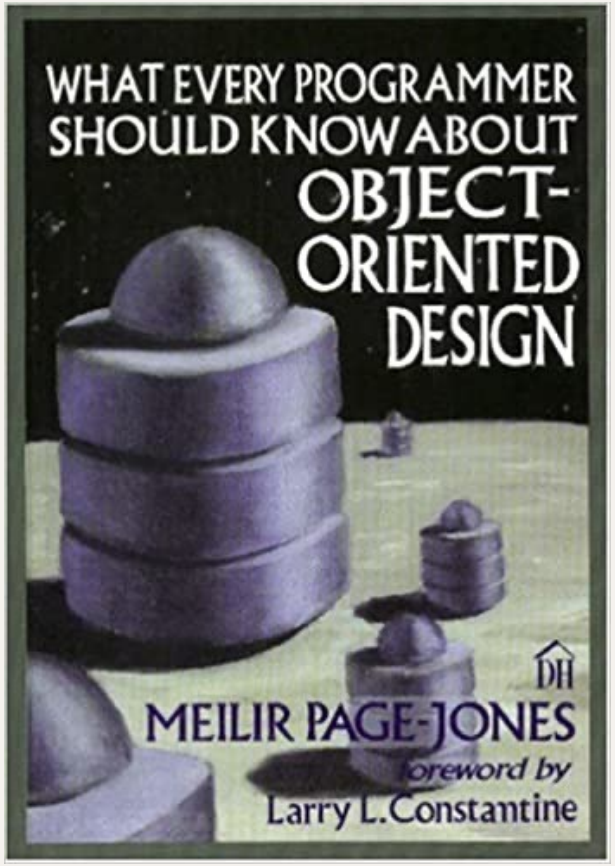
Connascence

A Closer Look At The Concept With A Personal Perspective

Once Upon A Time ...

