

# 1. BENEFIT HUMANITY





## 2. PROTECT PRIVACY & SECURITY



# 3. ENHANCE OUR AUTONOMY



# 4. JUST AND FAIR

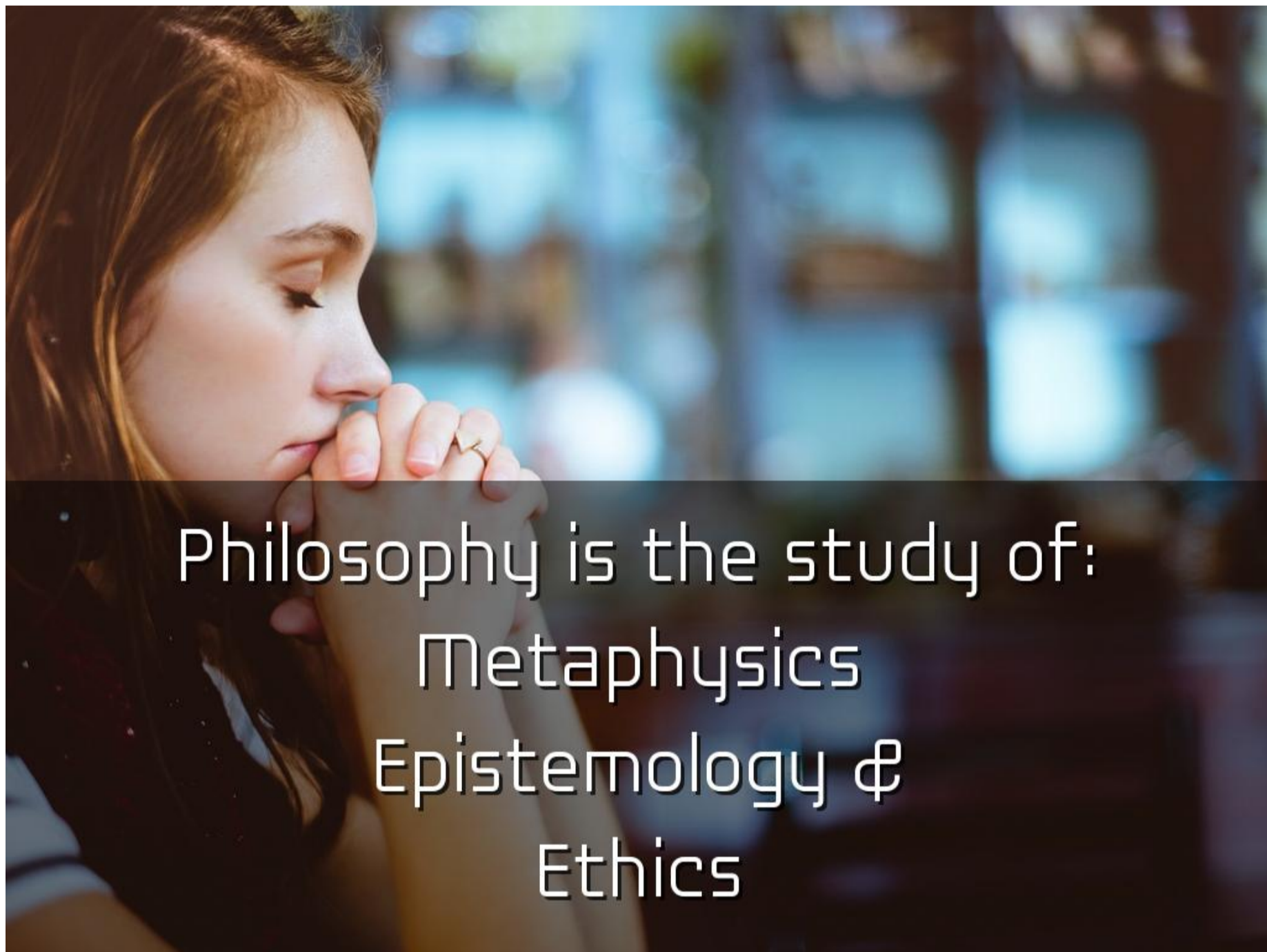


# 5. UNDERSTANDABLE TRANSPARENT & ACCOUNTABLE









Philosophy is the study of:  
Metaphysics  
Epistemology &  
Ethics

# METAPHYSICS

WHAT IS THERE?

