BOTTOM UP FOR HIGH TIME IT IS

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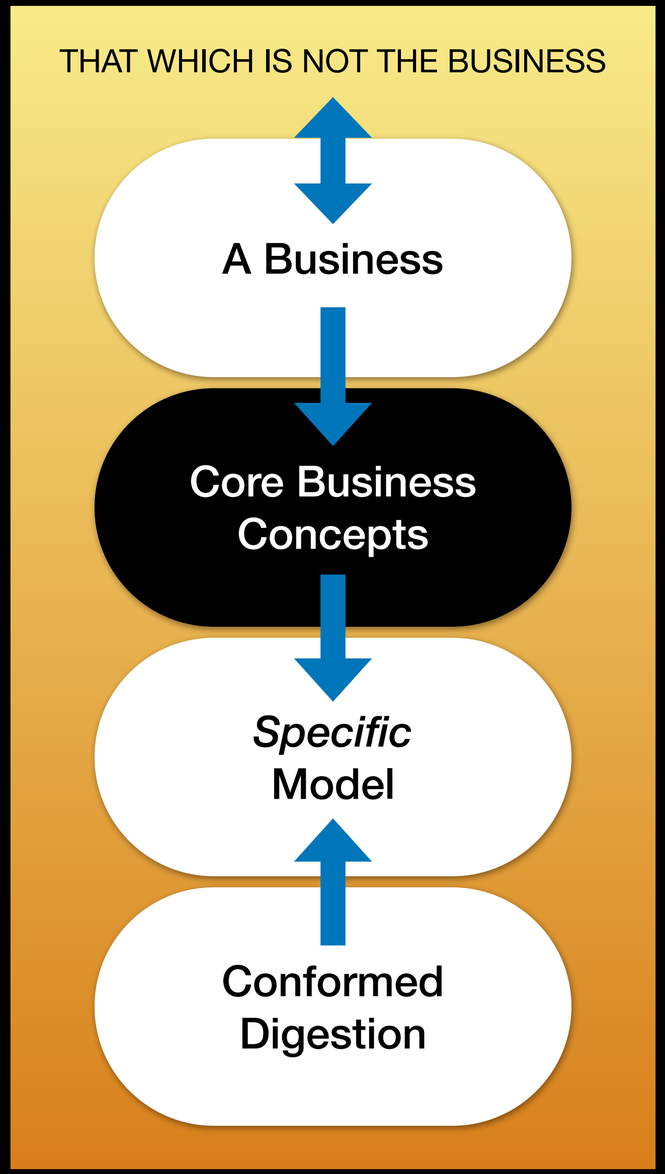
ANCHOR™

Ensemble Modeling


This looks strangely familiar.
MARTIN


THAT WHICH IS NOT THE BUSINESS
A Business
Core Business Concepts
Specific Model
Conformed Digestion

The keyword here is being inquisitive.

THAT WHICH IS NOT THE BUSINESS

A Business

Core Business Concepts

Specific Model

Conformed Digestion

–What types of things do you work with in your business?
–How do these types of things interact?
–How do you know that a given thing is of a certain type?

The resulting model will contain constructs with familiar names.

CUSTOMER
INVOICE
PAYMENT

THAT WHICH IS NOT THE BUSINESS

A Business

Core Business Concepts

Specific Model

Conformed Digestion

Putting things into this model will be like child's play.

Industry Models

The keyword here is being authoritative.
I suppose there is some comfort in that, for some...

THAT WHICH IS NOT THE BUSINESS

A Business

Industry Model

Generic Model

Conformed Digestion

–We already know what types of things business like yours work with.
–We also know how they interact.
–All your things belong to one of our types, of course.

The resulting model will contain constructs with less familiar names.

PARTY
INSTRUMENT
TRANSACTION

THAT WHICH IS NOT THE BUSINESS

A Business

Industry Model

Generic Model

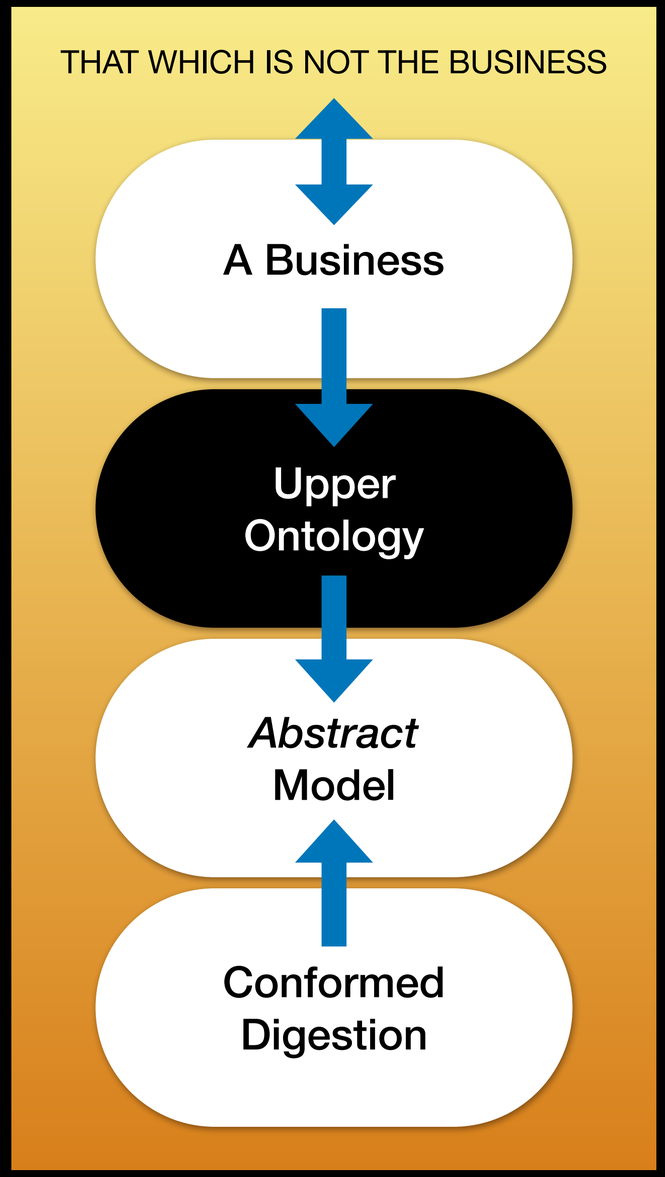
Conformed Digestion

I can still do this. Just give me a Who's Who and a What's What! And wait.. maybe a When's When and a Why's Why too.

Upper Ontologies

The keyword here is being scientific. At least scientists tend to have a shred of humility.

THAT WHICH IS NOT THE BUSINESS



–We know almost everything, ergo your business too.
–Every possible interaction you can think of is likely covered for.
–If you can figure out what your things are, then we have types for them, or are about to add them.

The resulting model will contain constructs with really unfamiliar names.

