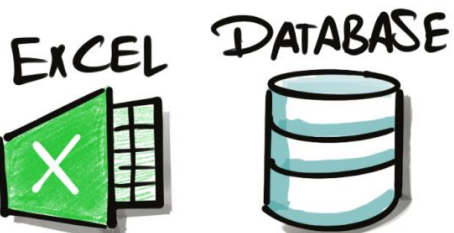
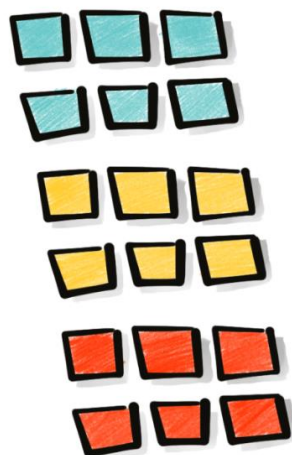


# VARIETY

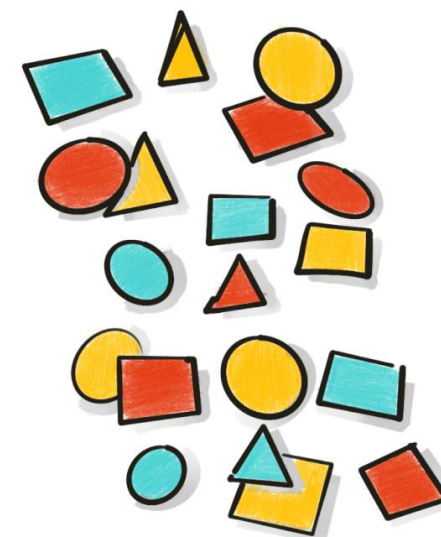
## Structured



## Semi-Structured



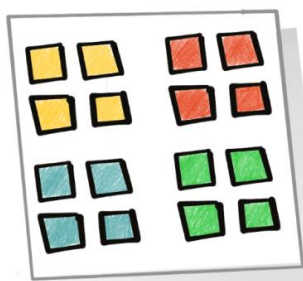
## Unstructured



# VELOCITY



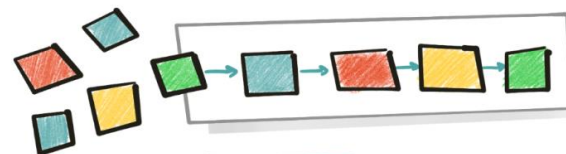
## BATCH



once a day  
Hours → Mins

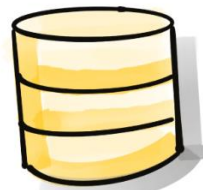


## STREAM

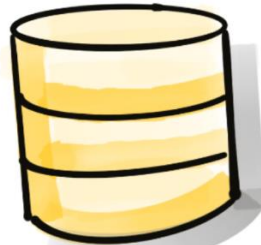


24  
SEC → MSEC

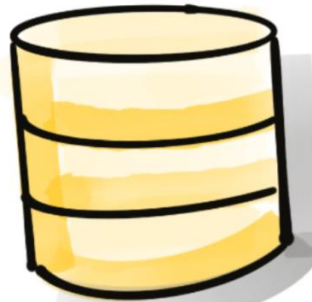
# VOLUME



MB



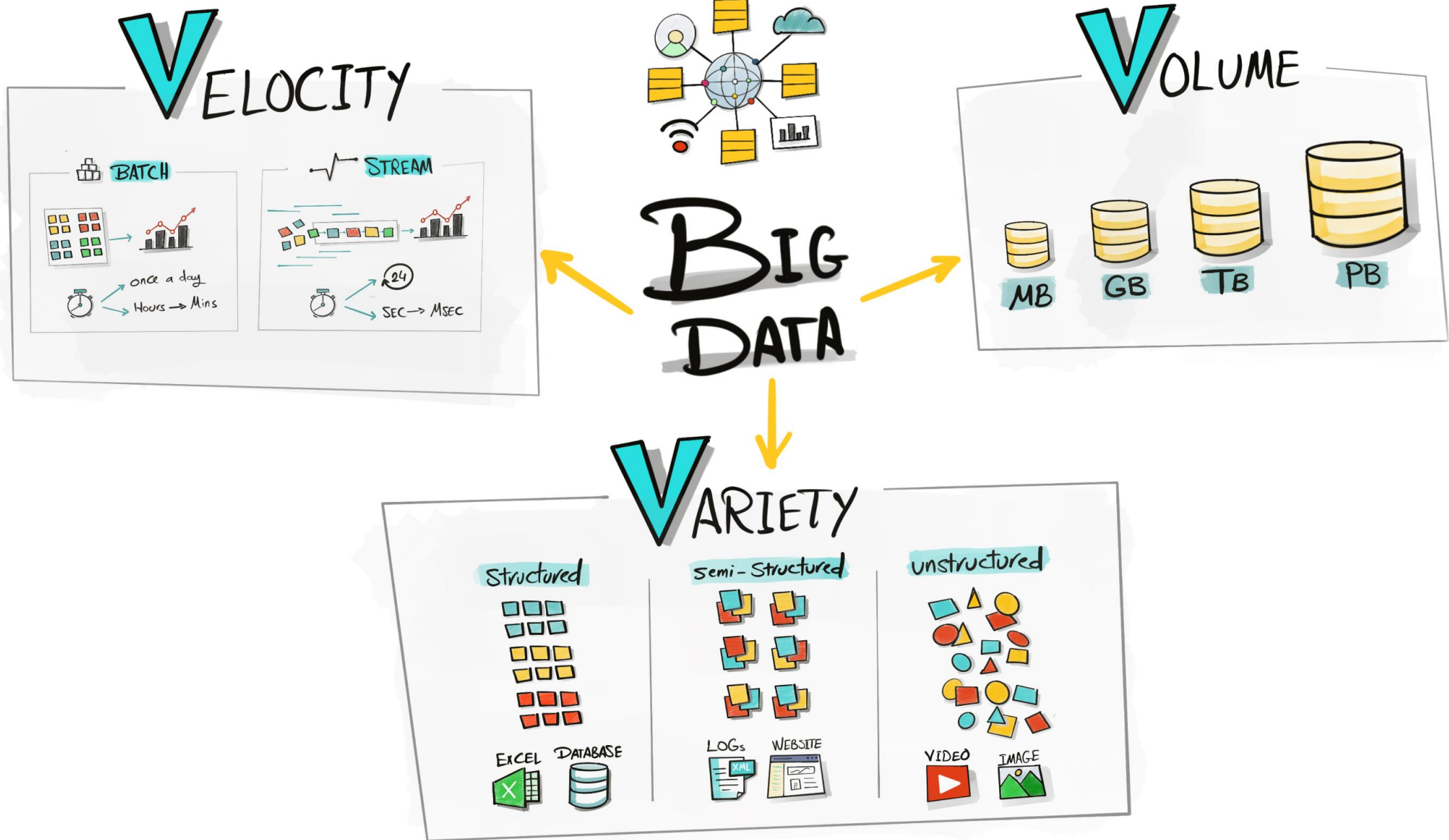
GB




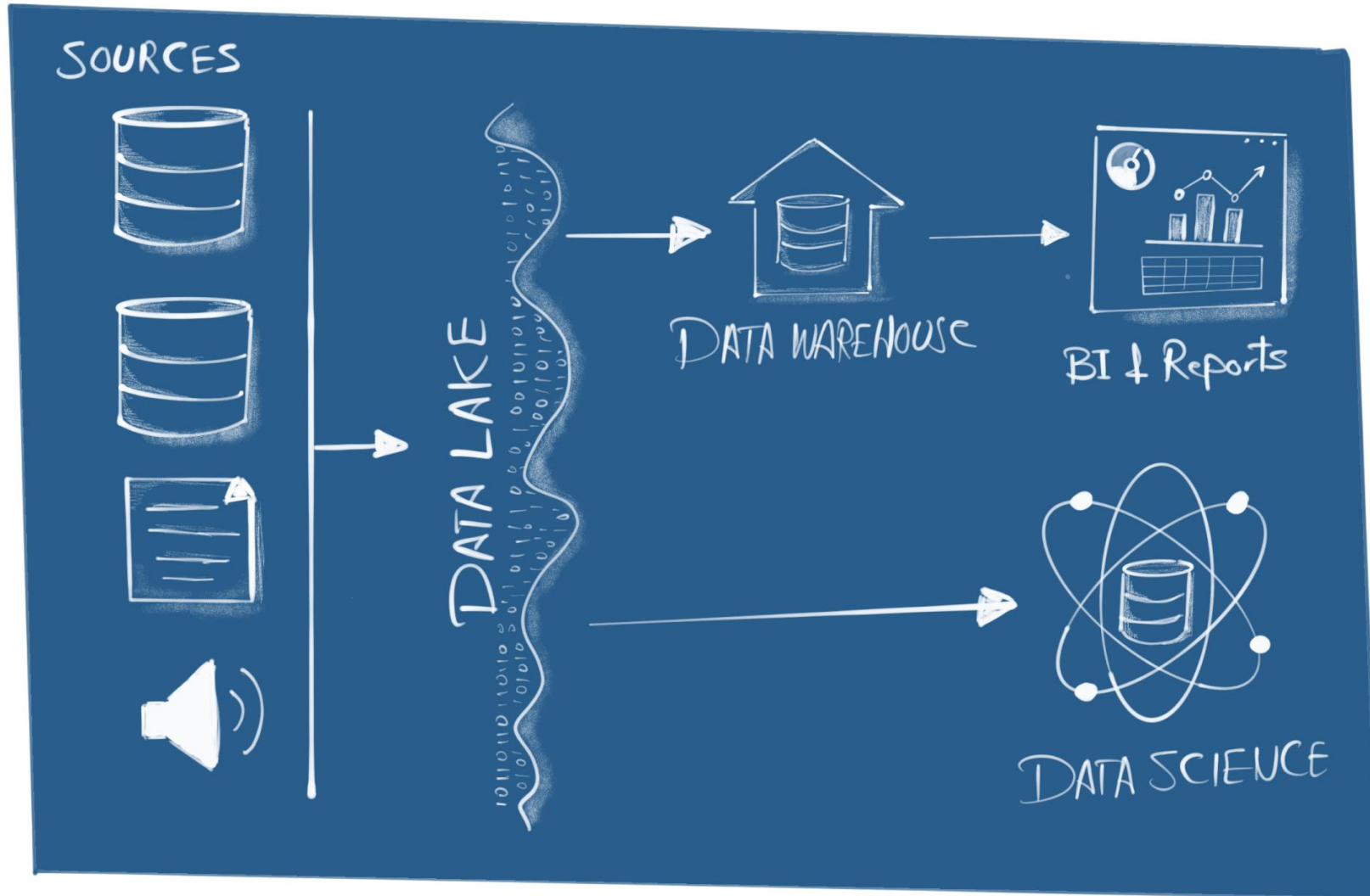
TB



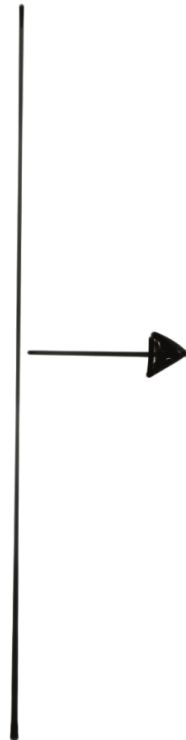
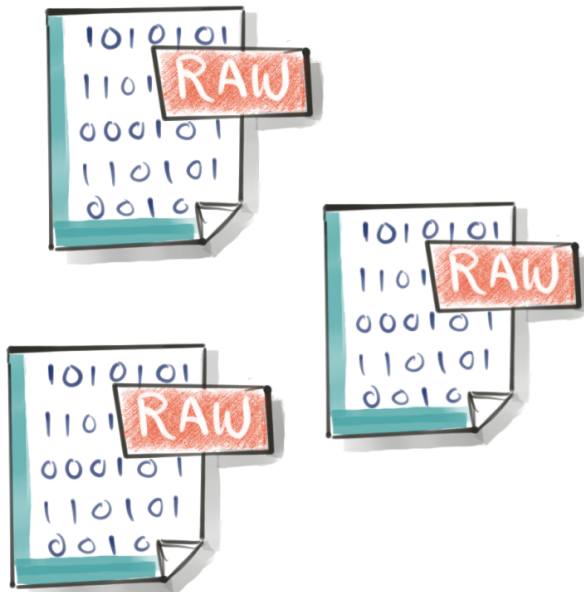
PB



