Actors** End-users

**Kimball Inmon**

**Approach** Bottom-up approach

**Business area** Focus only on an

individual area

IT related professionals

Top-Down approach

Enterprise-wide area

Cost-effective since it
  
uses the iterative steps

**Cost-effectiveness**

**Data Model**

De-normalized data model

High initial cost with low development cost

Normalized data model

**Stability** Highly stable

Build time Efficient and less time in

the building process

**Dimensional** Star model, Snowflake

**models** model

**Development** Adopt from the spiral

**methodology** methodology

Data store has a high rate of change.

Complex and take more time to build a process

ER modeling techniques

Based on a centralized approach with four steps

Primary Actors , End-users , IT related professionals ,, Approach , Bottom-up approach , Top-Down approach ,, Business area , Focus only on an individual area , Entreprise-wide area ,, **Cost-effectiveness ,** Cost-effective since it
  
uses the iterative steps , model

**Cost-effectiveness**

**Data Model**

High initial cost with low development cost

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