# EPISTEMOLOGY

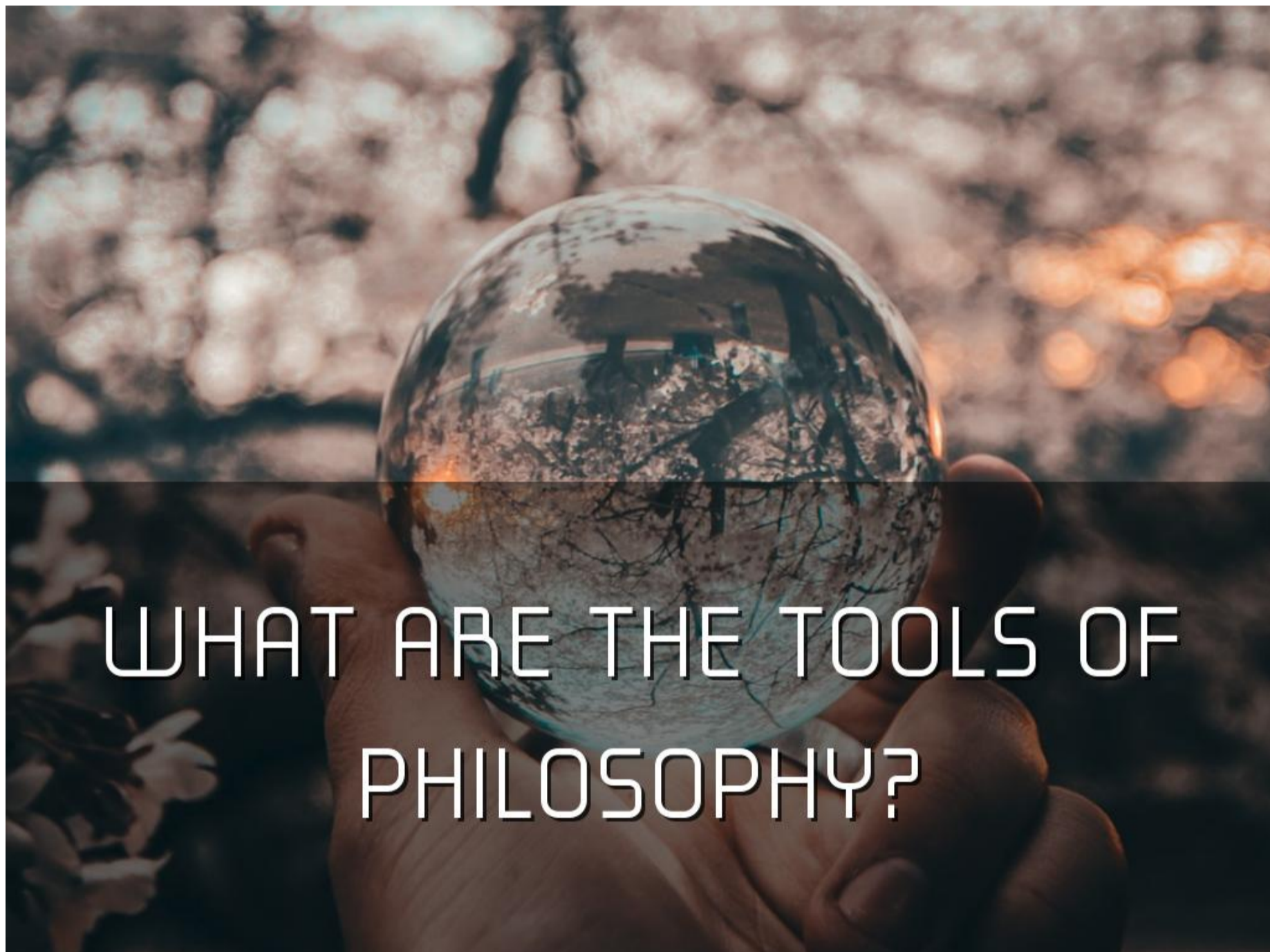


HOW DO WE KNOW WHAT THERE IS?