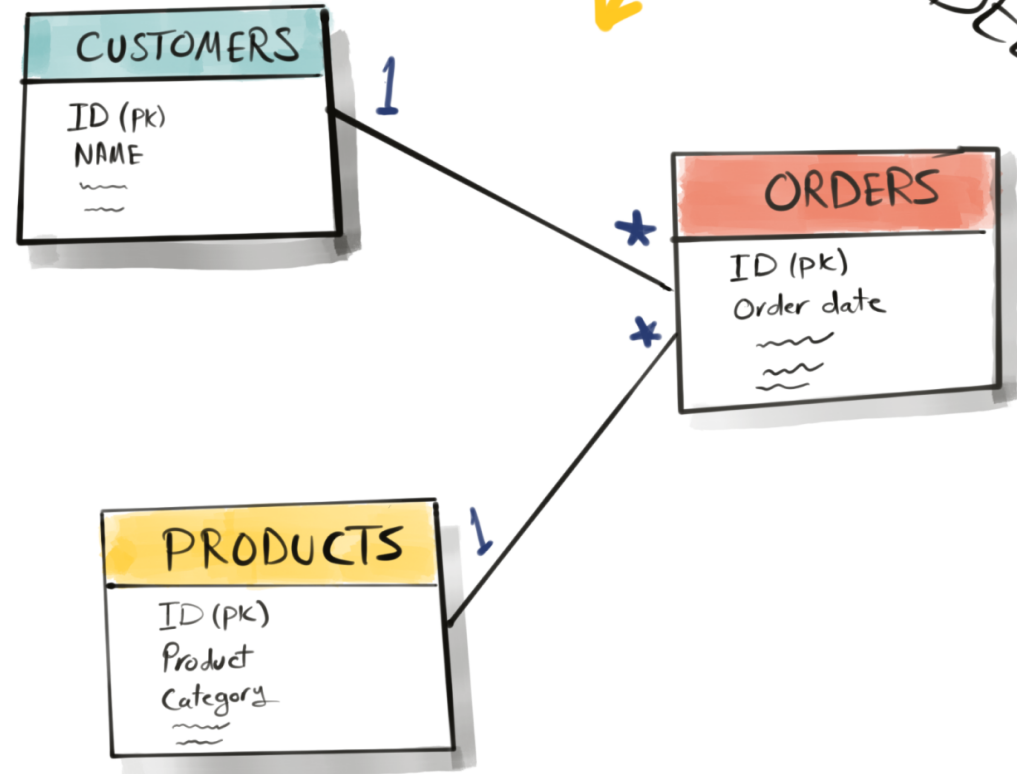
Blueprint 



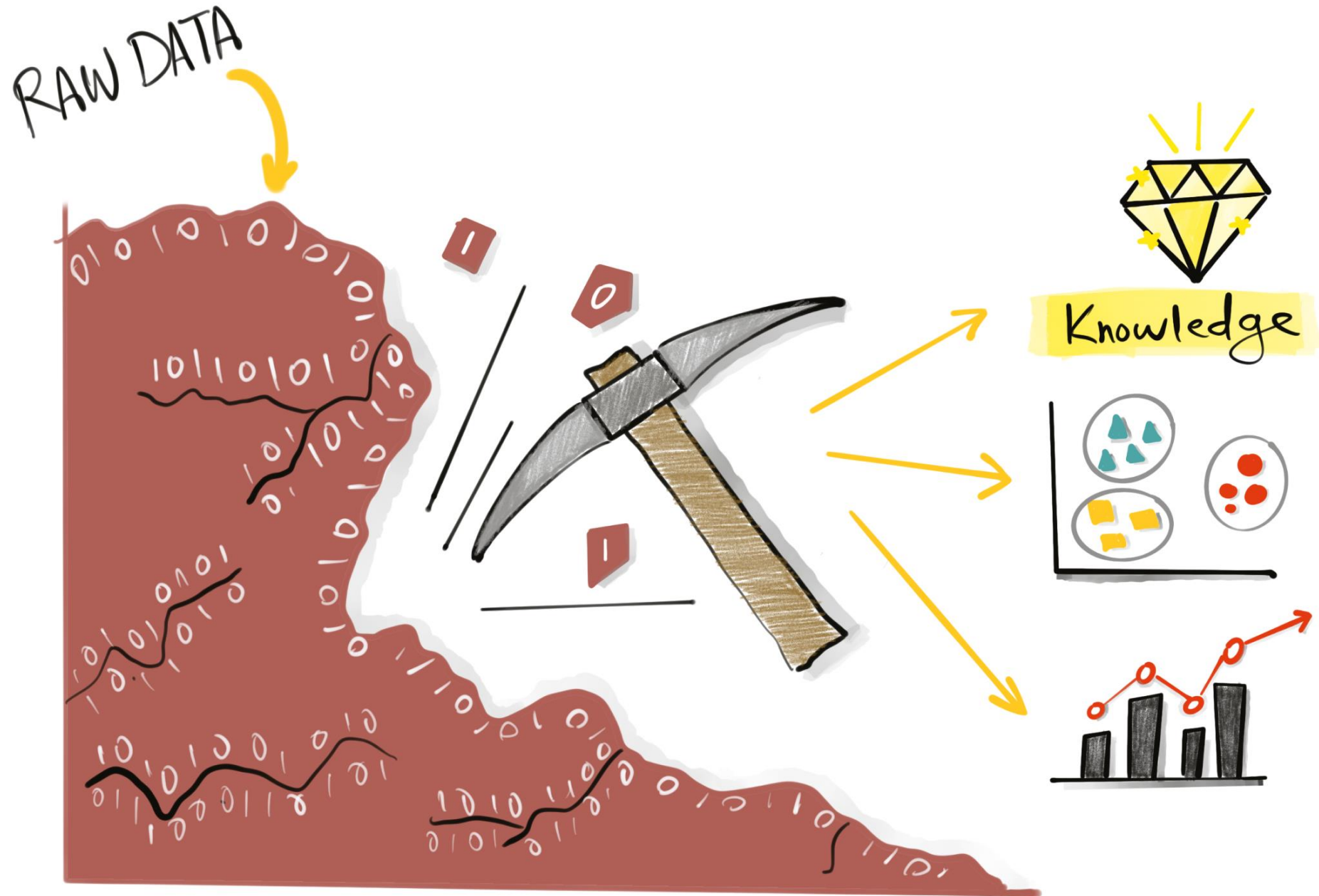
RAW DATA



Logical  
DATA MODEL



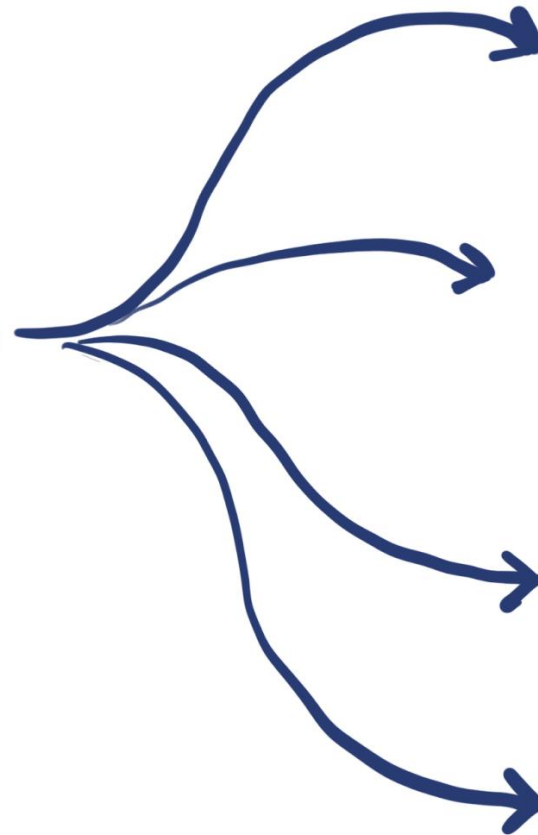
# DATA MINING



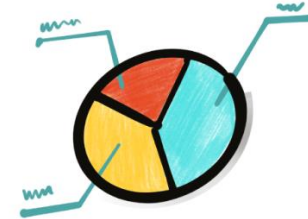
RAW DATA



