



A 4 dimensional OLAP –

**Department** D in **Year** Y had X number of **employees** costing X dollars in **salary**

Example:

- Department 1 is car parts
- Department 2 is baby stuff
- Department 3 ladies
- Department 4 men
- Department 5 food

Assume we have 1 manager per department

An employee could work in different department with a different manager at a different salary at different times.

|        |       | Manager1 | Manager2 | Manager3 | Manager4 |
|--------|-------|----------|----------|----------|----------|
|        |       | Dept1    | Dept2    | Dept3    | Dept4    |
| Year 1 | Emp 1 | \$30 000 | 0        | 0        | 0        |
|        | Emp 2 | 0        | 0        | 0        | \$45 000 |
|        | Emp3  | 0        | \$50 000 | 0        | 0        |
|        | Emp4  | 0        | 0        | \$35 000 | 0        |

|        |       | Manager2 | Manager3 | Manager4 | Manager5 |
|--------|-------|----------|----------|----------|----------|
|        |       | Dept1    | Dept2    | Dept3    | Dept4    |
| Year 2 | Emp 1 | \$31 000 | 0        | 0        | 0        |
|        | Emp 4 | 0        | 0        | 0        | \$55 000 |
|        | Emp5  | 0        | \$30 000 | 0        | 0        |
|        | Emp6  | 0        | 0        | \$35 000 | 0        |