PERSISTANT PRESENTIAL COINCIDENCE

THAT WHICH IS NOT THE BUSINESS

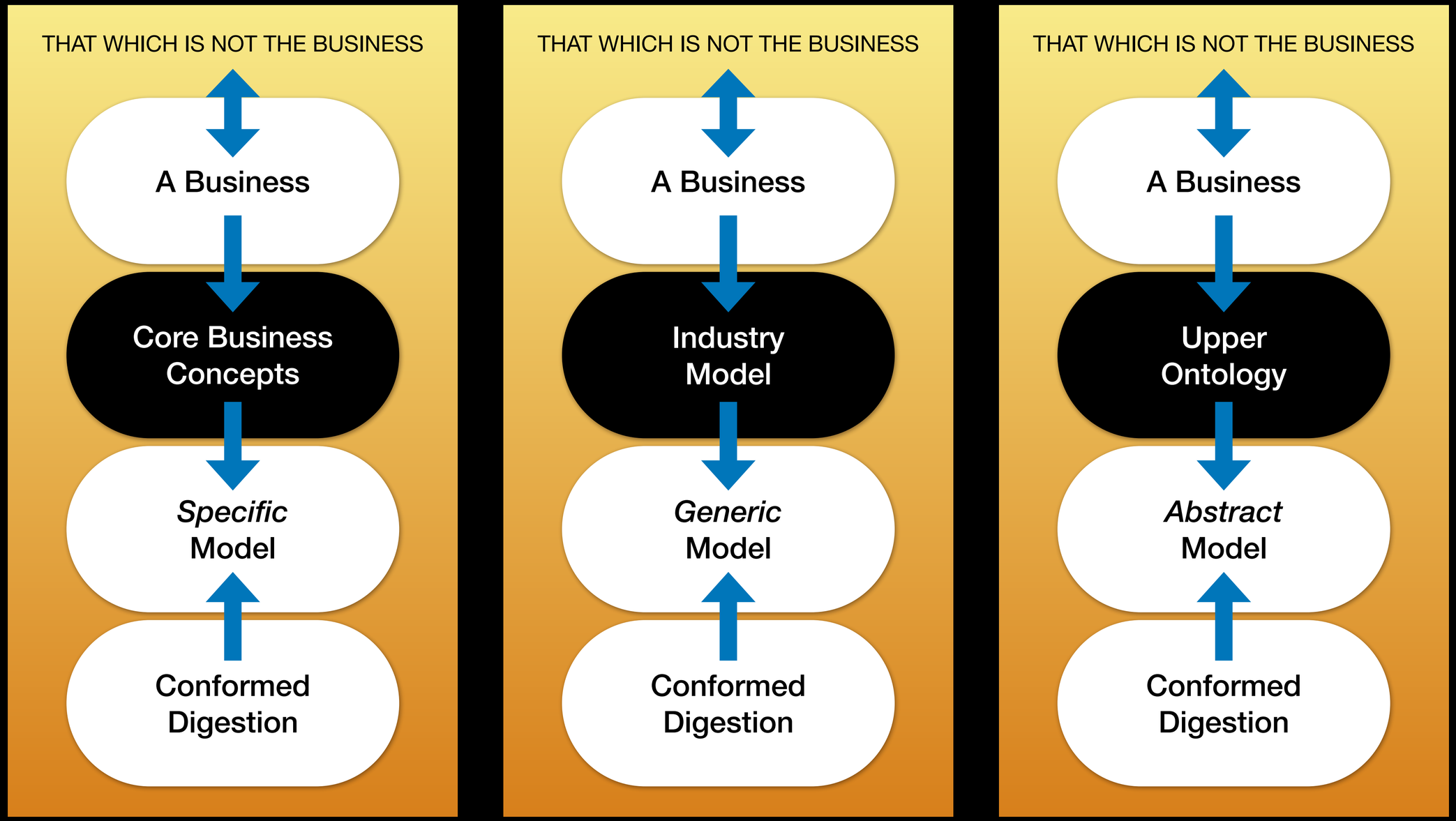
A Business

Upper Ontology

Abstract Model

Conformed Digestion

How on earth am I going to get data into that? Even if I learn this, nobody else will understand it...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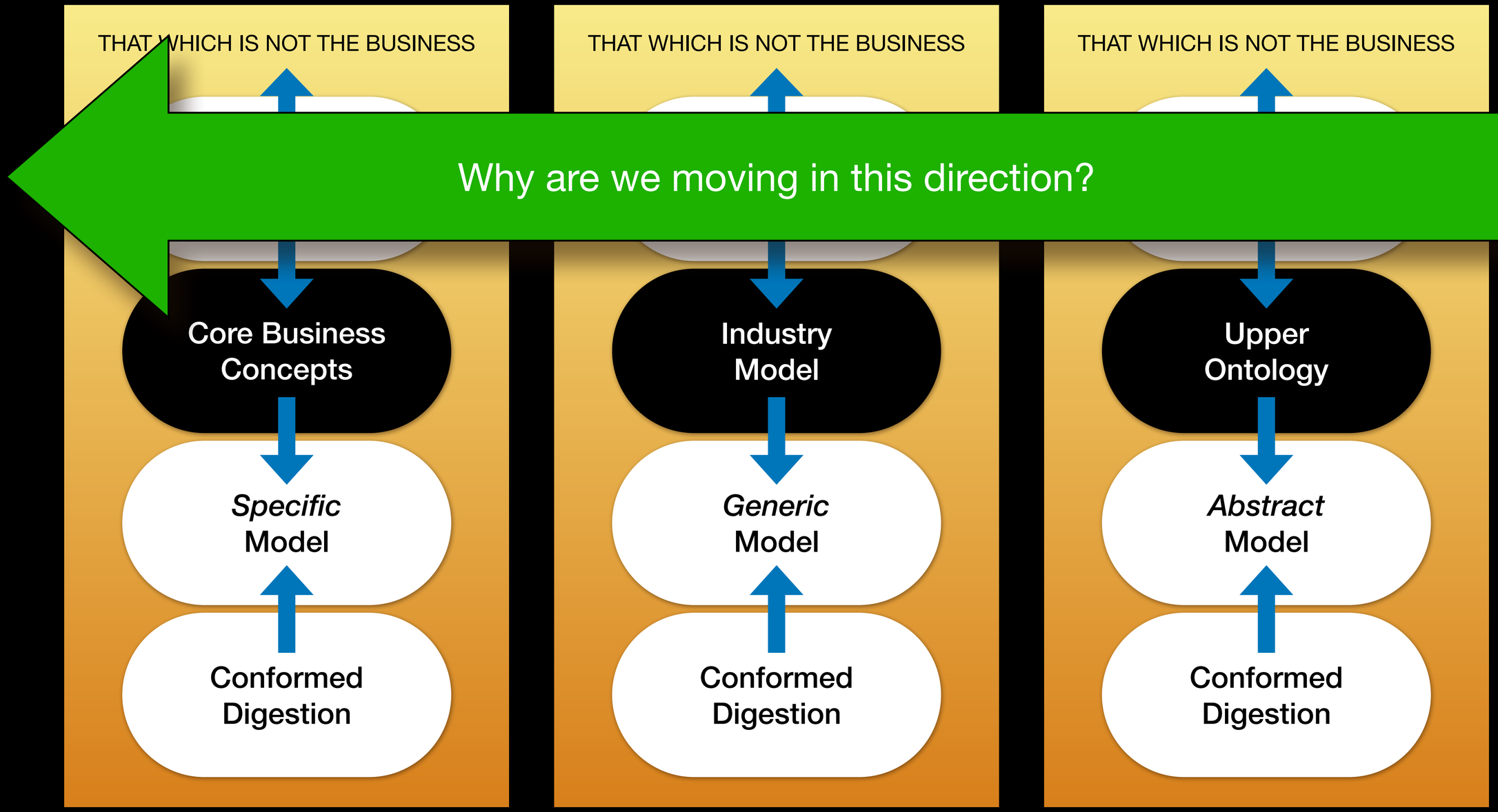
THAT WHICH IS NOT THE BUSINESS
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Why are we moving in this direction?
Core Business Concepts