101101010010101010



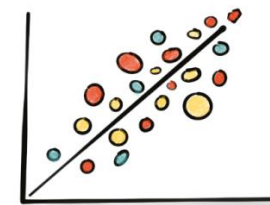
BARS



PIE



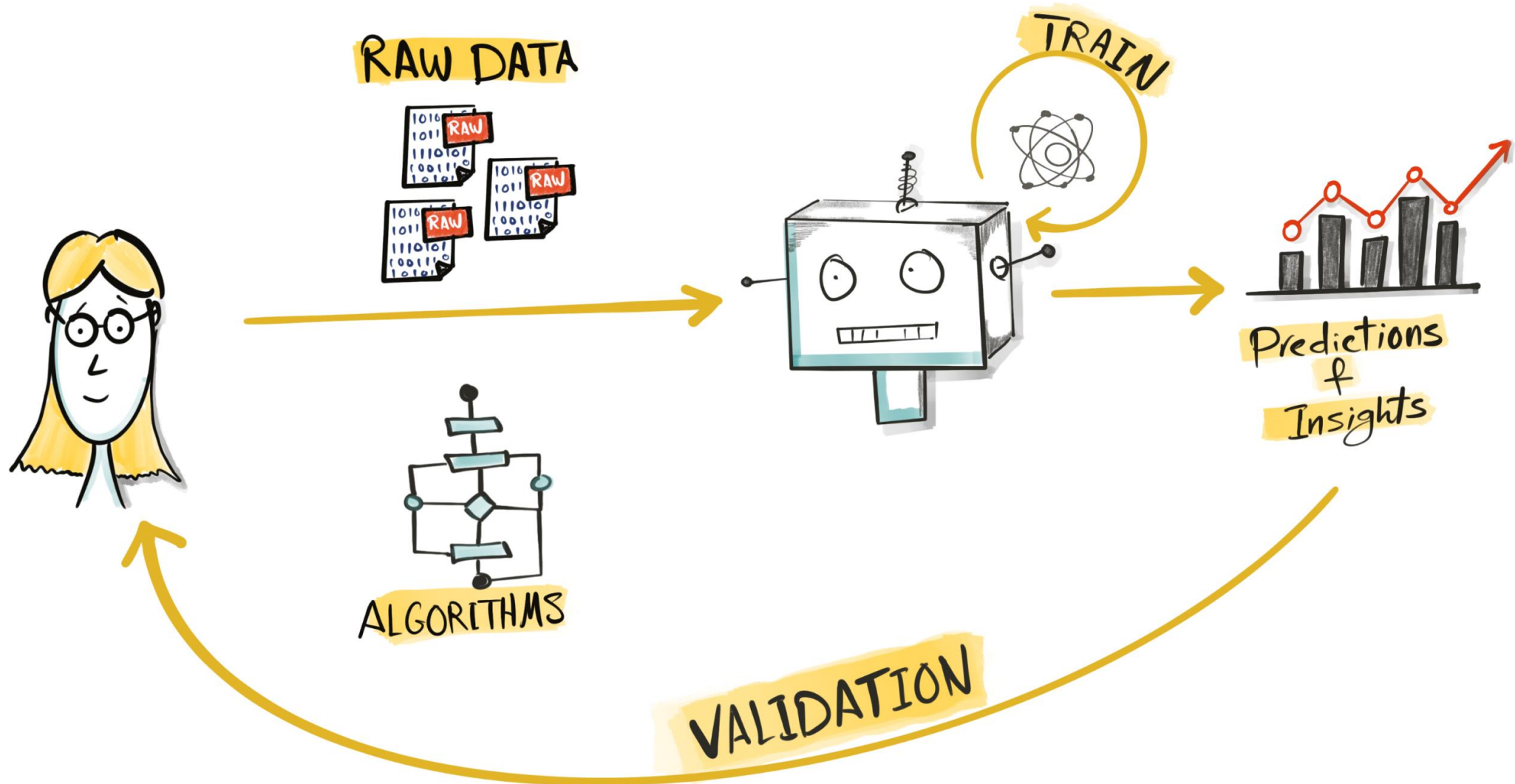
TREE



PLOTS



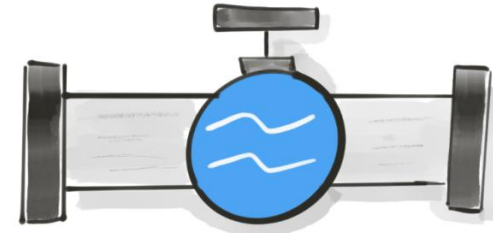
# MACHINE LEARNING



## DATA STORAGE

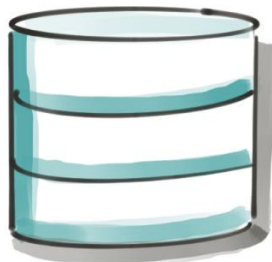


