

Functional Dependency (FD)

- Used to detect **data redundancies** (want to remove)
- Values in some column set uniquely **decide** values in other column set
- Notation: $X \rightarrow Y$ means values in column set X decide values in column set Y
 - Ex) X : Birth date with year, Y : Age
 $\Rightarrow X \rightarrow Y$
- If X is key, FD is fine
- Do not try finding FDs by just looking at data
 - Data only captures current state of the database