Meilir Page Jones

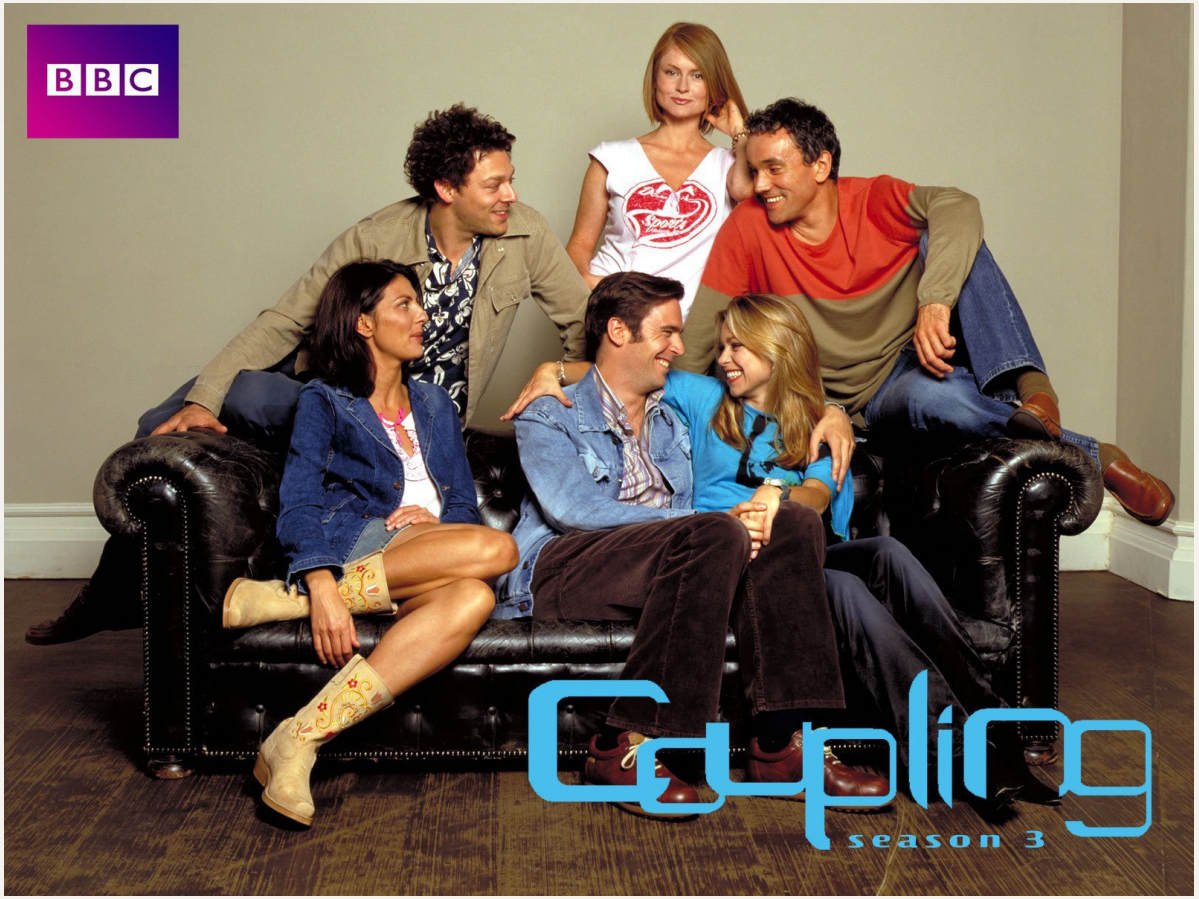


from Latin: **co-** + **nascence**

“together”

nascentem ⇒ “arising young, immature”,
present participle of ***nasci*** ⇒ **“to be born”**

“The birth and growth of two or more things at the same time”