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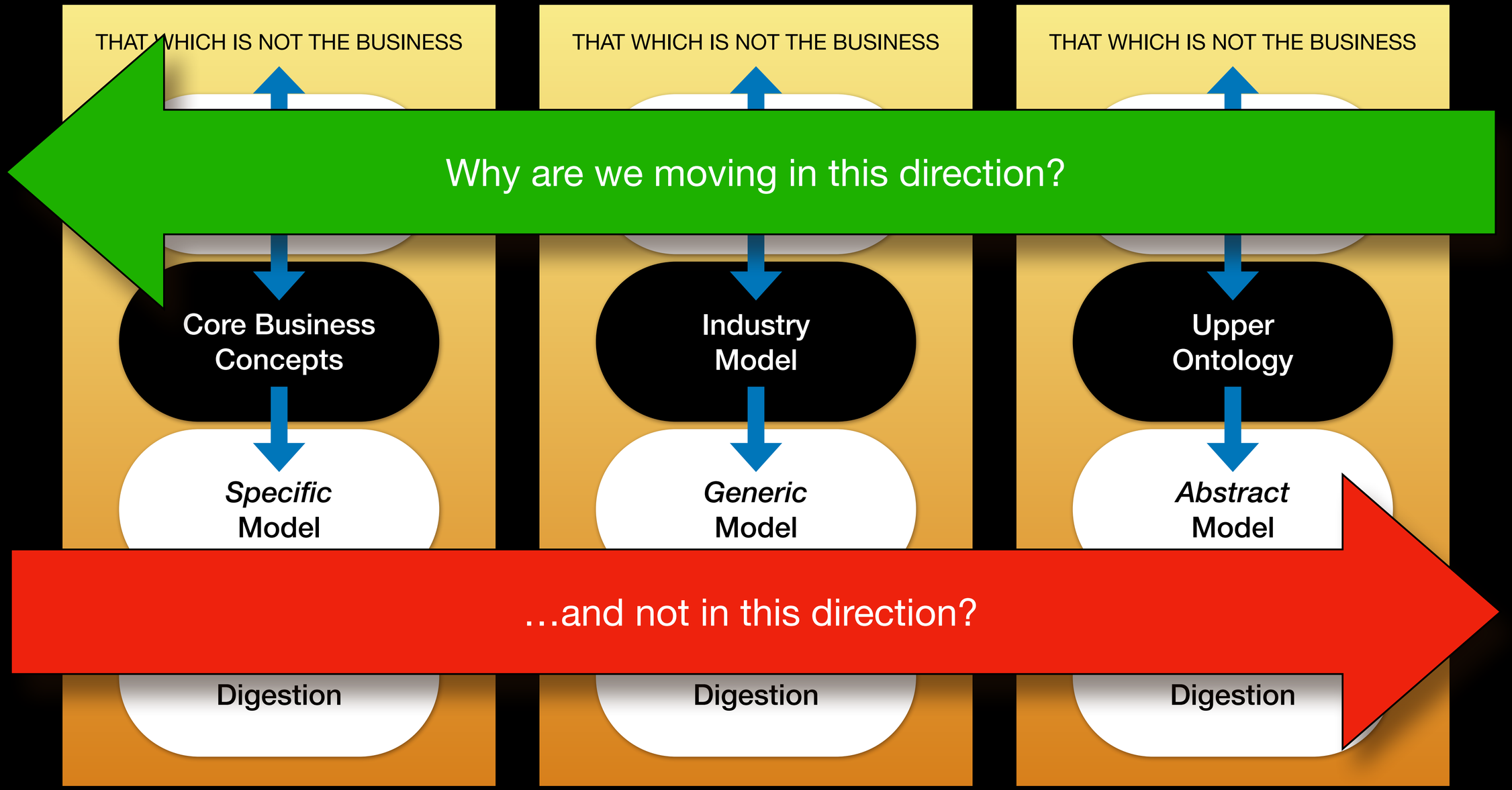
THAT WHICH IS NOT THE BUSINESS
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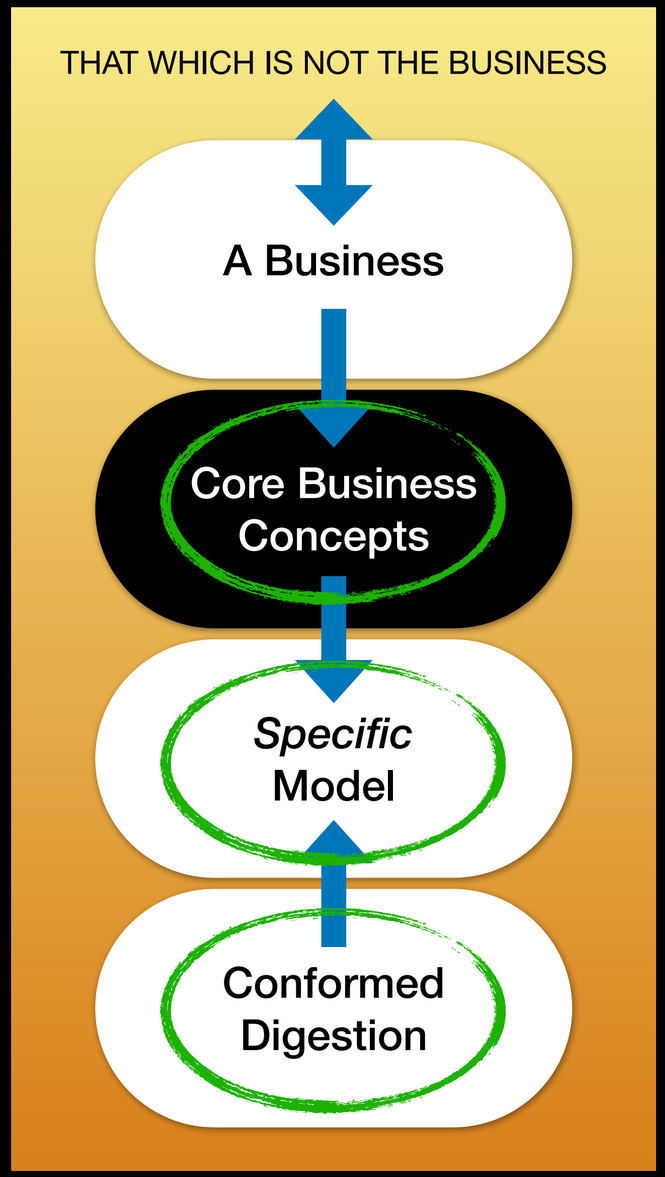
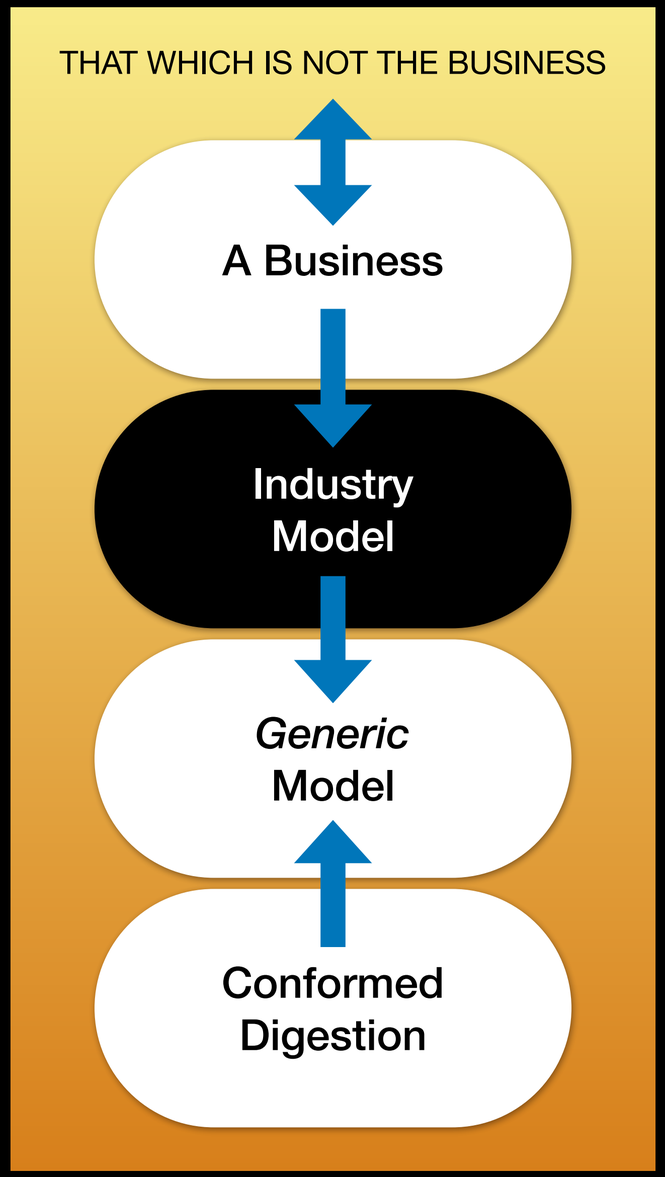
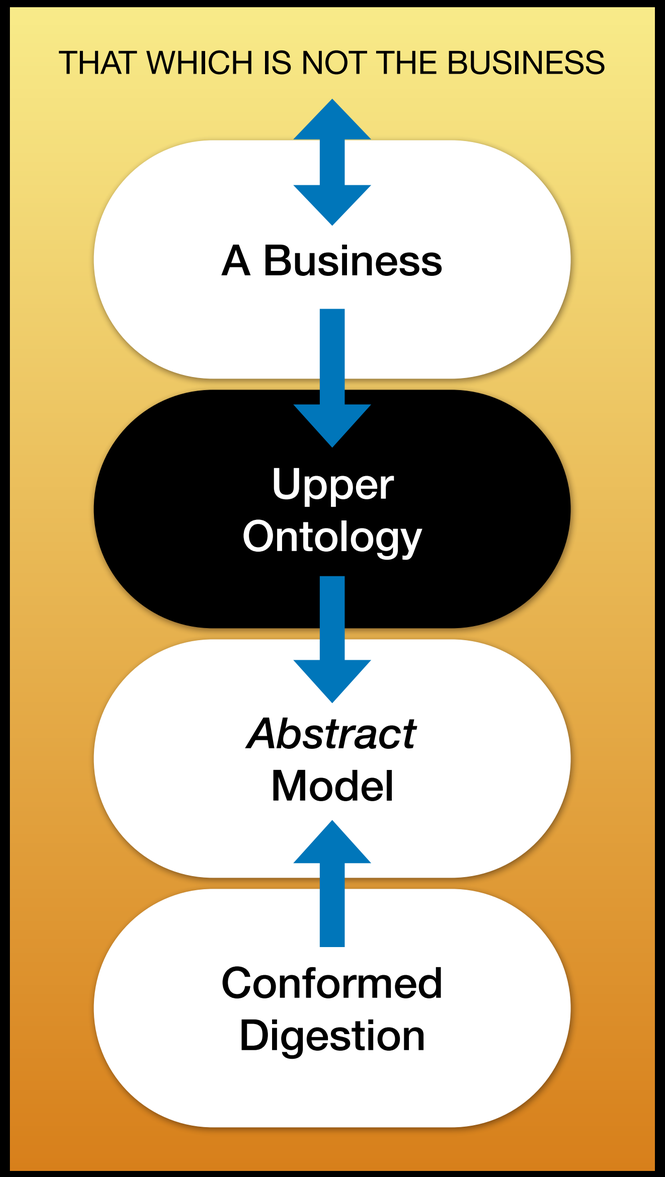
THAT WHICH IS NOT THE BUSINESS
Why are we moving in this direction?
Core Business Concepts
Industry Model
Upper Ontology
Specific Model
Generic Model
Abstract Model
…and not in this direction?
Digestion
Digestion
Digestion

