

Data Modelling

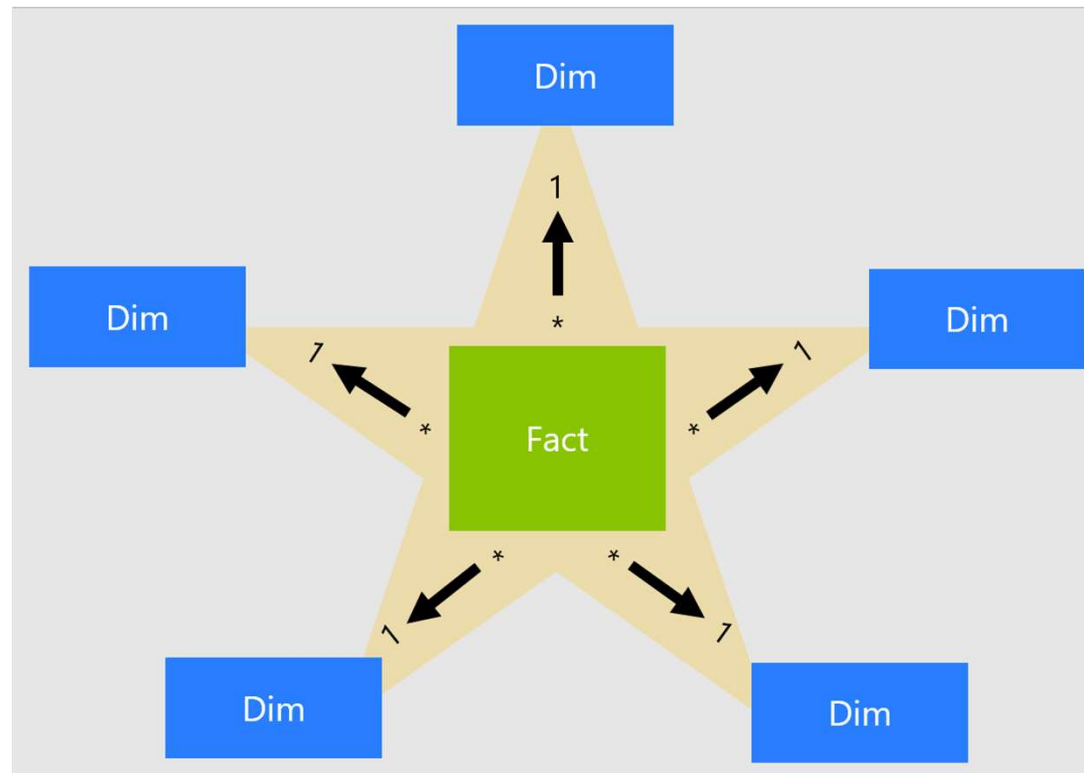


Zyeed Ahmed.
Aspiring To Learning Data Engineer.