NOT
This

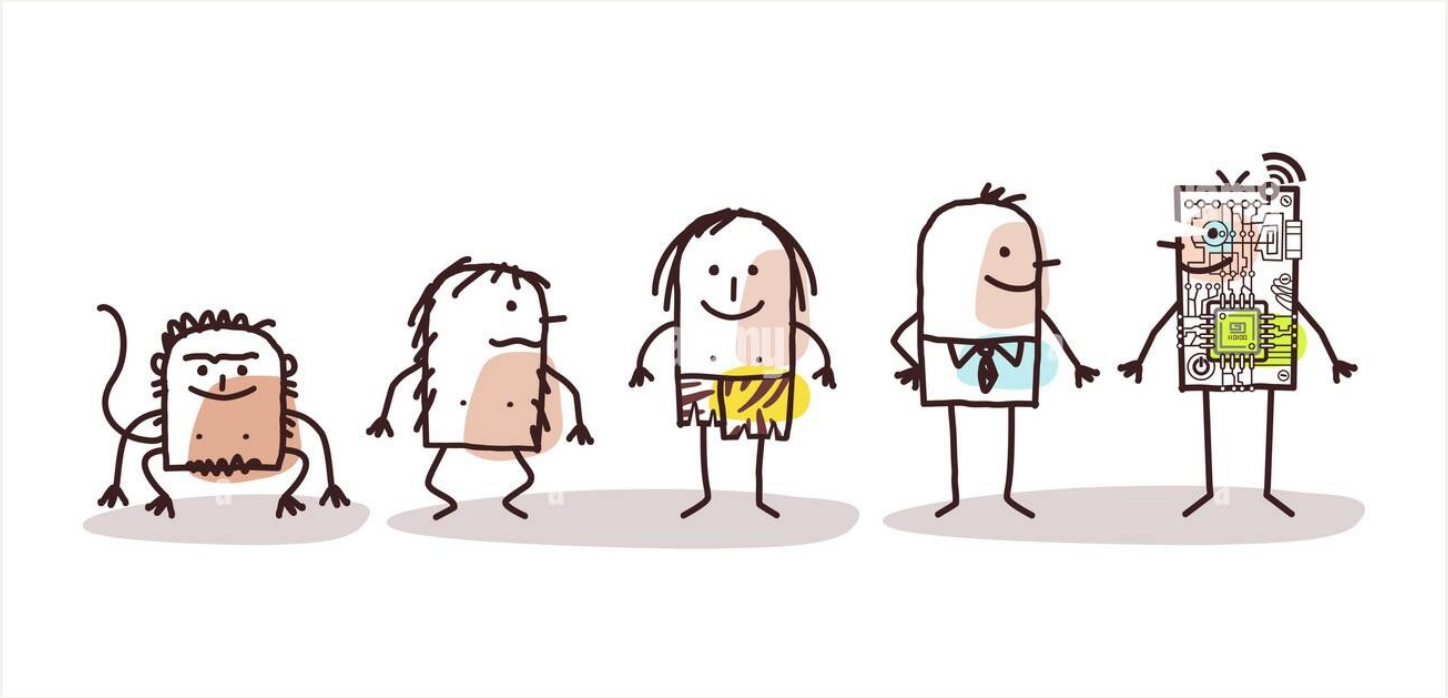
Coupling

- Larry Constantine
- 1960s
- Metric for Structured Design
- Modular

Connascence

- Meilir Page-Jones
- 1990s