## DATA PIPELINE

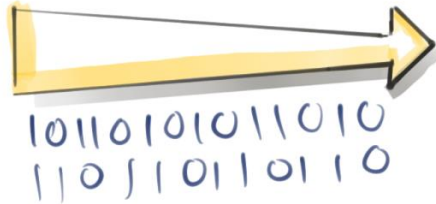


## ETL

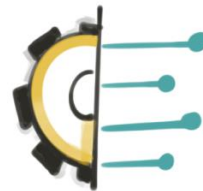
SOURCE



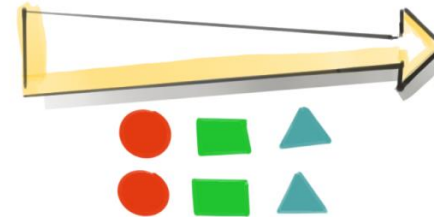
EXTRACT



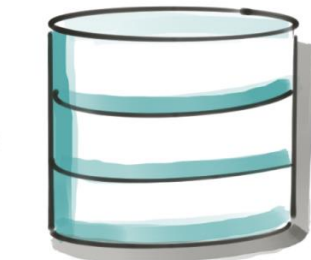
TRANSFORM

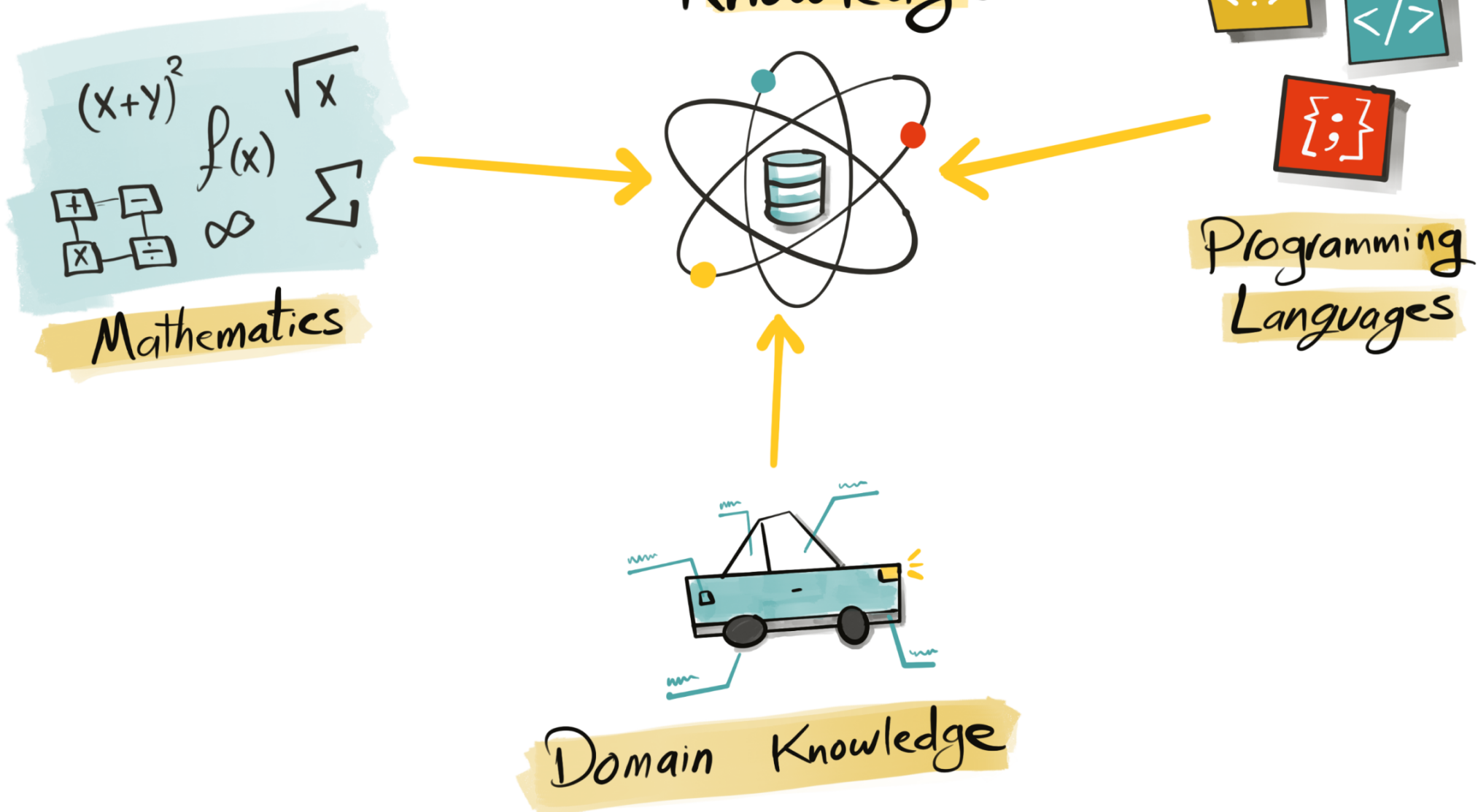


