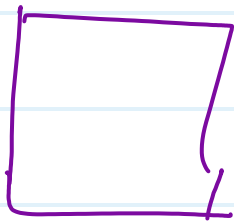


* Data modeling



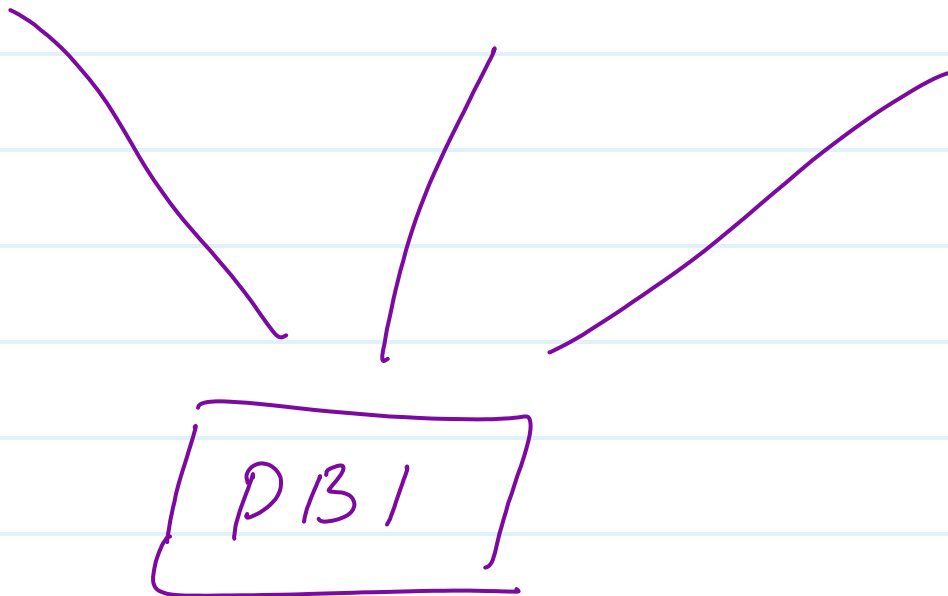
MySQL



Excel



Big query



Primary key

foreign key

CARDINALITY

one to many
many to many
many to one
one to one

Type of tables

- ① Flat table
- ② Dimension table
- ③ fact table

Order
Id
Sales
Category
Subcat
Qty
profit

↓
Flat

ID
Category
Segment
Date

↓
Dimension table

ID
Sales
Profit
Discount

→ fact

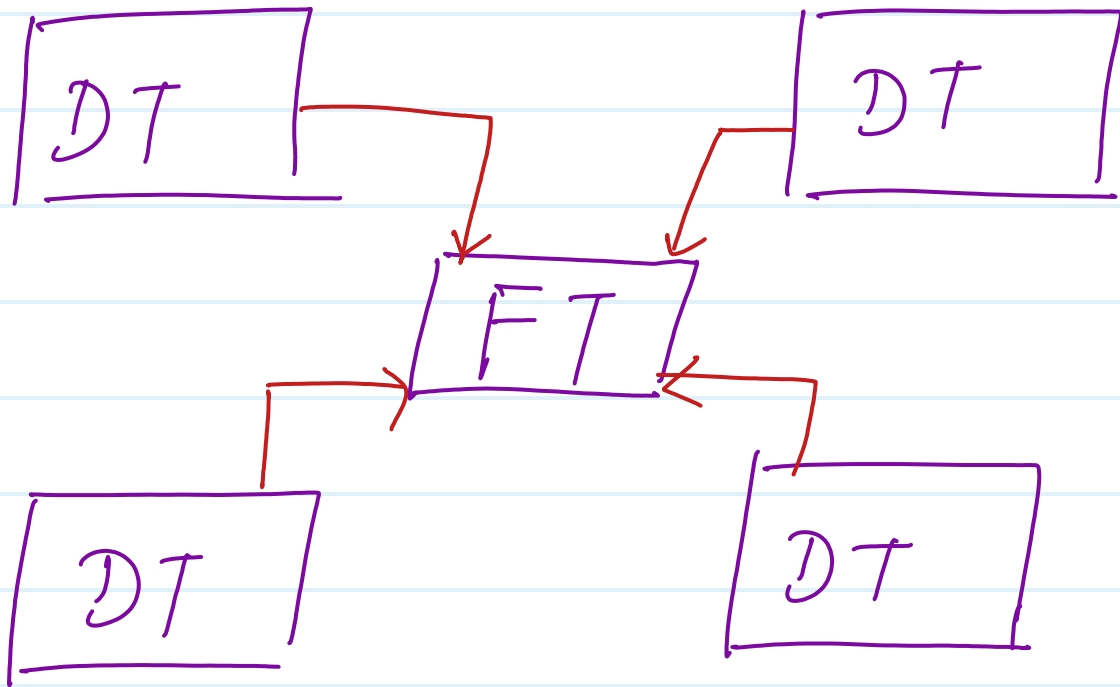
* Schema

- ① Flat schema
- ② Star schema
- ③ Snowflake schema
- ④ Galaxy schema
- ⑤ Hybrid schema