# ETHICS

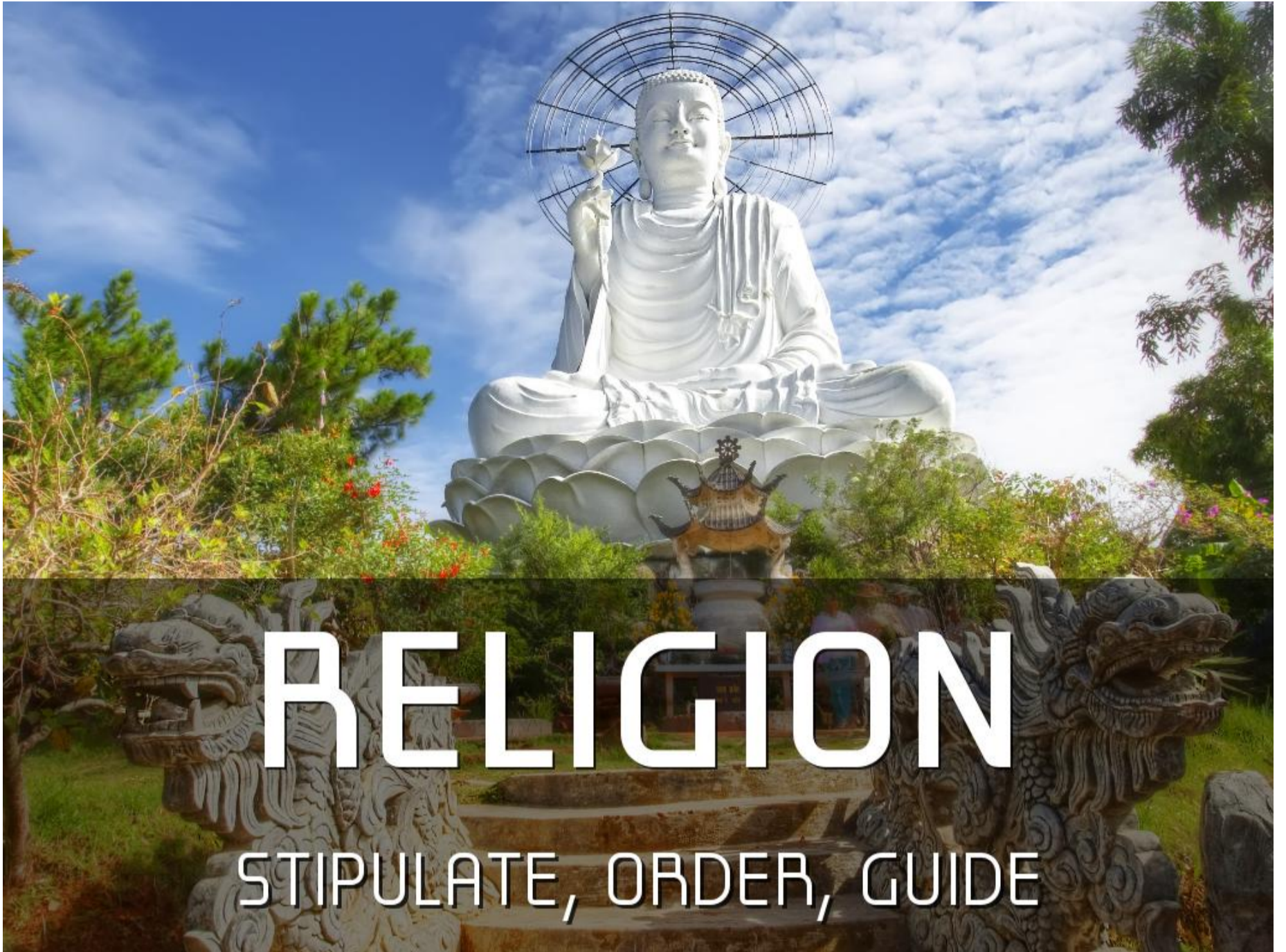


WHAT OUGHT WE DO, GIVEN WHAT IS, AND WHAT MIGHT BE?