LOAD

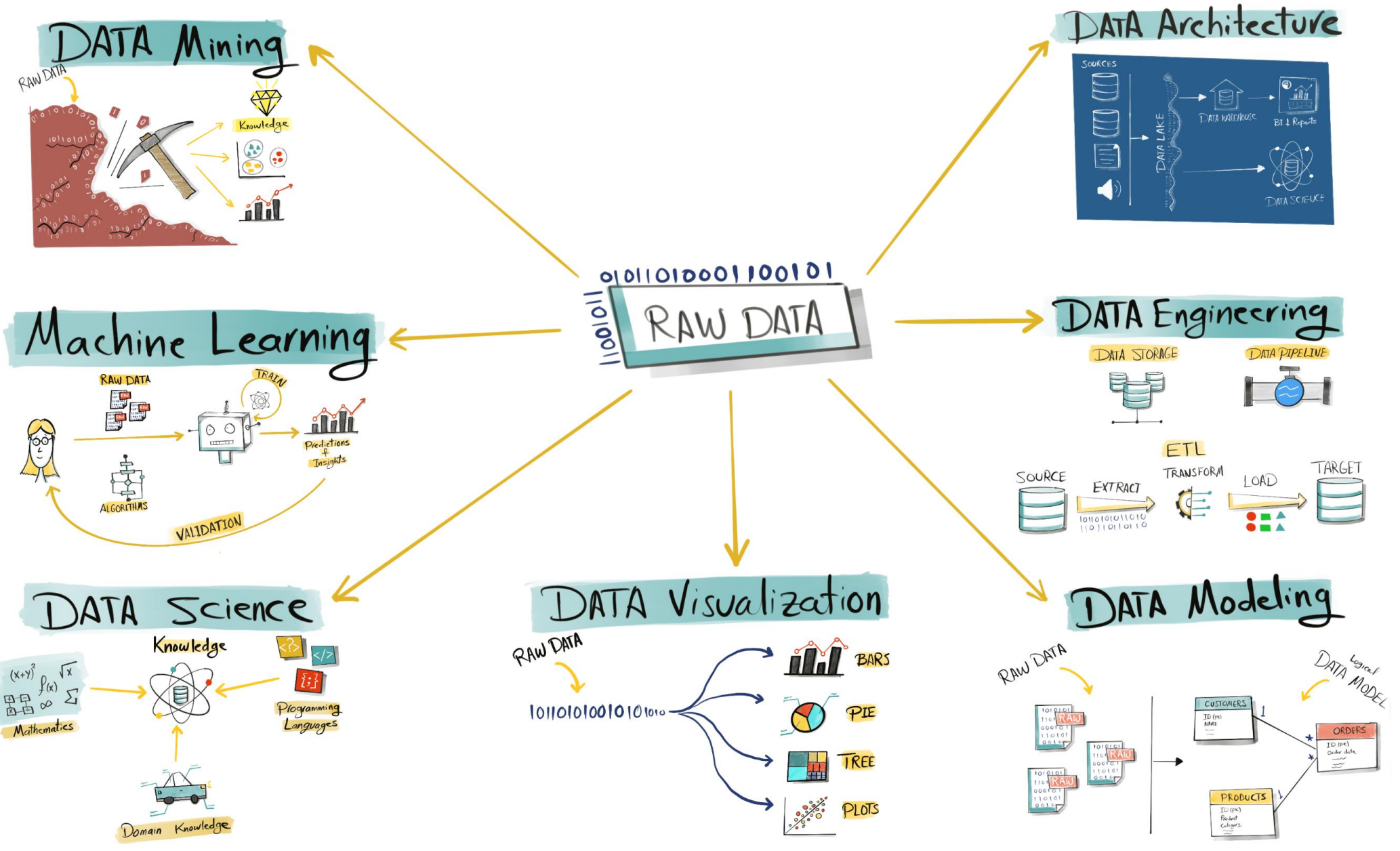


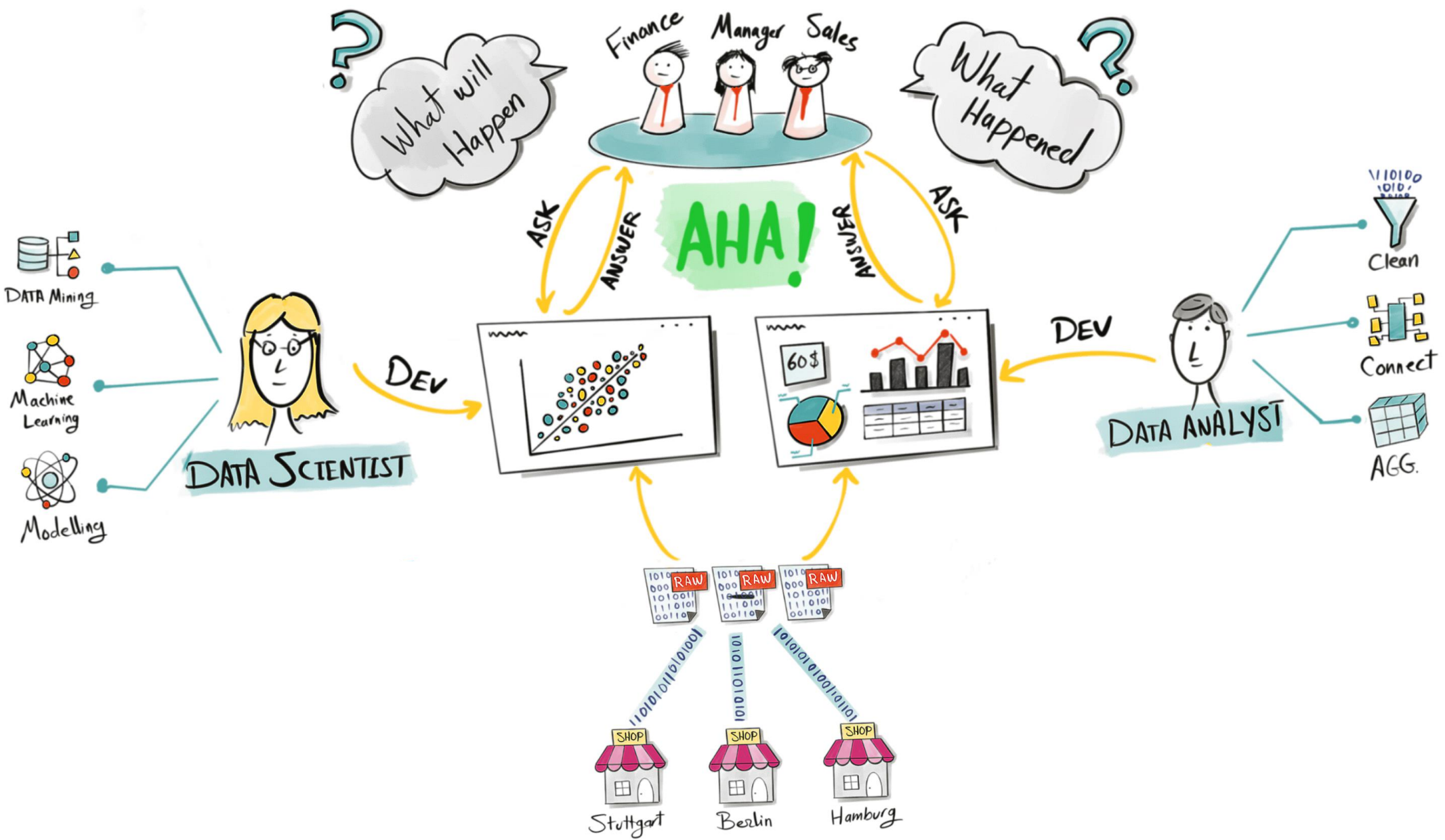
TARGET

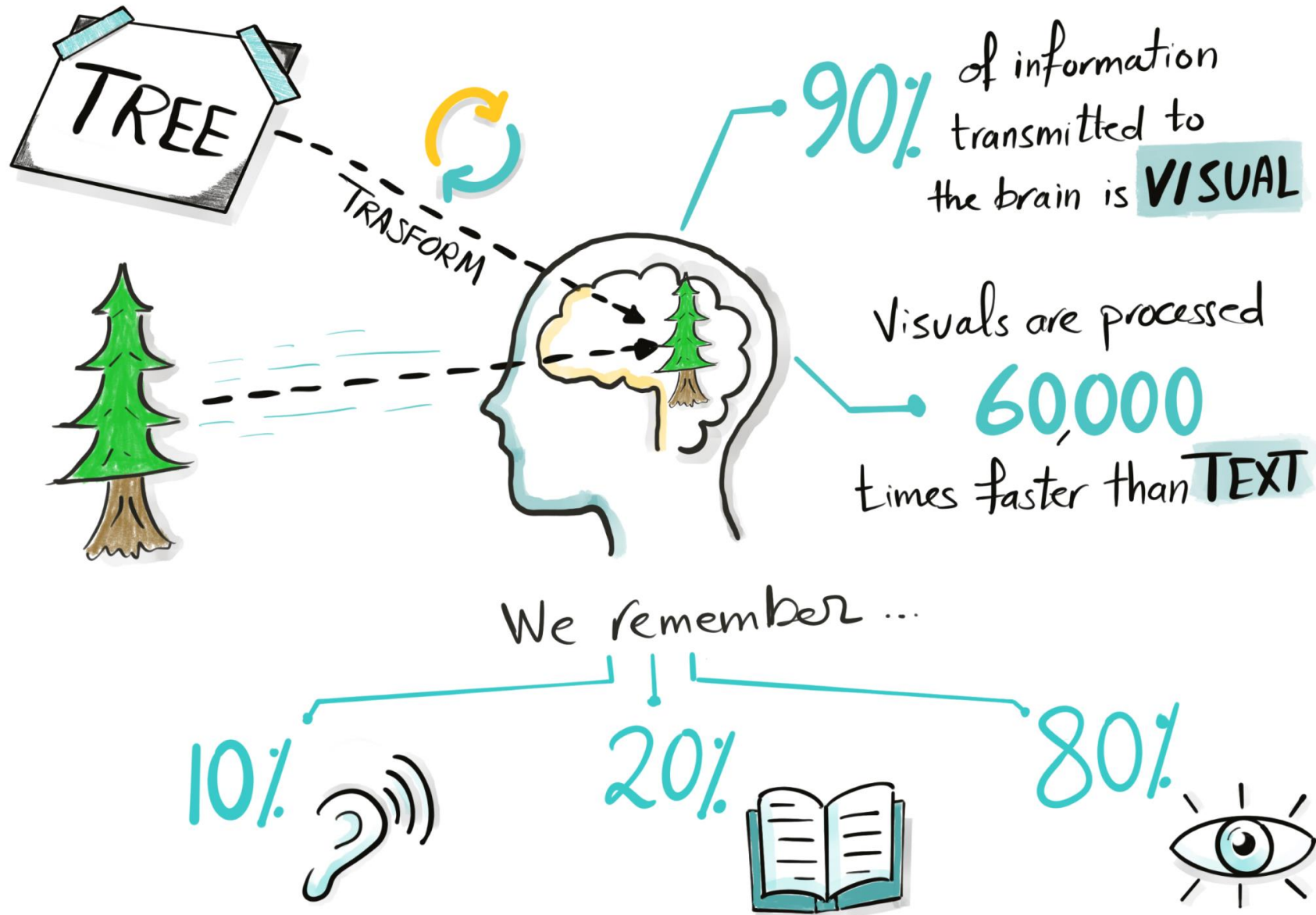




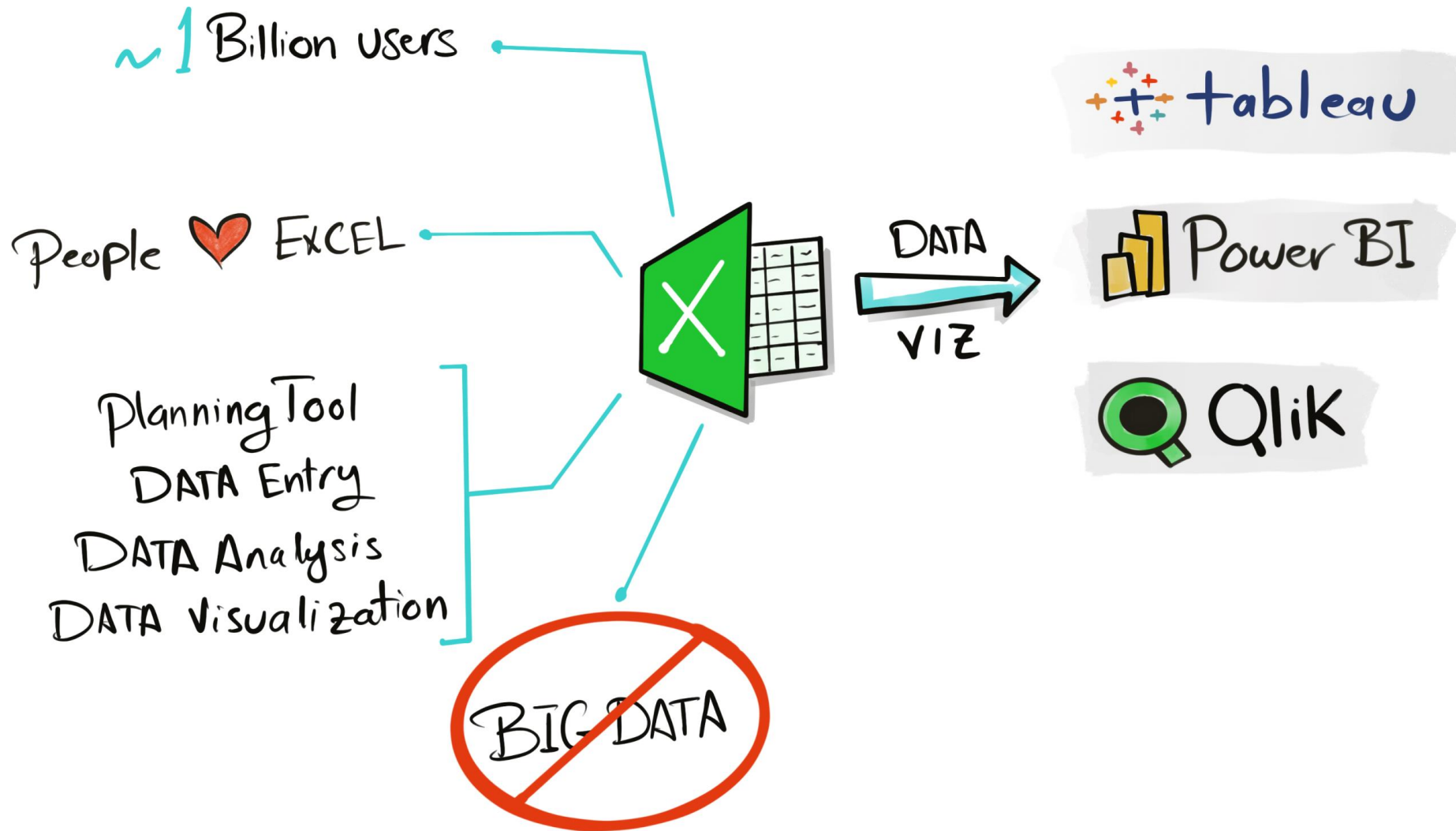
# DATA BUZZWORDS



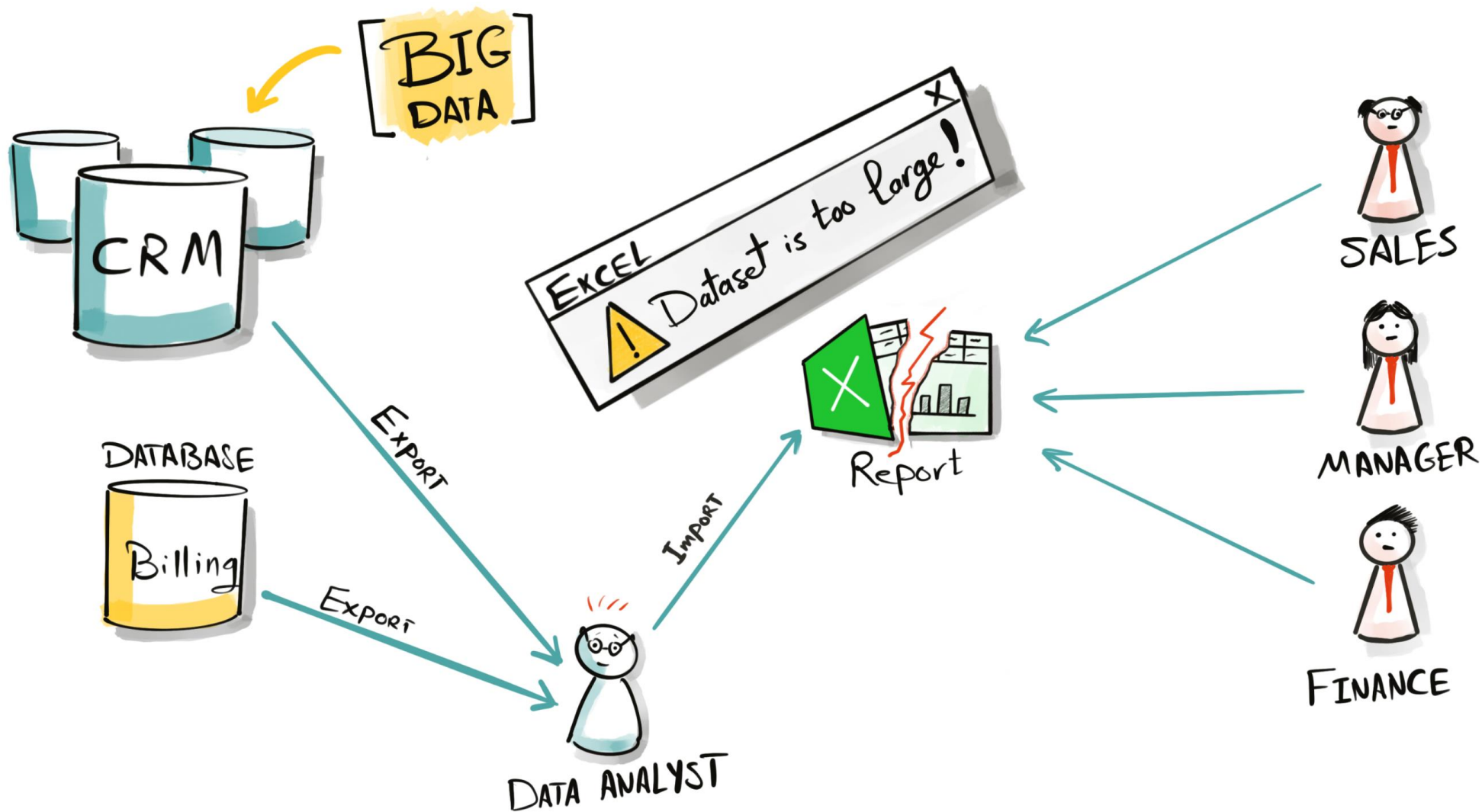