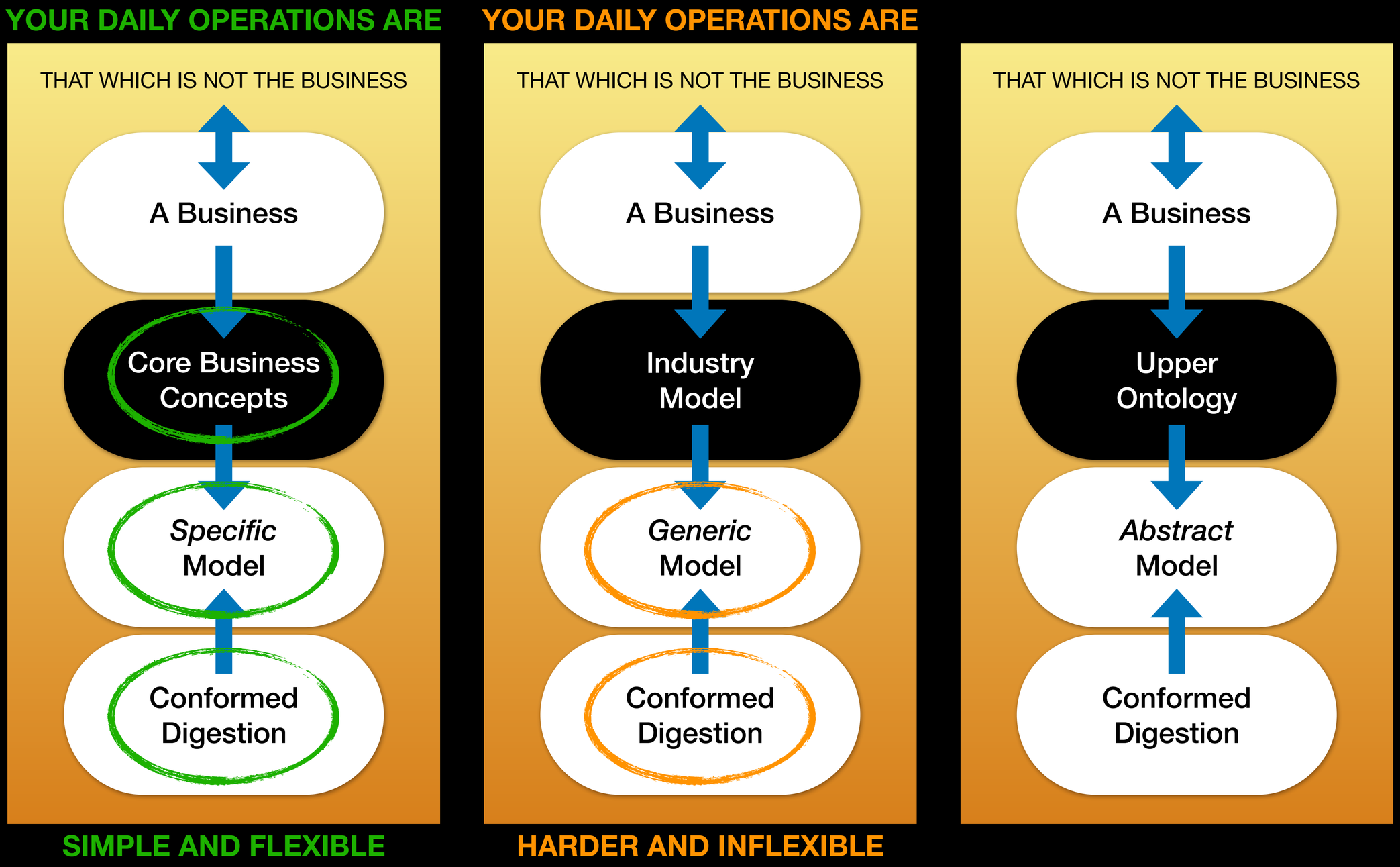
YOUR DAILY OPERATIONS ARE







SIMPLE AND FLEXIBLE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HARDER AND INFLEXIBLE
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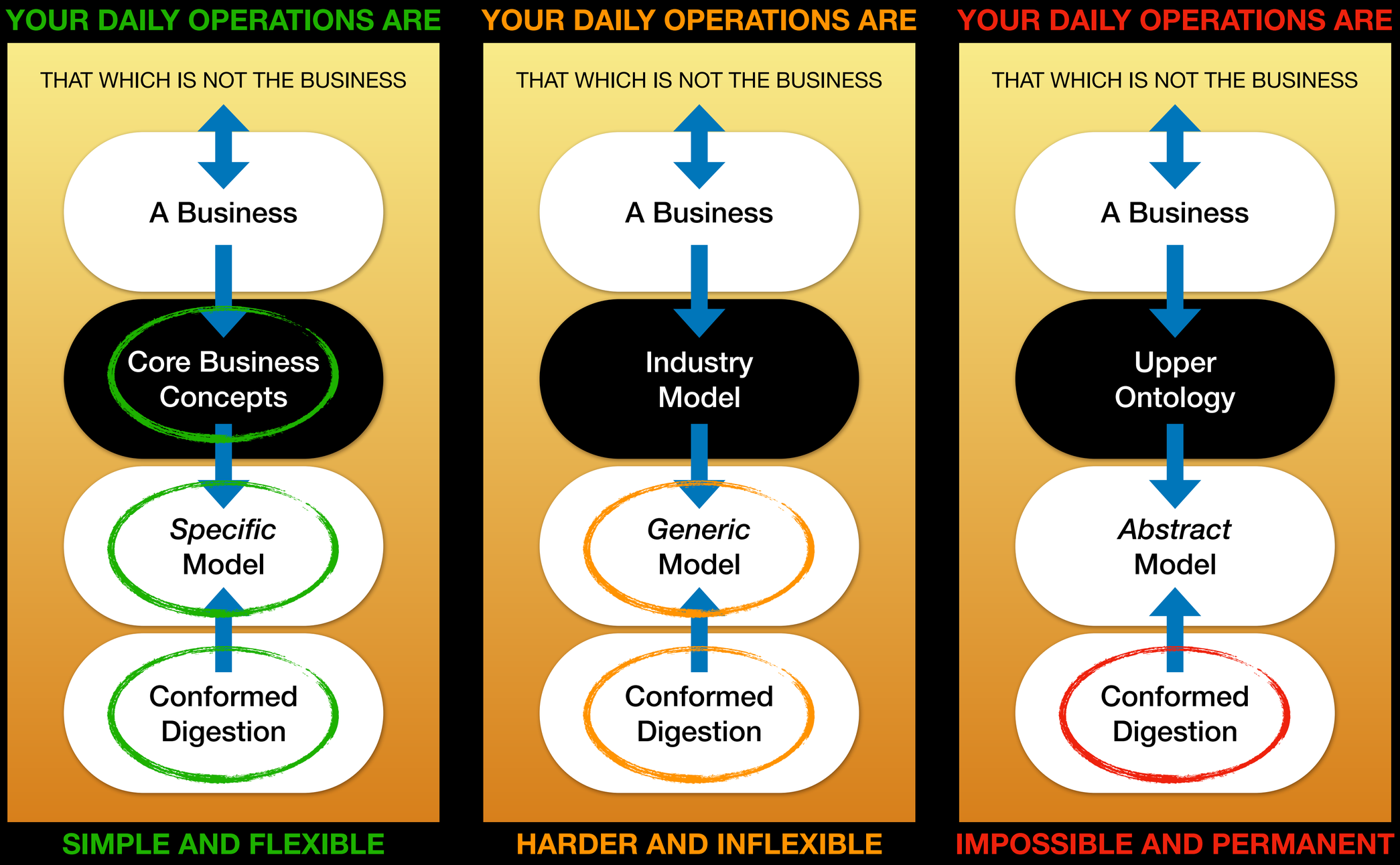
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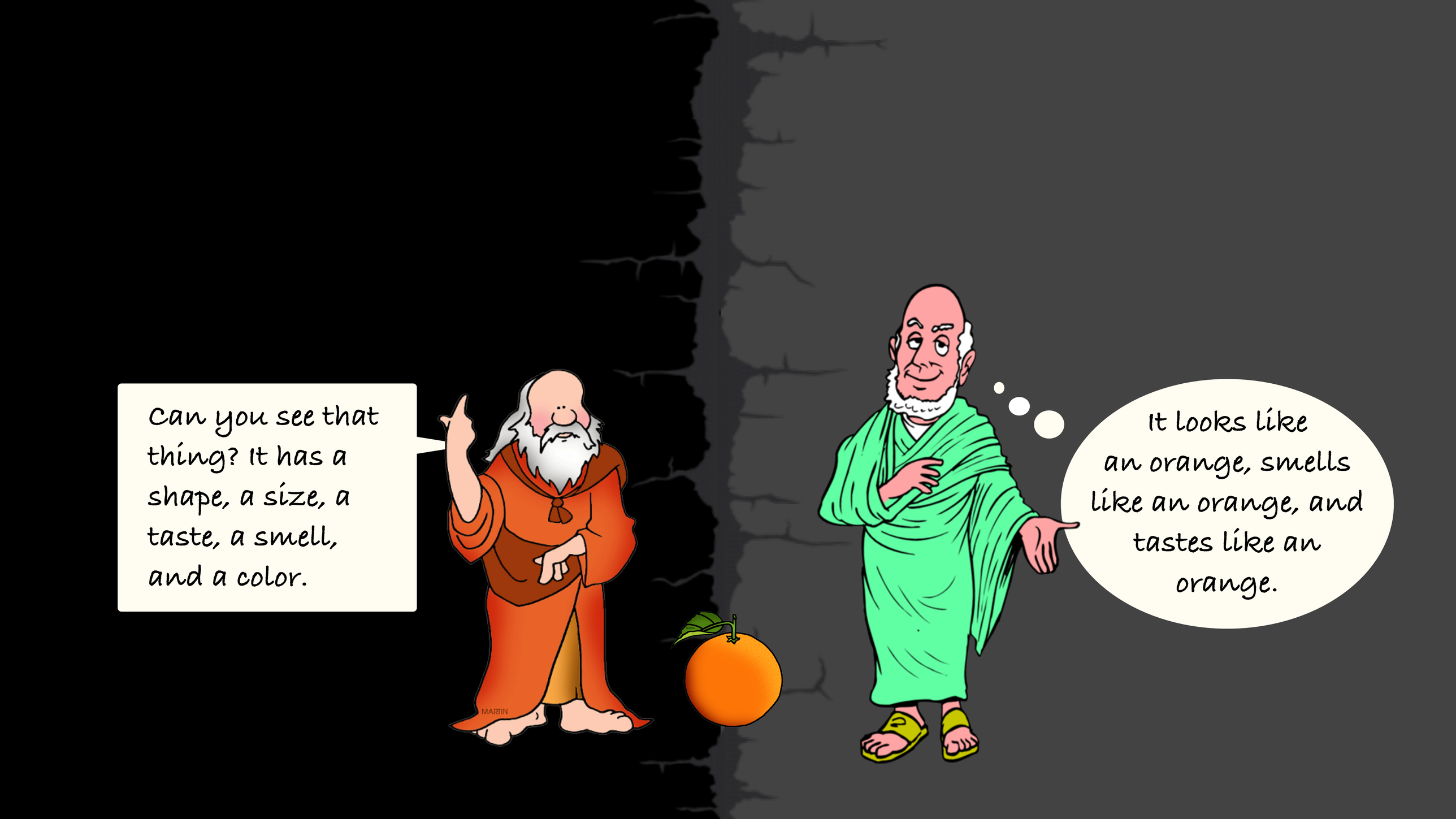
Conformed Digestion
IMPOSSIBLE AND PERMANENT

