

The Golden Age



Know thyself...

"an unexamined life is not worth living"

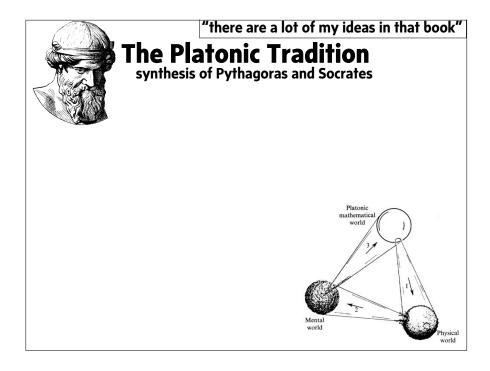
Socratic method: deduction and induction

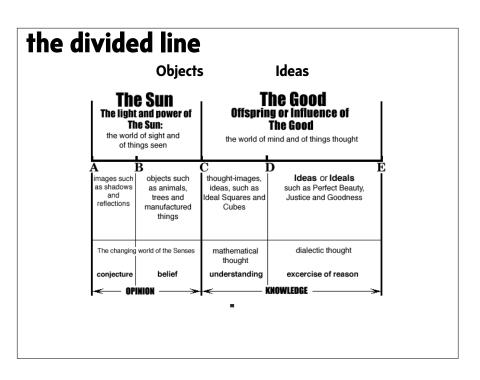
Deduction:Induction:Abduction:Rule: All men are mortal.Fact: Socrates is a man.Result: Socrates is mortal.Fact: Socrates is a man.Result: Socrates is mortal.Rule: All men are mortal.Result: Socrates is mortalRule: All men are mortal.Fact: Socrates is a man.

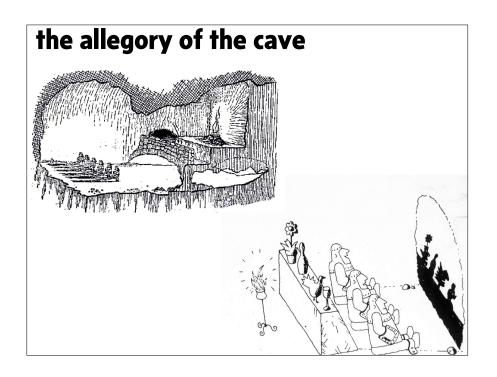
inductive definition: what do all instances of something have in common?

Essence:

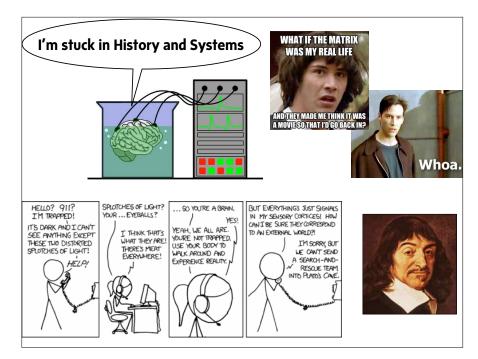
modern theories of memory, concepts, prototypes, object recognition











the nature of the soul

tri-partite theory: rational, courageous, appetitive

Reminiscence theory of knowledge

transmigration of the soul: soul is your perfect form; trapped in body. Upon death the soul returns to realm of forms.

nativist account for learning



"first psychologist": memory, sensation, sleep, dreams, learning.

The Aristotelian Tradition

"scratch an empiricist..."

empiricism - rationalism go hand in hand







British empiricism

inference

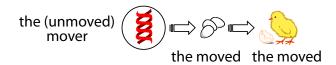
neuro-computation

on logic

considered founder of logic

something cannot cause itself

unmoved mover



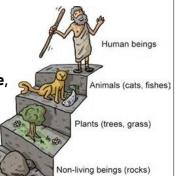
on politics

disagreed with Plato on the ideal form of gov't

on biology usually wrong

animals governed by **nutritive**, **perceptive**, and **locomotor** functions

scala naturae:



on sensation...

the importance of of the five senses

- Descartes, Müller, von Helmholtz

on reason...

sensation necessary but not sufficient (poverty of stimulus)

- •common sense:
- •passive reason:
 - active reason:



on memory... laws of association: on causation four causes material formal efficient final entelechy

a brief digression to 20th century learning

associationism a major mechanism of learning
Four Causes to 20th century theories of learning

Lashley:

Hull:

Tolman:

Skinner:

everything after...

Western philosophy (in particular pertaining to issues of psychology) can be viewed as a reaction to Plato & Aristotle...

dualism v. monism idealism v. materialism sensory v. rational ideas role of mind and body what type of universe?