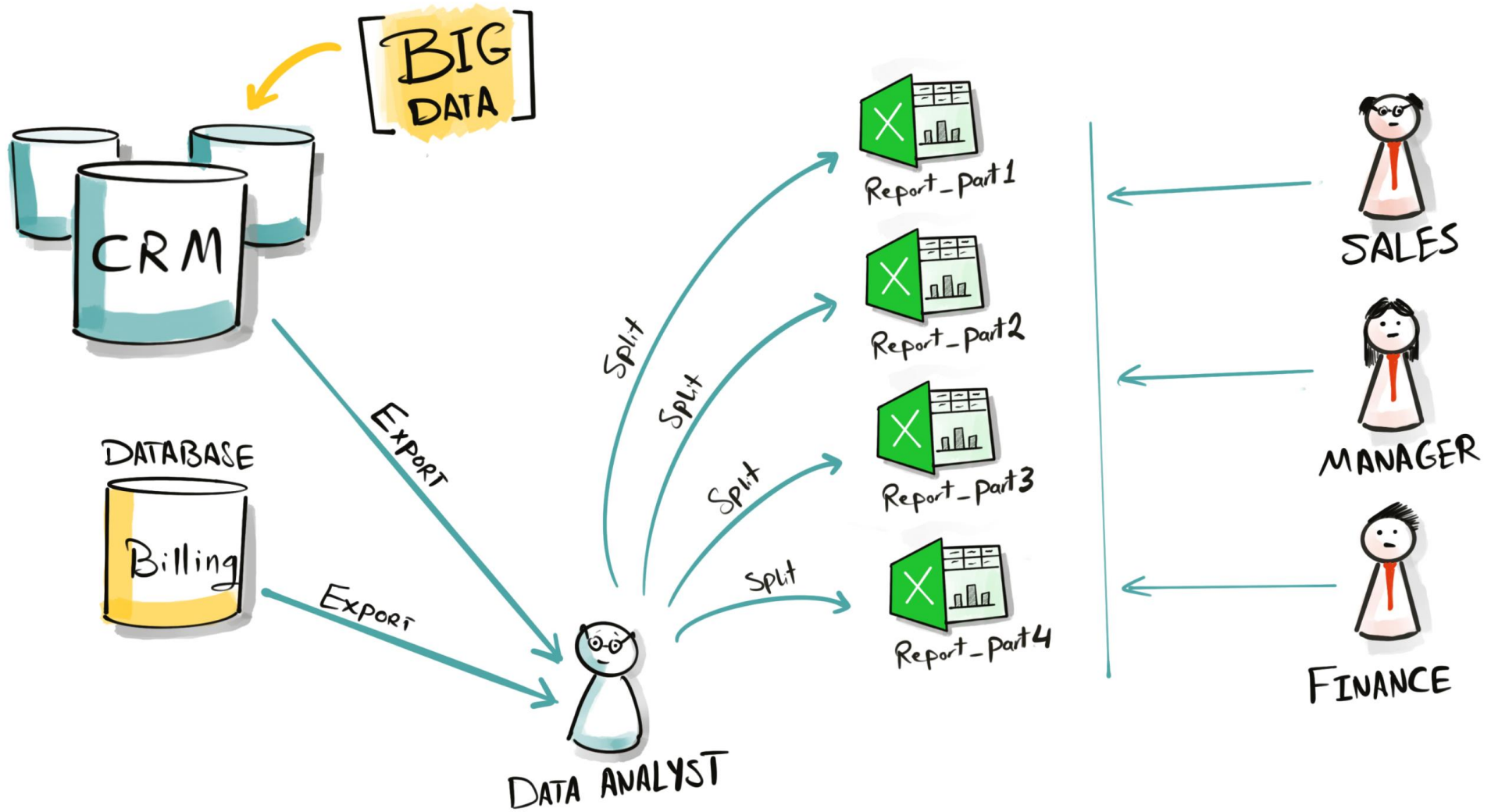


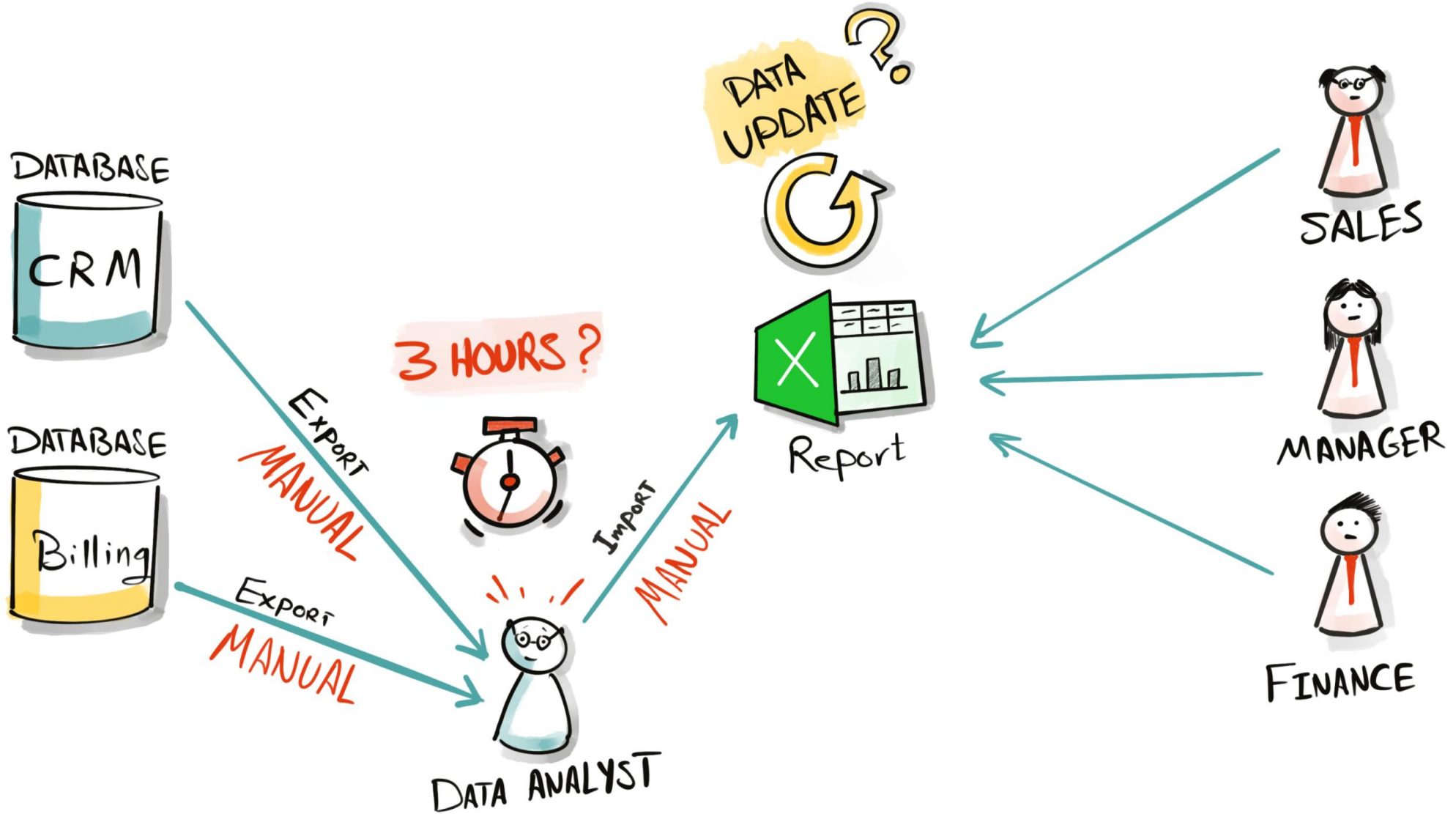


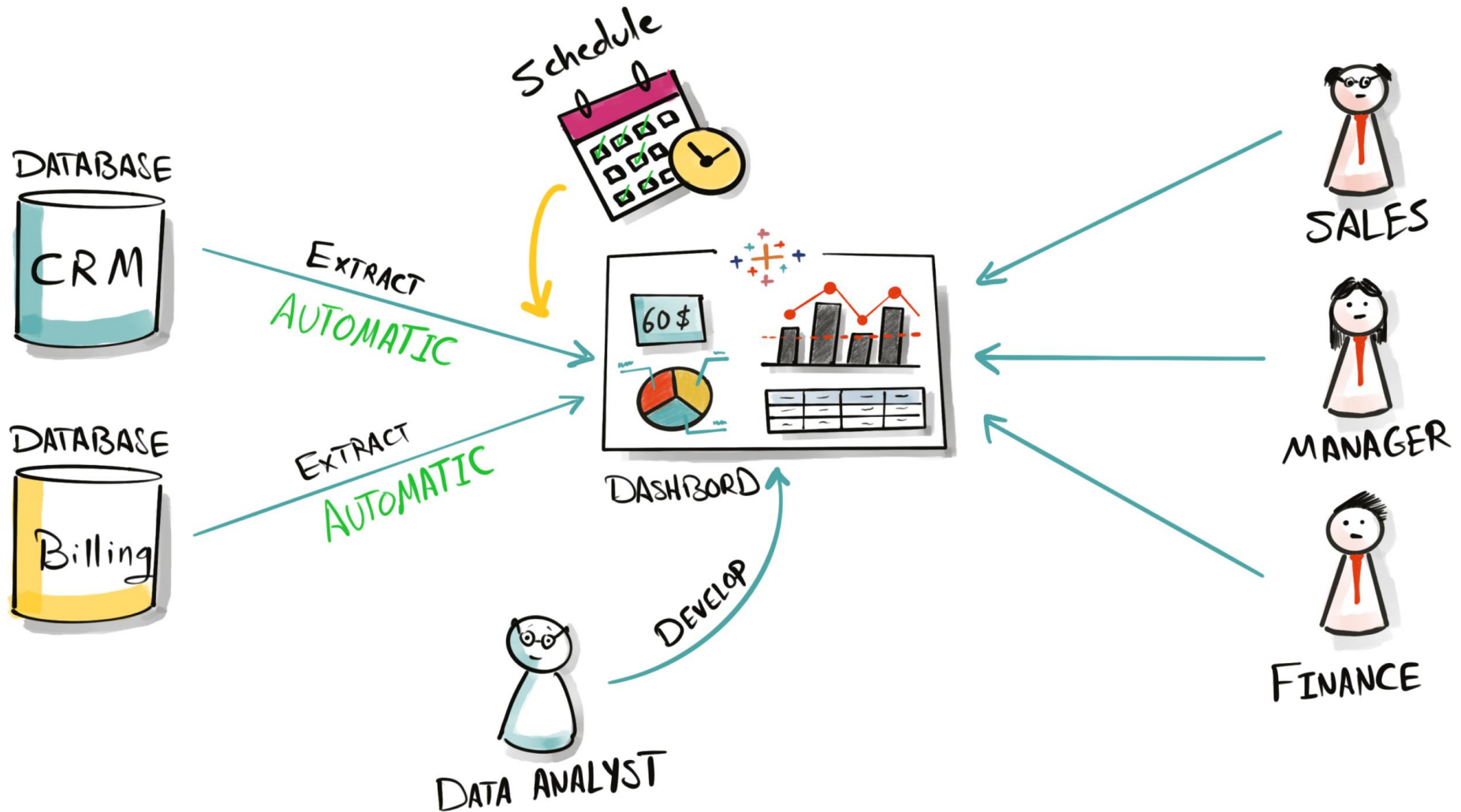


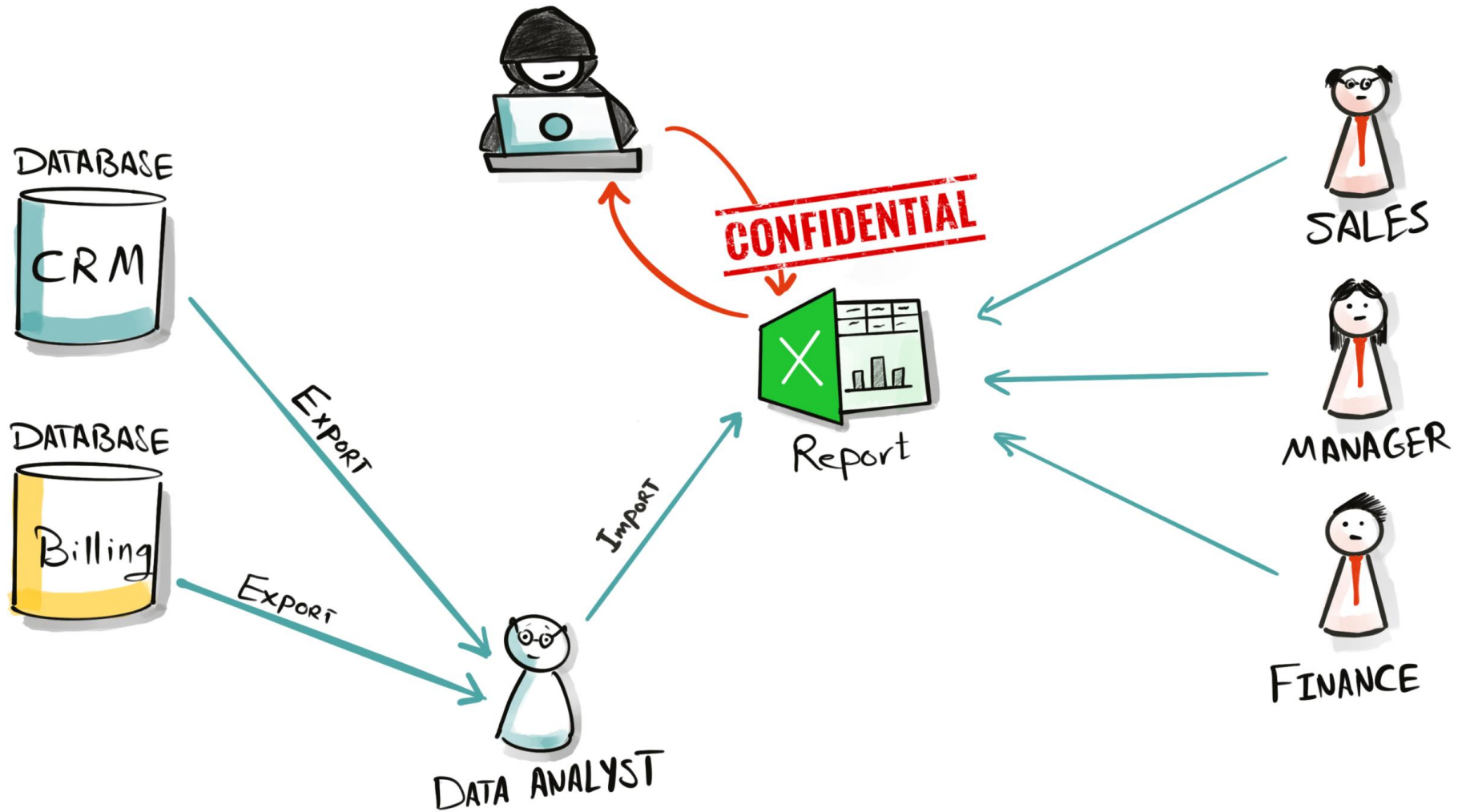


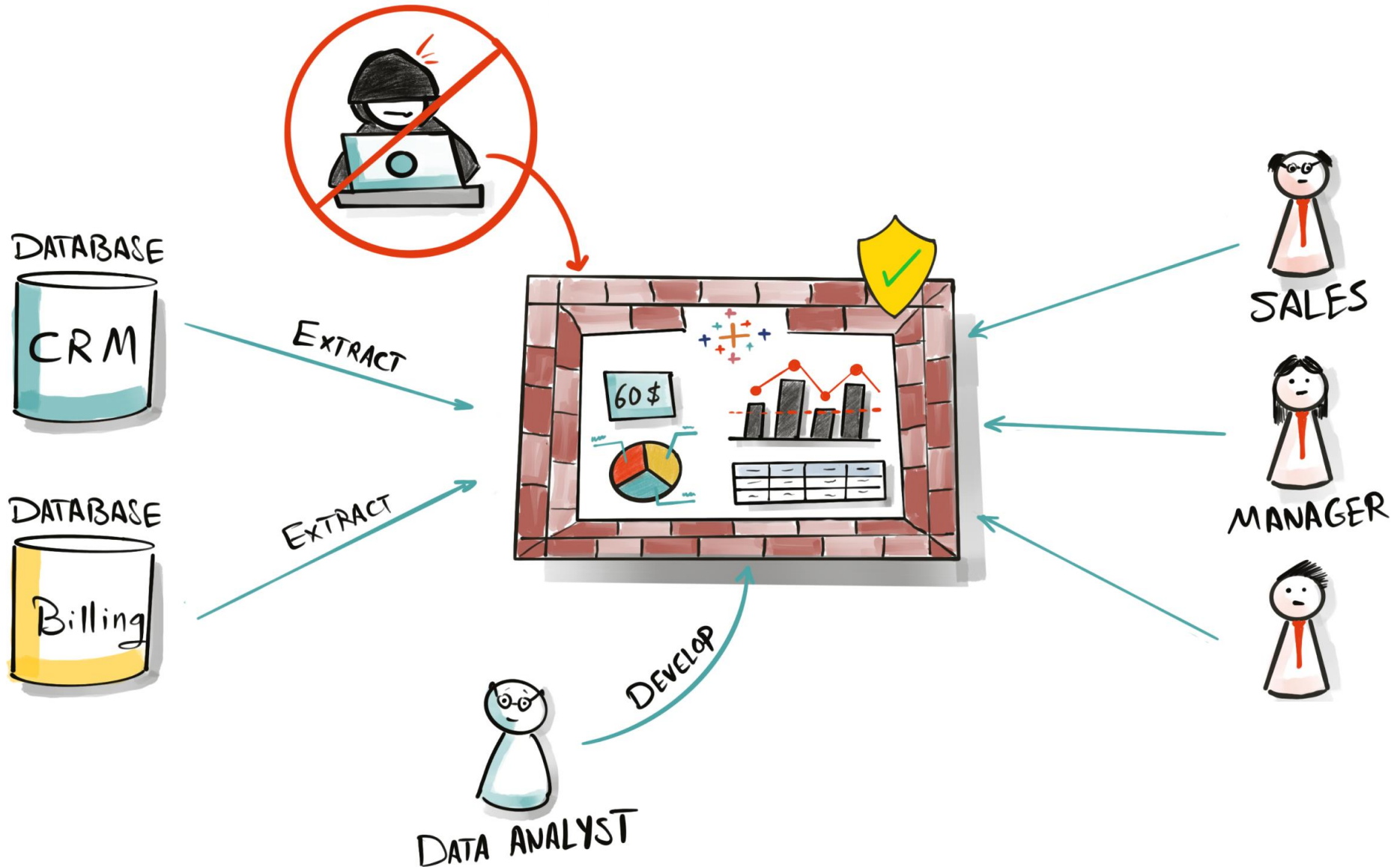