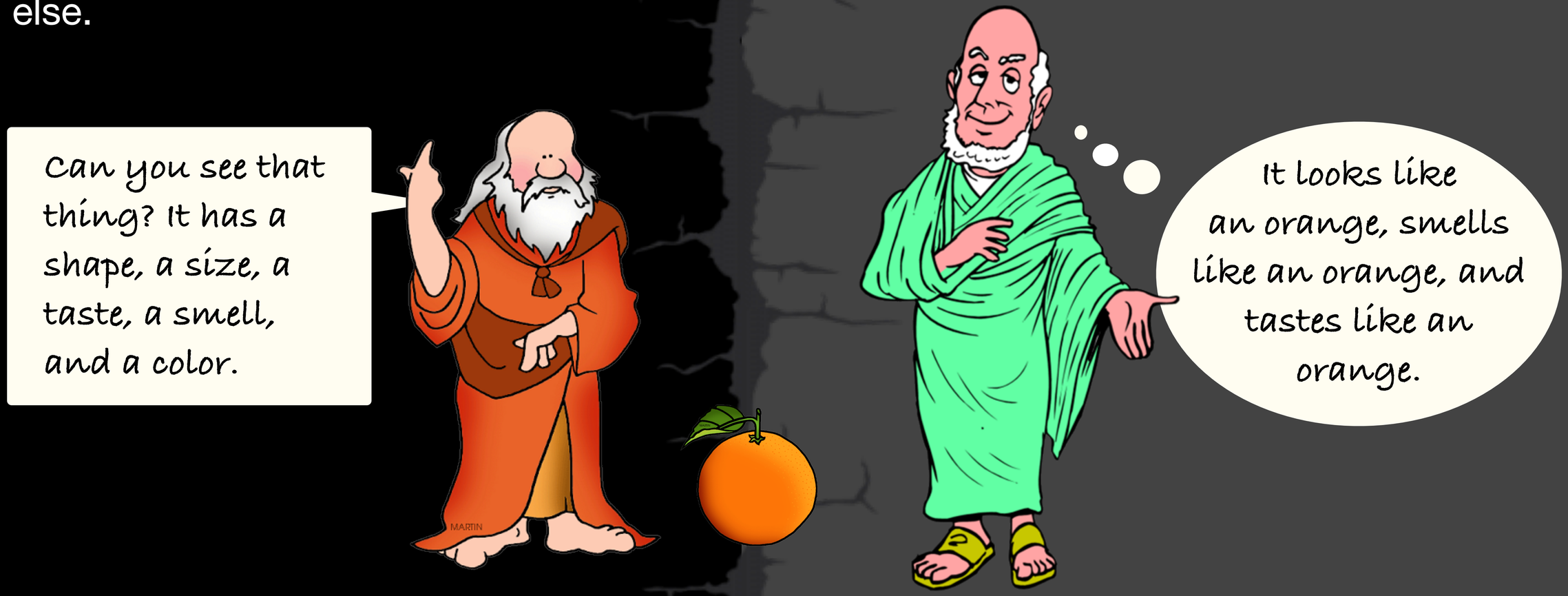
“The closer to the *objective* and *universal* **top** we come, the farther away from the *subjective* and *local* **reality** of the business we get.”

– A useful insight for data modellers


Can you see that thing? It has a shape, a size, a taste, a smell, and a color.
It looks like an orange, smells like an orange, and tastes like an orange.

IDENTIFICATION

It is sufficiently different to be distinguishable from everything else.



IDENTIFICATION

It is sufficiently different to be distinguishable from everything else.

QUALIFICATION

It has some properties I recognise.

IDENTIFICATION

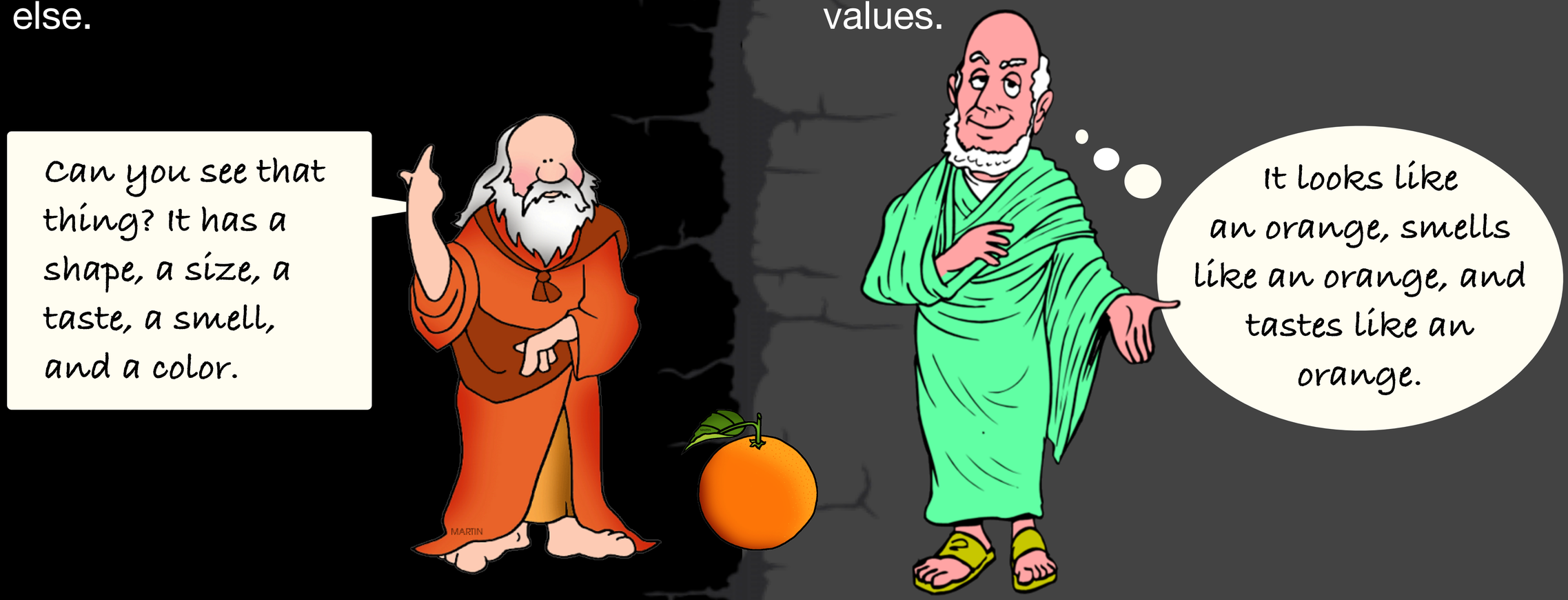
It is sufficiently different to be distinguishable from everything else.

QUALIFICATION

It has some properties I recognise.

EVALUATION

The properties can be evaluated to yield some approximate values.