- Metric for Object Oriented Design
- Software

The Concept of Connascence Has Been Adapated and Expanded.



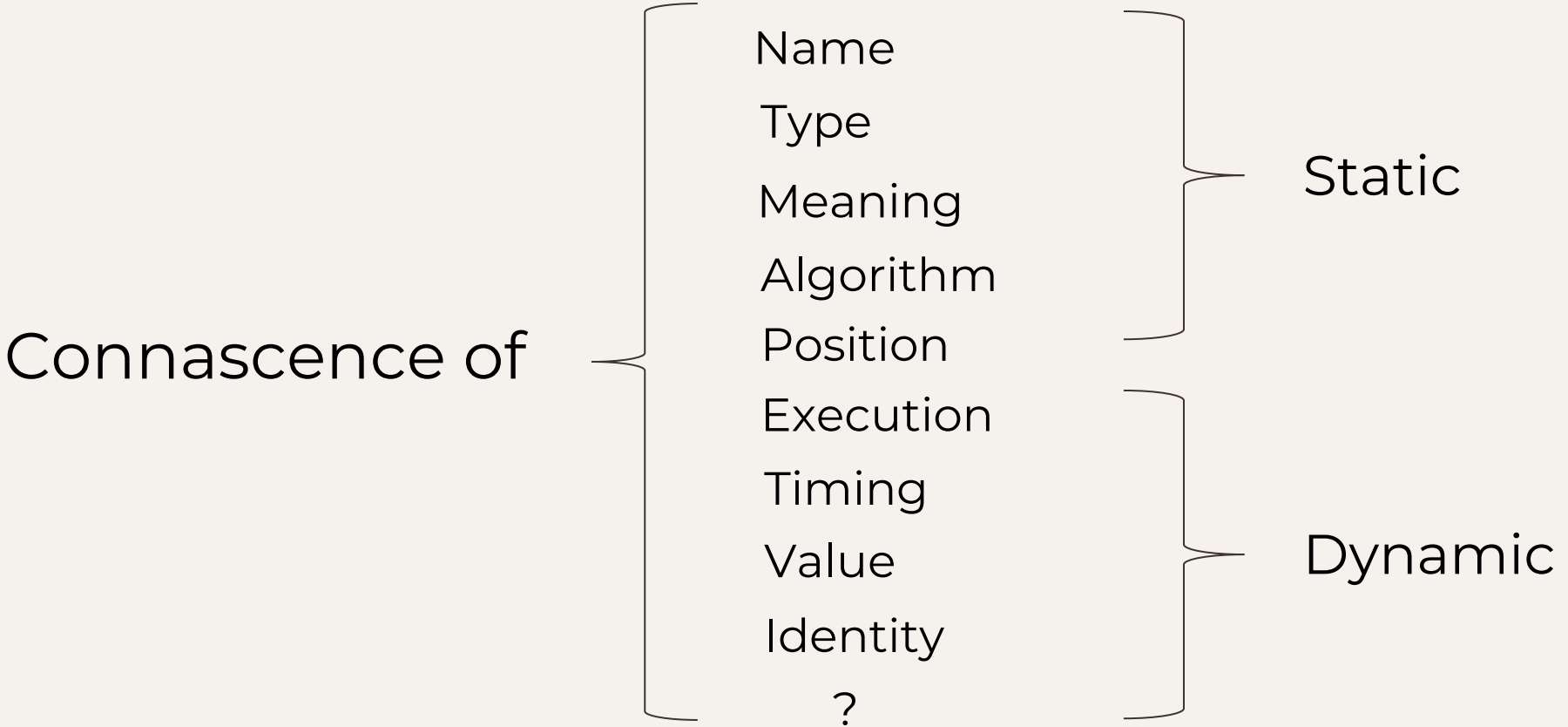
Until One Day ...