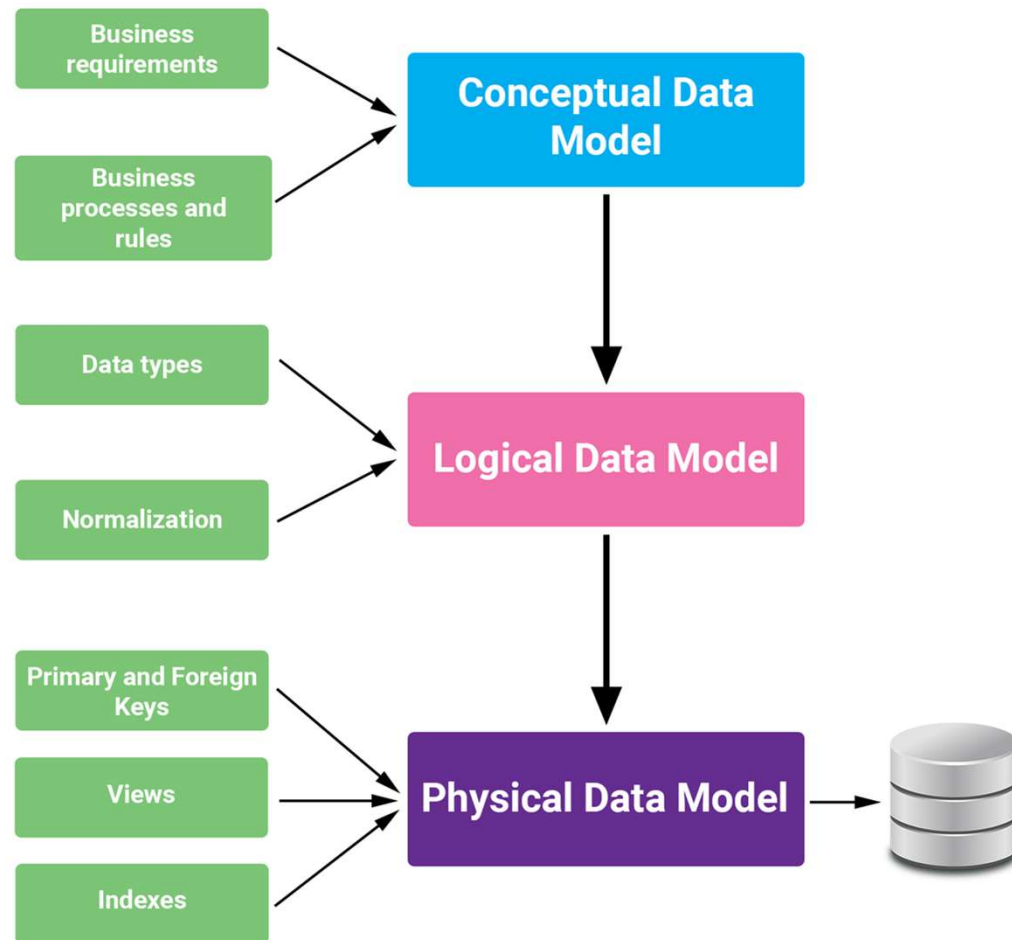


Data Modelling

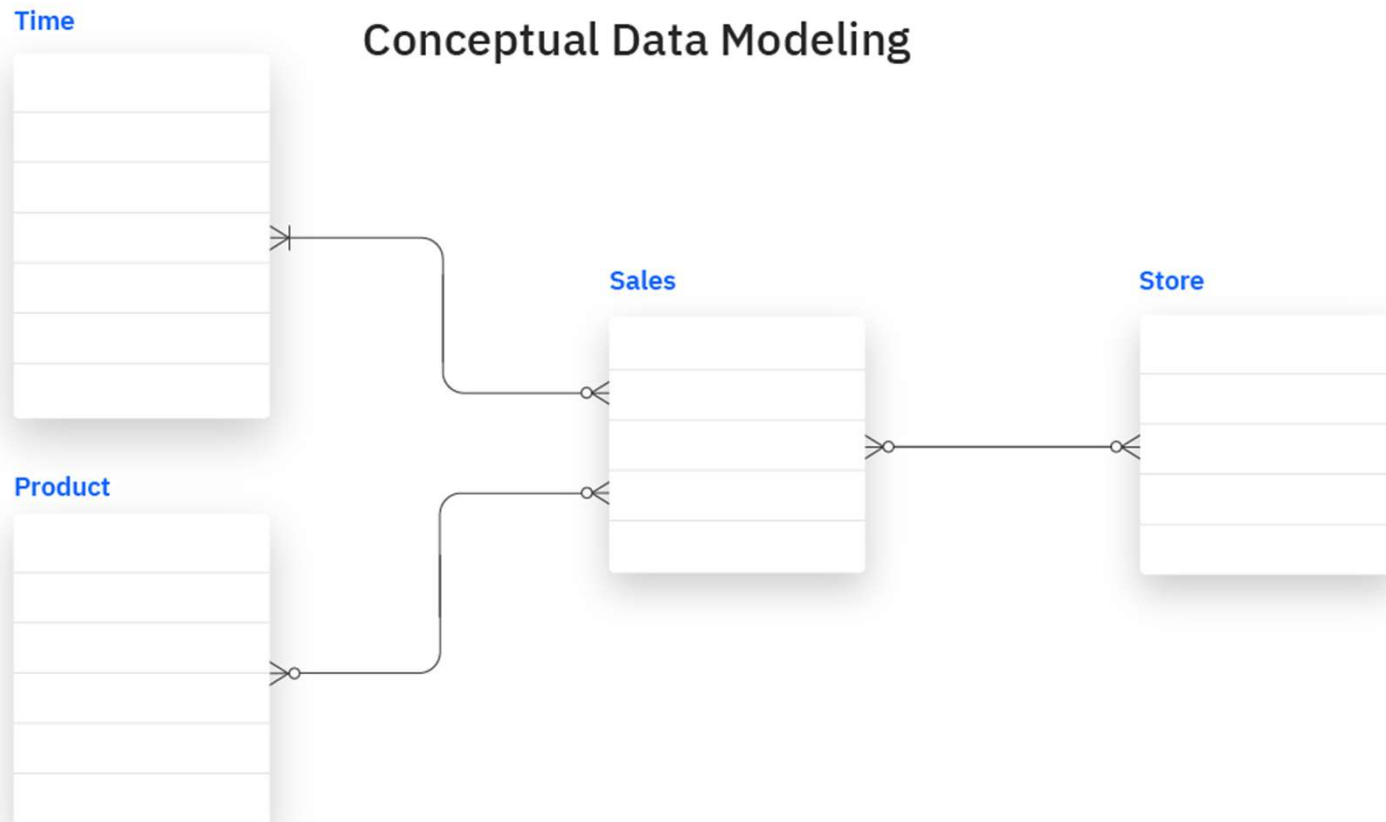
Data modeling is the process of creating a visual representation of either a whole information system or parts of it to communicate connections between data points and structures.