# Row-Level-Security (RLS)

UserName	Country	Sales
Baraa	USA	9000
Baraa	Germany	8000
Maria	USA	6500
John	France	10000
John	USA	7500
Peter	Spain	5900

← All Rows in Sales

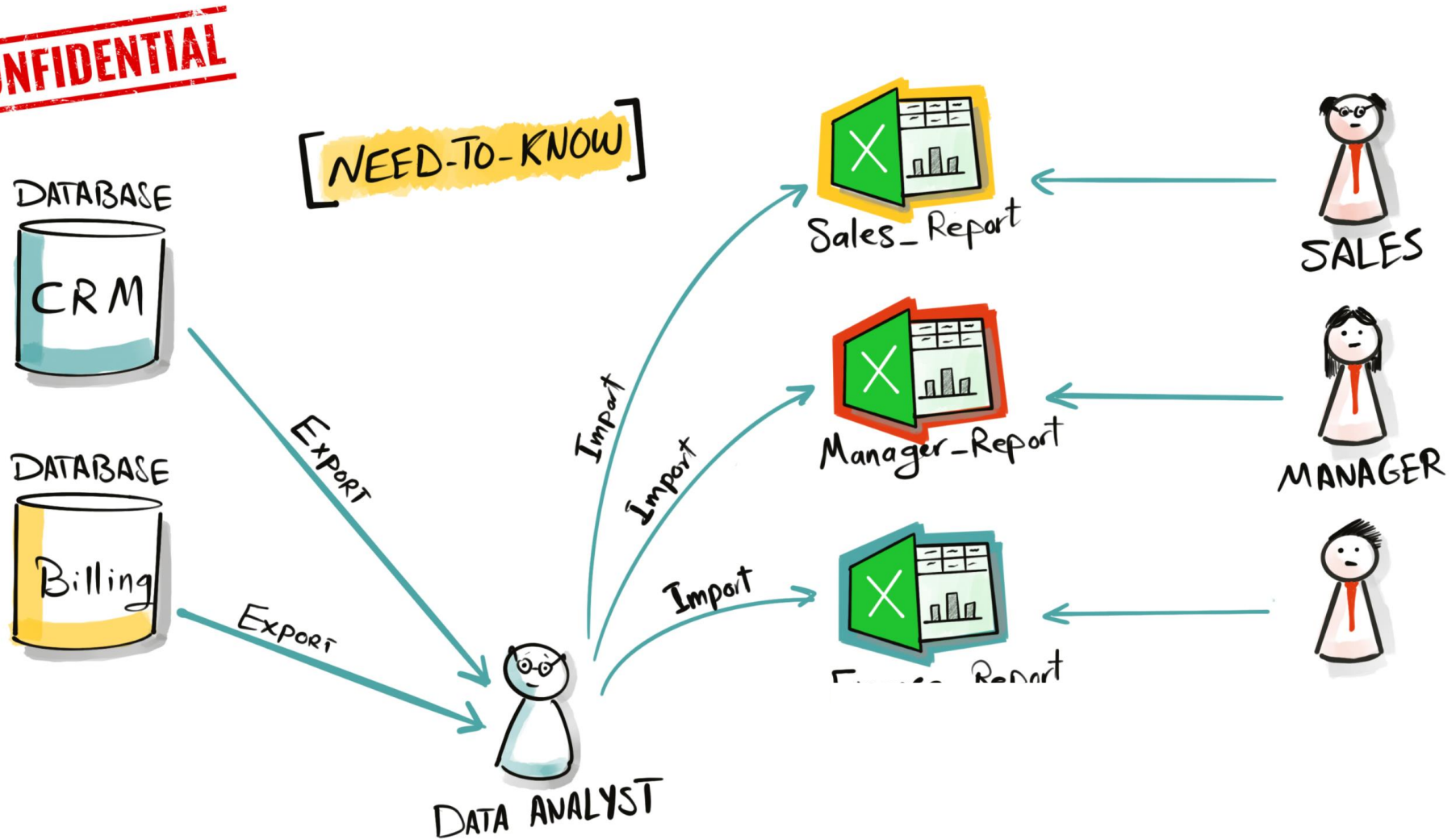
UserName	Country	Sales
Baraa	USA	9000
Baraa	Germany	8000