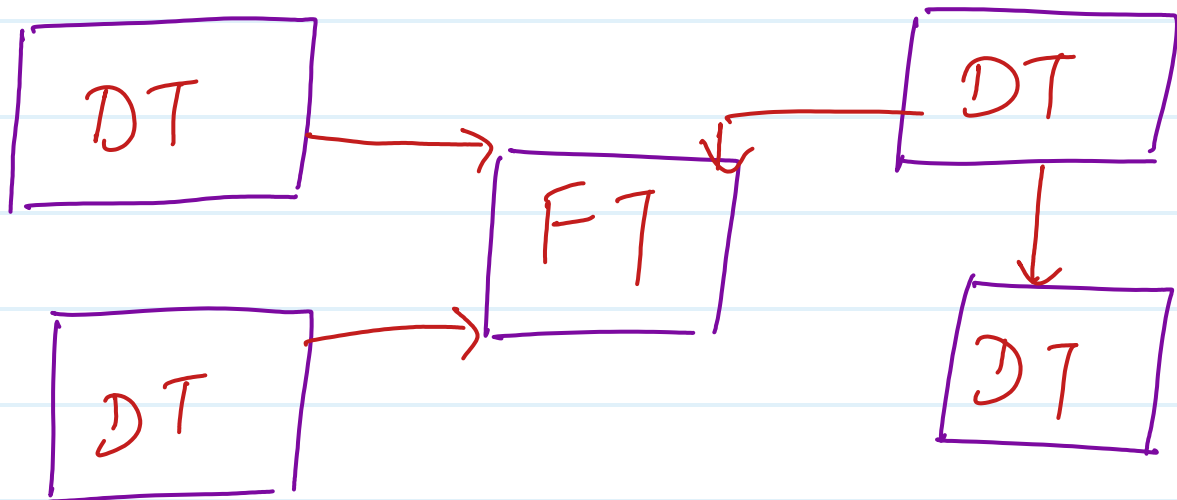


Single table
(Flat)

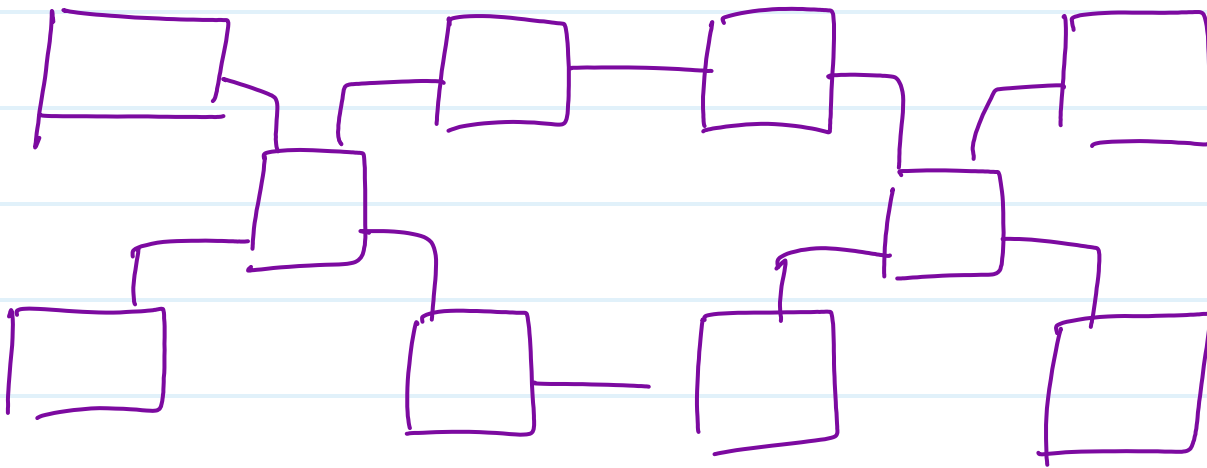
flat schema



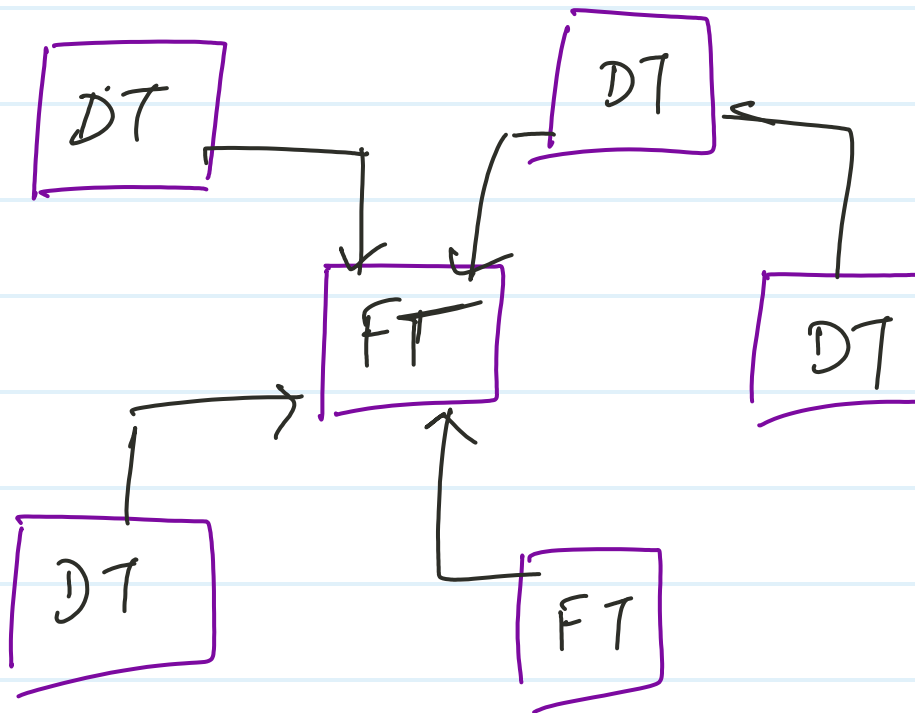
star schema



snowflake schema



Galaxy schema



Hybride schema

1