Data Modelling Steps



Data Modelling Steps



Data Modelling Steps

Time

Date
Date description
Month
Month description
Year
Week
Week description

Product

Product ID
Product description
Category
Category description
Unit price
Created

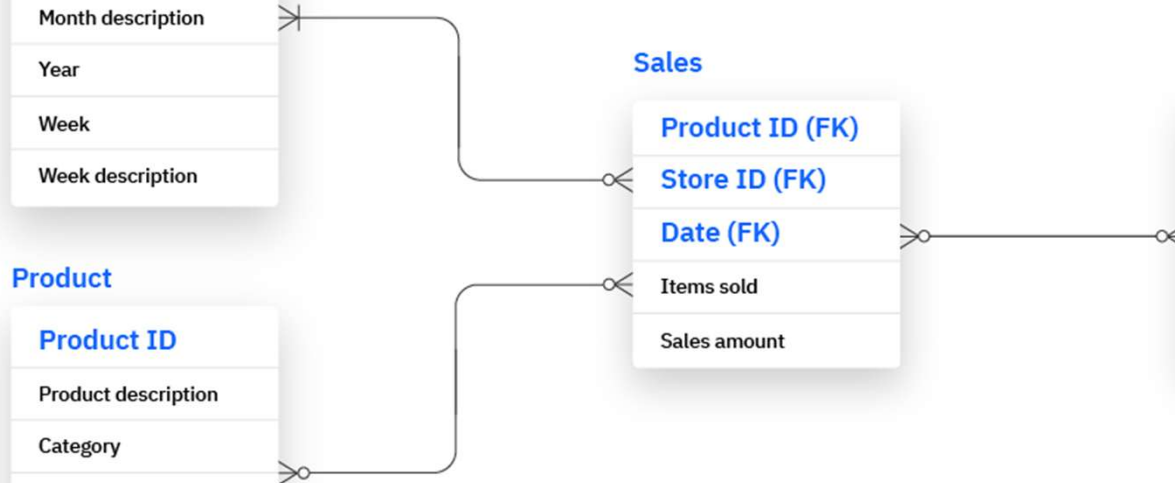
Logical Data Modeling

Sales

Product ID (FK)
Store ID (FK)
Date (FK)
Items sold
Sales amount

Store

Store ID
Product description
Region
Region name
Created



Data Modelling Steps

Dim_Time

Date_ID	Integer
Date_desc	Varchar(30)
Month_ID	Integer
Month_desc	Varchar(30)
Year	Integer
Week_ID	Integer
Week_desc	Varchar(30)

DIM_Product

Product_ID	Integer
Prod_Dec	Varchar(30)
Category_ID	Integer
Category_desc	Varchar(30)
Unit_price	Float
Created	Date

Physical Data Modeling

Fact_Sales

Product_ID	Integer
Store_ID	Integer
Date_ID	Integer
Items_sold	Integer
Sales_amount	Float

DIM_Store

Store_ID	Integer
Store_desc	Varchar(30)
Region_ID	Integer
Region_name	Varchar(30)
Created	Date