IDENTIFICATION

It is sufficiently different to be distinguishable from everything else.

QUALIFICATION

It has some properties I recognise.

EVALUATION

The properties can be evaluated to yield some approximate values.

CLASSIFICATION

I recognise this set of properties having these distinct values as something I have a name for.

IDENTIFICATION

It is sufficiently different to be distinguishable from everything else.

QUALIFICATION

It has some properties I recognise.

EVALUATION

The properties can be evaluated to yield some approximate values.

CLASSIFICATION

I recognise this set of properties having these distinct values as something I have a name for.

Can you see that thing? It has a shape, a size, a taste, a smell, and a color.

It looks like an orange, smells like an orange, and tastes like an orange.

OBJECTIVE
UNIVERSAL

IDENTIFICATION

It is sufficiently different to be distinguishable from everything else.

QUALIFICATION

It has some properties I recognise.

EVALUATION

The properties can be evaluated to yield some approximate values.

CLASSIFICATION

I recognise this set of properties having these distinct values as something I have a name for.

Can you see that thing? It has a shape, a size, a taste, a smell, and a color.

It looks like an orange, smells like an orange, and tastes like an orange.

OBJECTIVE
UNIVERSAL

SUBJECTIVE
LOCAL

a.k.a. entities, concepts, forms, kinds

"In *transitional modeling* **classes** are not first class citizens, they are **ephemeral** constructs for which there may be some degree of **consensus**."