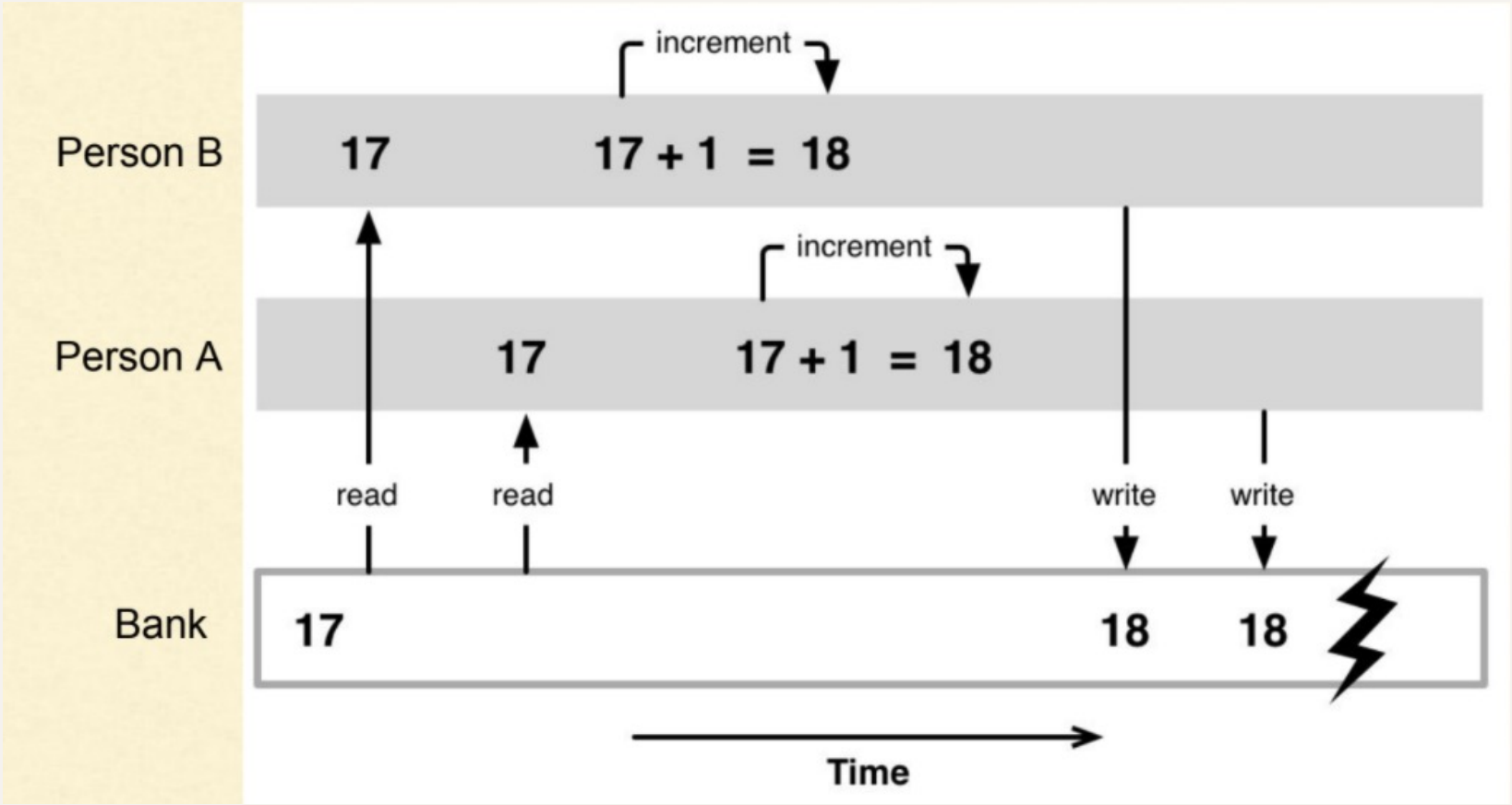
Jim Weirich

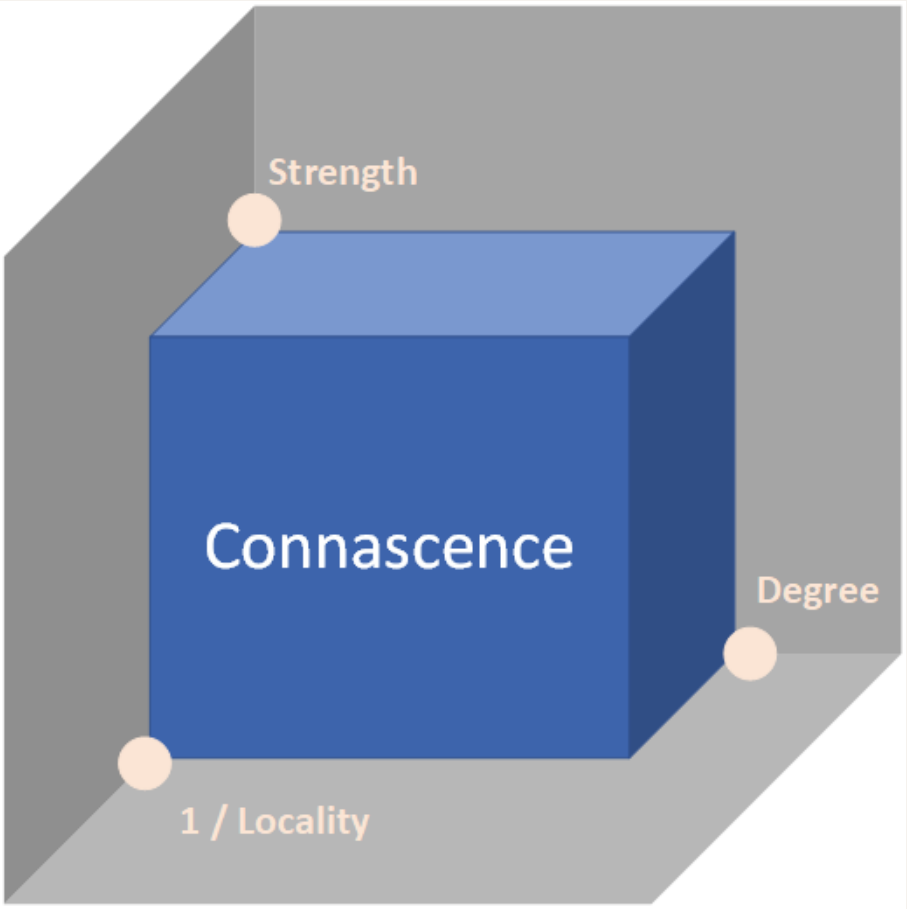
Grand Unified Theory of Software Design

“Two pieces of software share **connascence** when a change in one requires a corresponding change in the other.”