← Baraa's View

UserName	Country	Sales
John	France	10000
John	USA	7500

← John's View

**CONFIDENTIAL**





**CONFIDENTIAL**



[NEED-TO-KNOW]



EXTRACT

EXTRACT

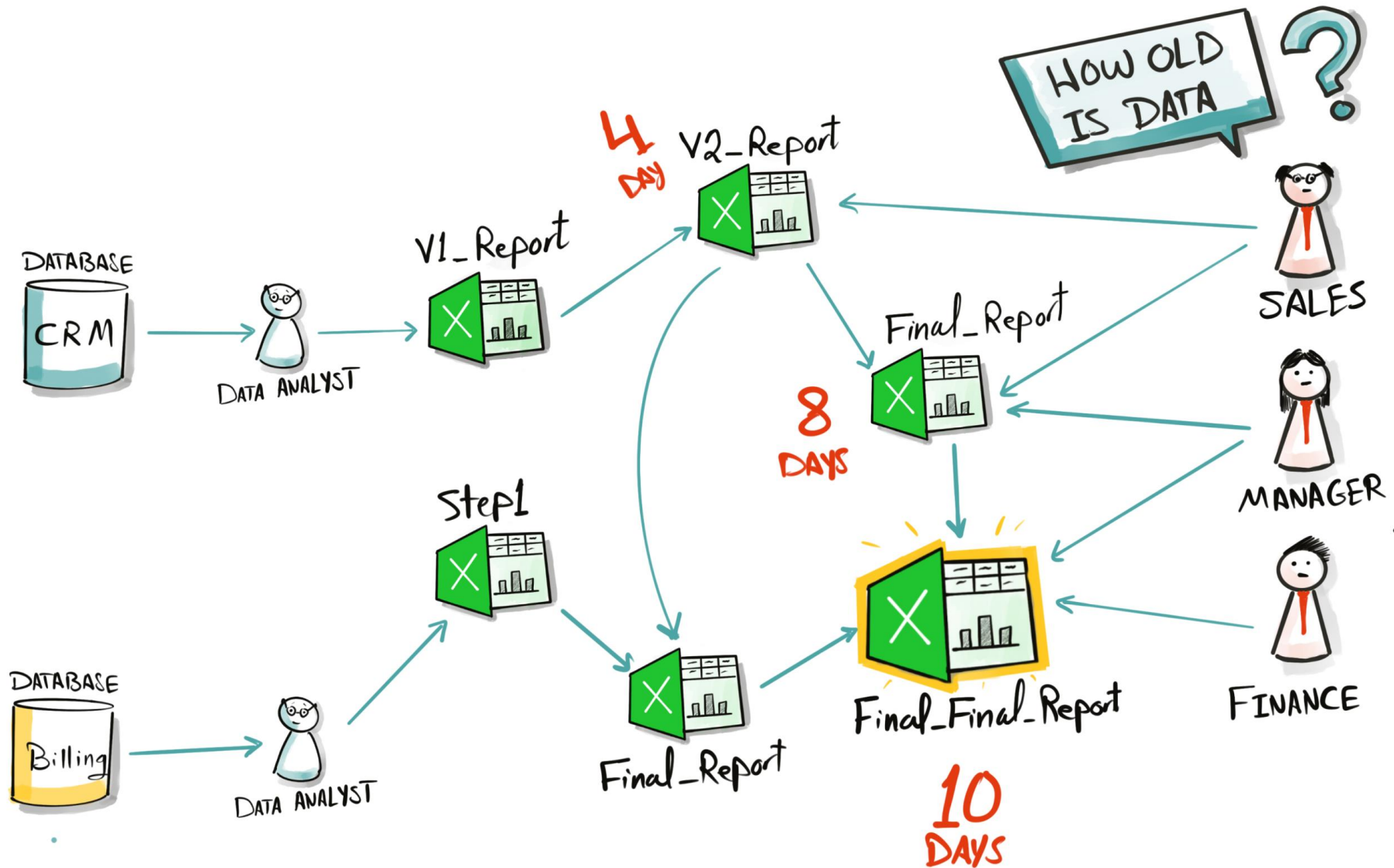


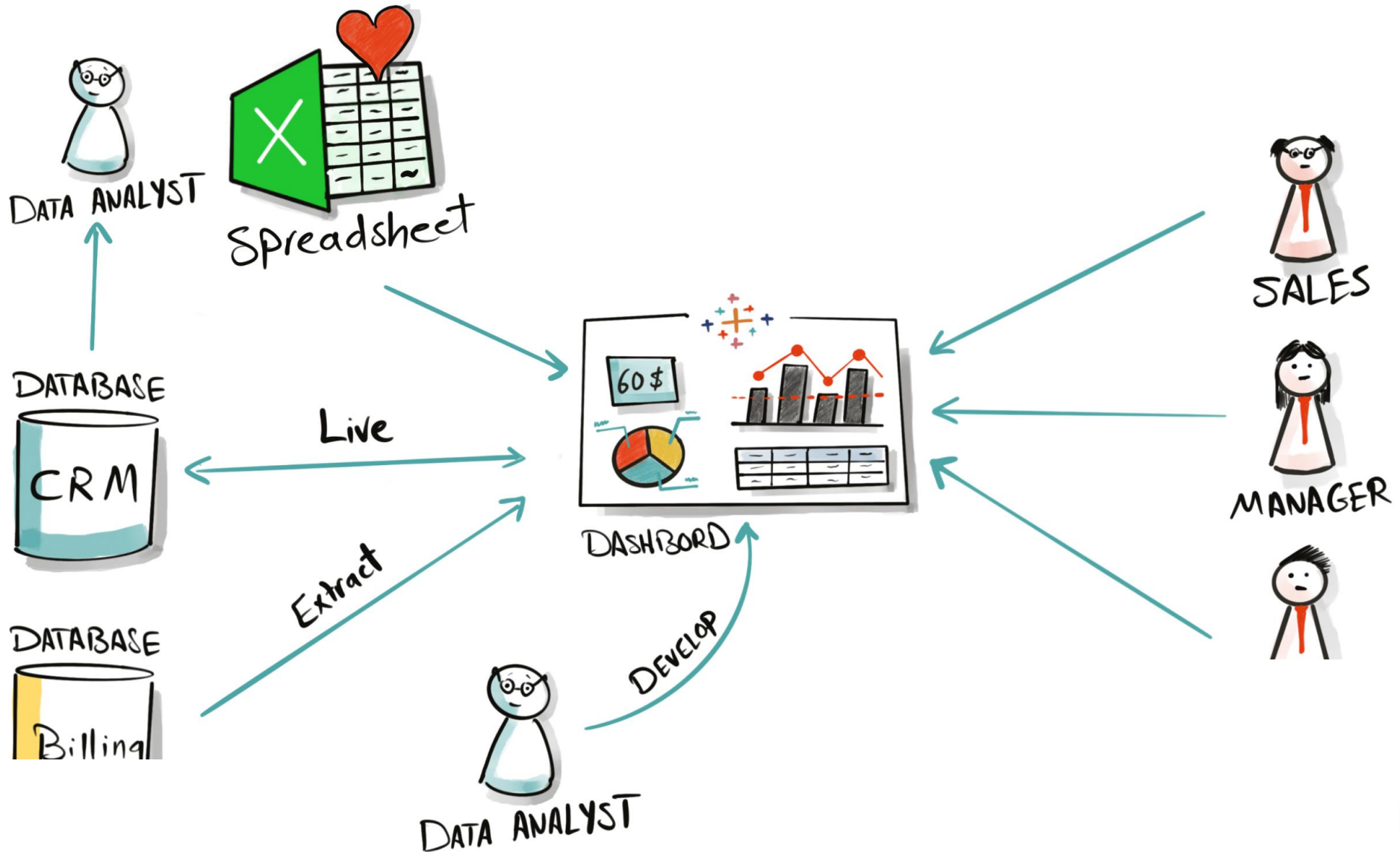
DASHBOARD

DEVELOP

DATA ANALYST







# Benifits of Tableau vs Excel



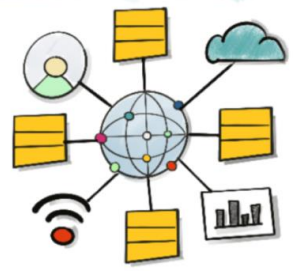
Automation ✓



Security ✓



BIG DATA ✓



Interactive ✓