– An unusual thought for data modellers

shelf life

smell

price

size

EAN code

color

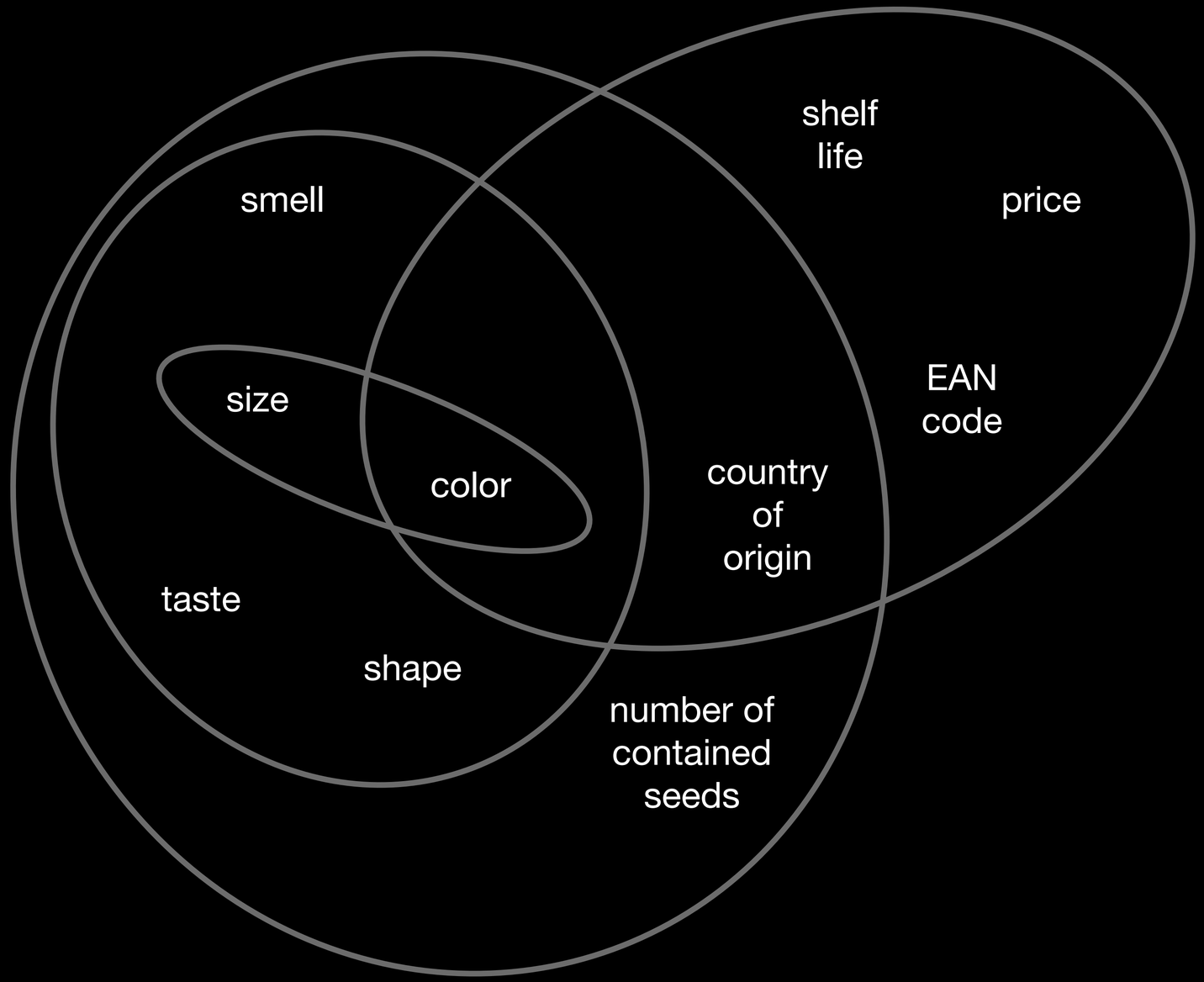
country of origin

taste

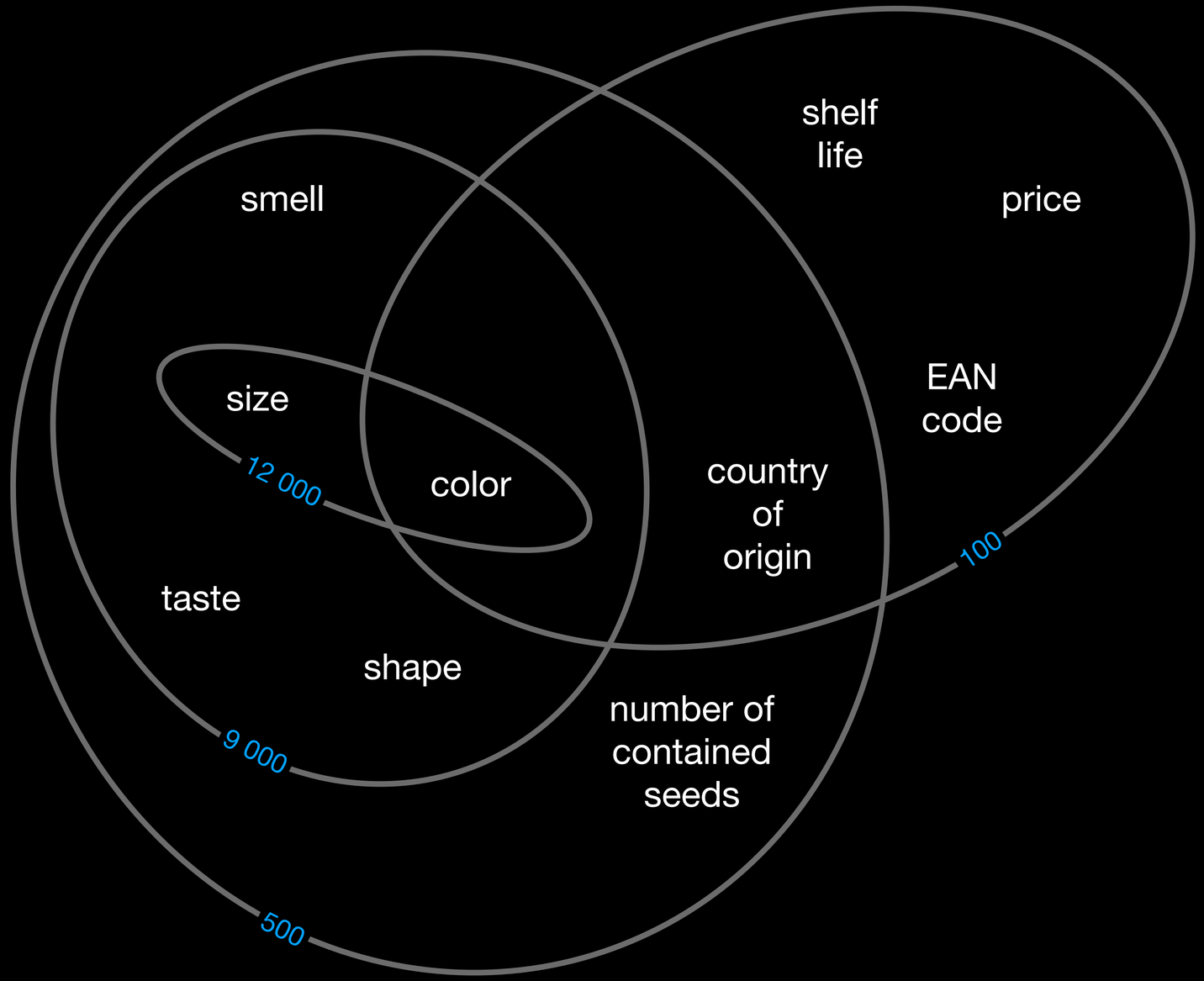
shape

number of contained seeds


Looks like some properties are shared by different things.
MARTIN


shelf life
price
smell
size
color
EAN code
country of origin
taste
shape
number of contained seeds


Before I see a lot of these, types makes no sense.
MARTIN


smell
shelf life
price
size
EAN code
12 000
color
country of origin
100
taste
shape
number of contained seeds
9 000
500

FOOD

PRODUCT

FRUIT

smell

shelf life

price

size

12 000

color

EAN code

country of origin

100

taste

shape

number of contained seeds

9 000

500

Neat, color is shared among food, fruit and products, regardless of how we express the actual color.

FOOD

smell

size

12 000

color

taste

shape

9 000

shelf life

price

EAN code

country of origin

100

PRODUCT

number of contained seeds

500

FRUIT

color

#c6d1c7
light green
544-546nm
NCS S 2005-G10Y

FOOD

smell

size

12 000

color

taste

shape

9 000

shelf life

price

EAN code

country of origin

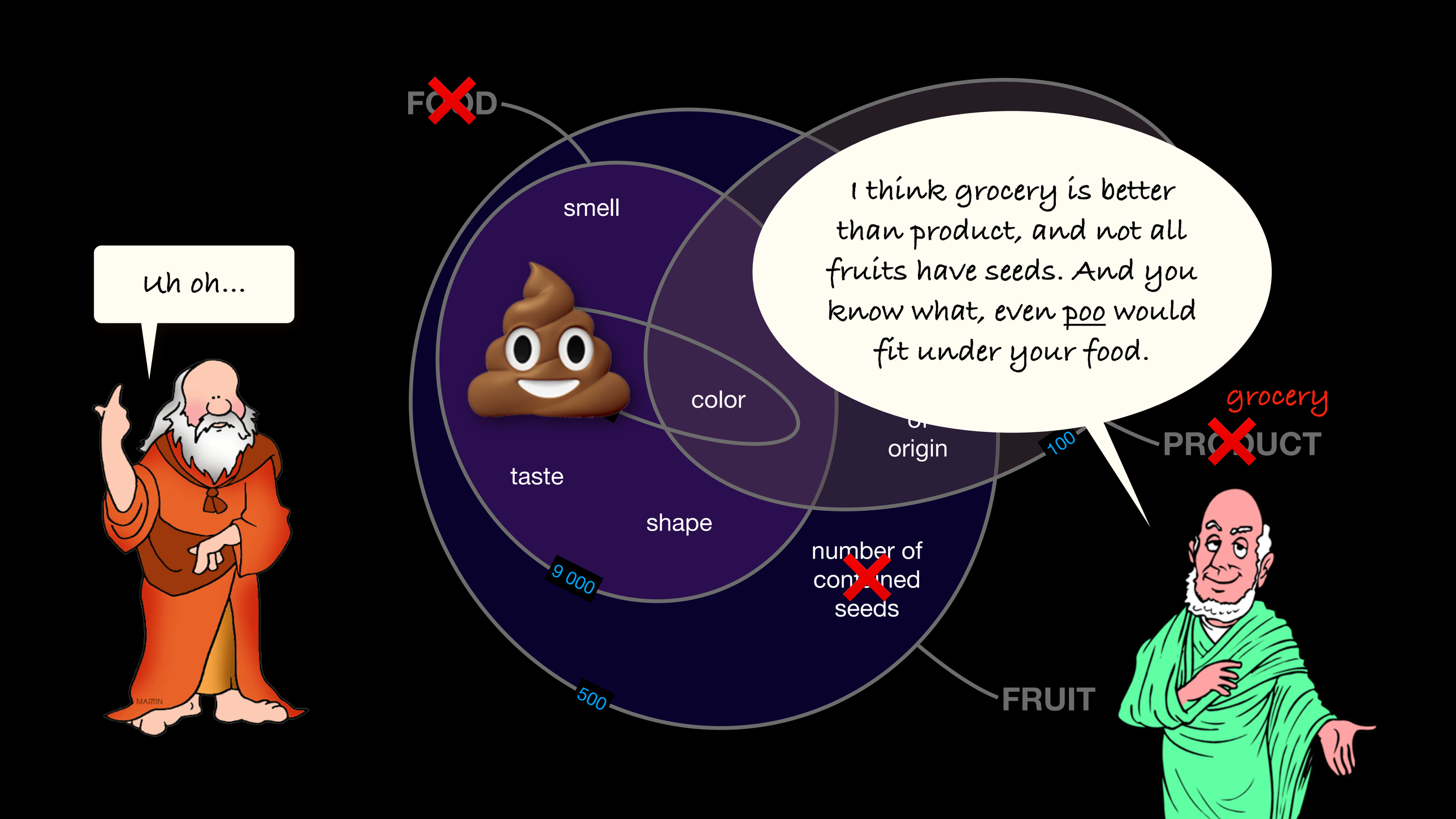
100

PRODUCT

number of contained seeds

500

FRUIT


Uh oh...
FOOD
smell
color
taste
shape
number of contained seeds
origin
9 000
500
100
FRUIT
PRODUCT
grocery
I think grocery is better than product, and not all fruits have seeds. And you know what, even poo would fit under your food.

“If *properties* are what classifications are based upon, then how do you tell an **apple** from an **orange**?”

– A particular dilemma for data modellers (and Aristotle’s objection against Plato)

Let's say fruit is just shorthand for this bunch of properties.

smell

size

color

country of origin

taste

shape

number of contained seeds

500

Mmm... ok, so anything that comes with these is of the fruit class. Perhaps the country of origin could be optional?

CLASS

FRUIT

If we add the name of the fruit, then it can only be determined after evaluating some of the properties.

smell

name

size

color

taste

shape

country of origin

number of contained seeds

500

{**apple**, **orange**}

TYPE

I think we should call such enumerations types of fruit.

CLASS

FRUIT

“Both apples and oranges are different *types* of the FRUIT *class*.”

– A clarification for data modellers (and Plato alike)