

# **Types of Information**

### Factual (raw): know-that/where/what/who/when → data

Date	Mileage	Number of Gallons	Oil Change
XXXXX	XXXXXX	XXX	
XXXXX	XXXXXX	XXX	,
XXXXX	XXXXXX		$\sqrt{}$
XXXXX	XXXXXX	XXX	
XXXXX	XXXXXX	XXX	
XXXXX	XXXXXX	XXX	
XXXXX	XXXXXX	XXX	,
XXXXX	XXXXXX		$\sqrt{}$
XXXXX	XXXXXX	XXX	

## Factual (processed): → information

Date	MPG	Oil Change
XXXXX		$\checkmark$
XXXXX	29	
XXXXX	29	
XXXXX	27	
XXXXX	25	
XXXXX	23	
XXXXX	23	,
XXXXX		$\sqrt{}$
XXXXX	30	
XXXXX	29	
XXXXX	28	
XXXXX	26	
XXXXX	24	
XXXXX	23	,
XXXXX		$\sqrt{}$
XXXXX	29	
XXXXX	29	
XXXXX	28	
XXXXX	25	
XXXXX	24	
XXXXX	23	

#### Relational: know-why **>** knowledge

Oil change correlates with fuel efficiency

Oil change <u>causes</u> fuel efficiency

Oil Change

Fuel Efficiency

Why did fuel efficiency improve in certain periods? Because of oil change at the beginning of such periods.

#### Procedural: know-how → instruction

"I would like to *know how* to improve the fuel efficiency of my car." Answer: change your oil regularly and frequently!

#### Explanatory: why of know-why **\rightarrow** understanding

A year later: "oil change has not produced ANY improvement in my fuel efficiency." WHY?!