- Jim Weirich


Connascence of
Name
Type
Meaning
Algorithm
Position
Execution
Timing
Value
Identity
?
Static
Dynamic


increment
Person B
17
17 + 1 = 18
increment
Person A
17
17 + 1 = 18
read
read
write
write
Bank
17
18
18
Time



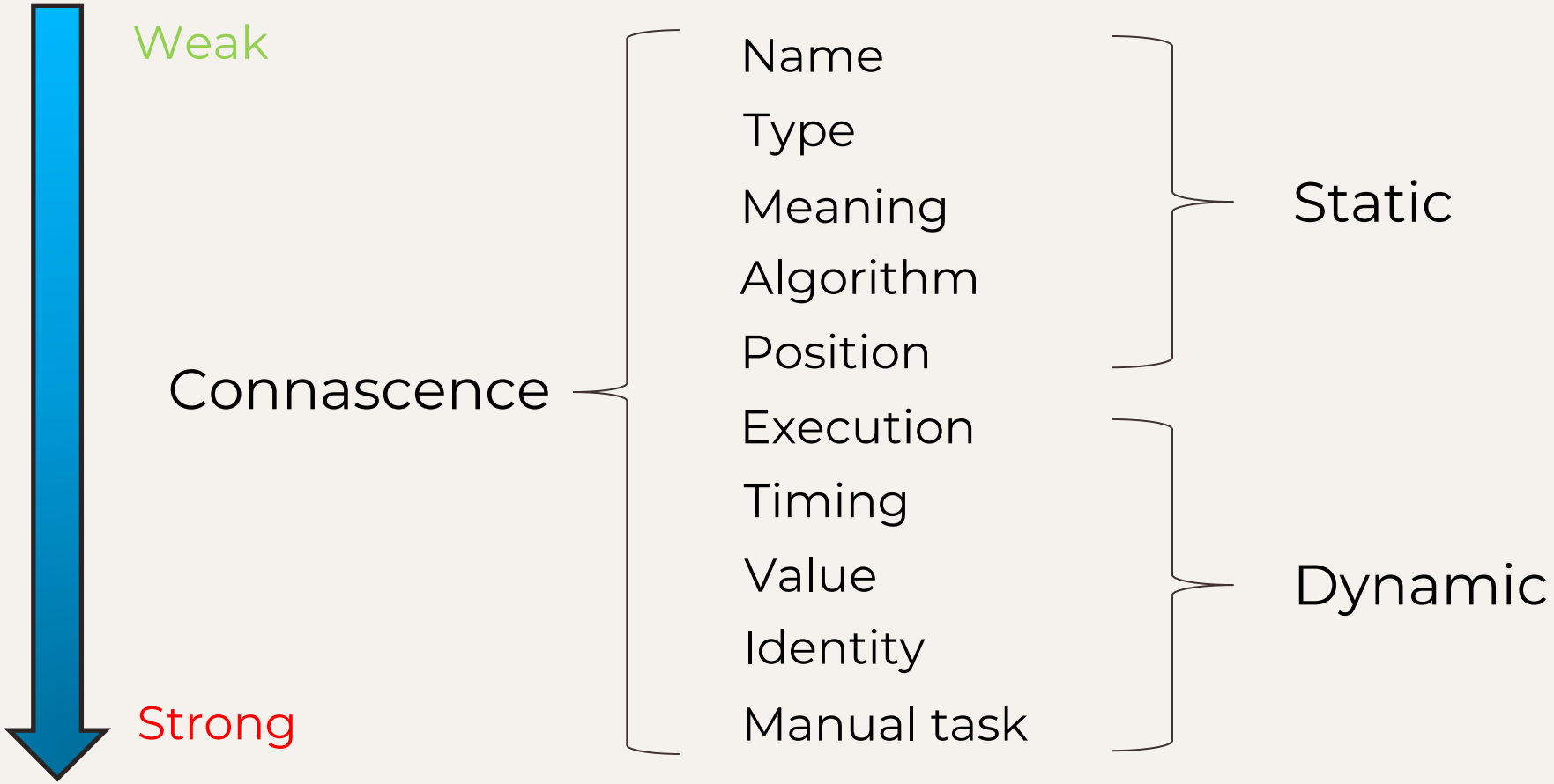
Dimensions of Connascence

“Connascence can be used as a tool to help prioritize what should be refactored first.”

-Kevin Rutherford

And One Day ...

Marco Consolaro


Weak
Strong
Connascence
Name
Type
Meaning
Algorithm
Position
Execution
Timing
Value
Identity
Manual task
Static
Dynamic

References:

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Yuqing Lu
Yuqing.lu@bouvet.no