# WHAT ARE THE TOOLS OF PHILOSOPHY?





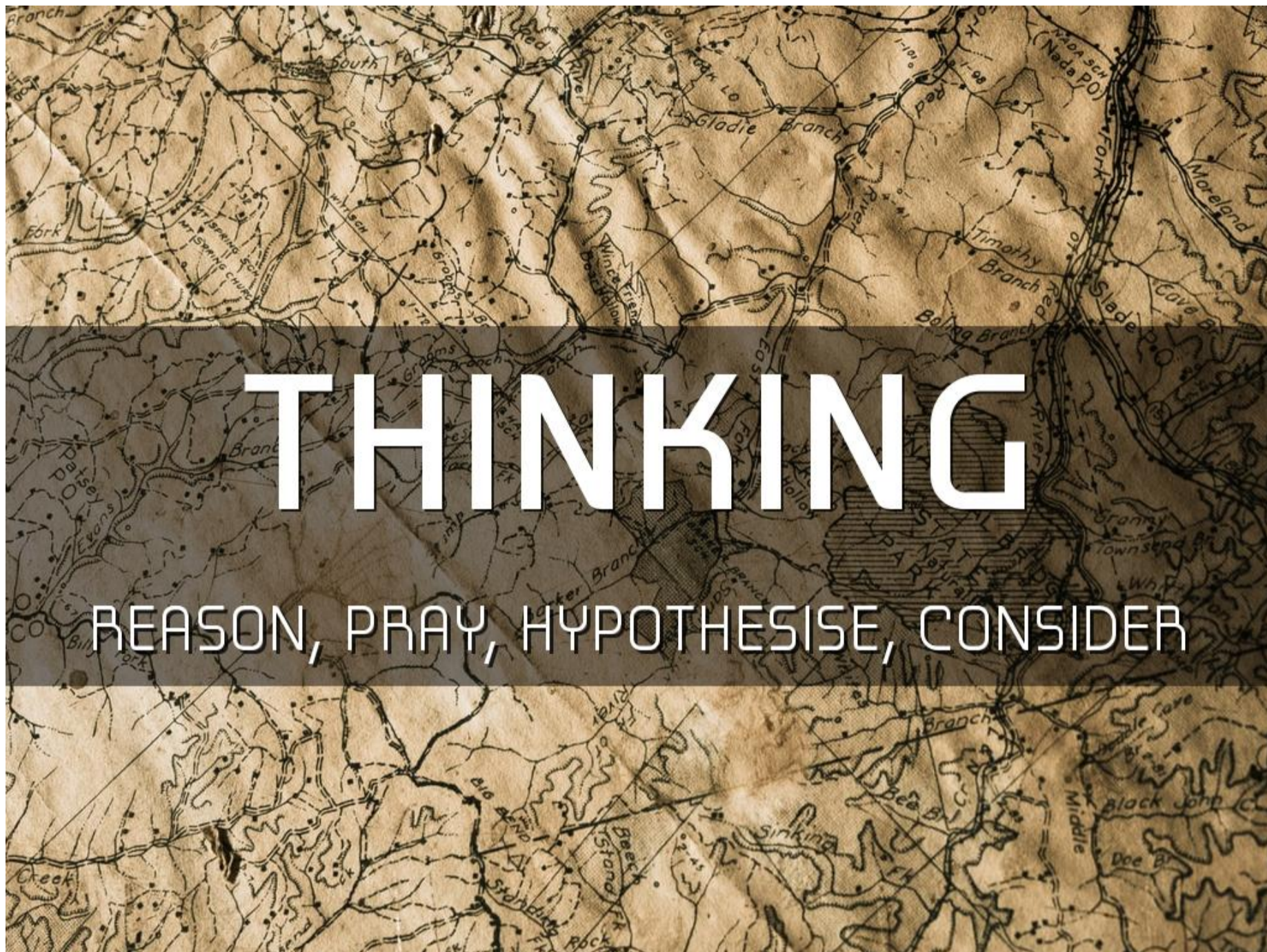
# SCIENCE

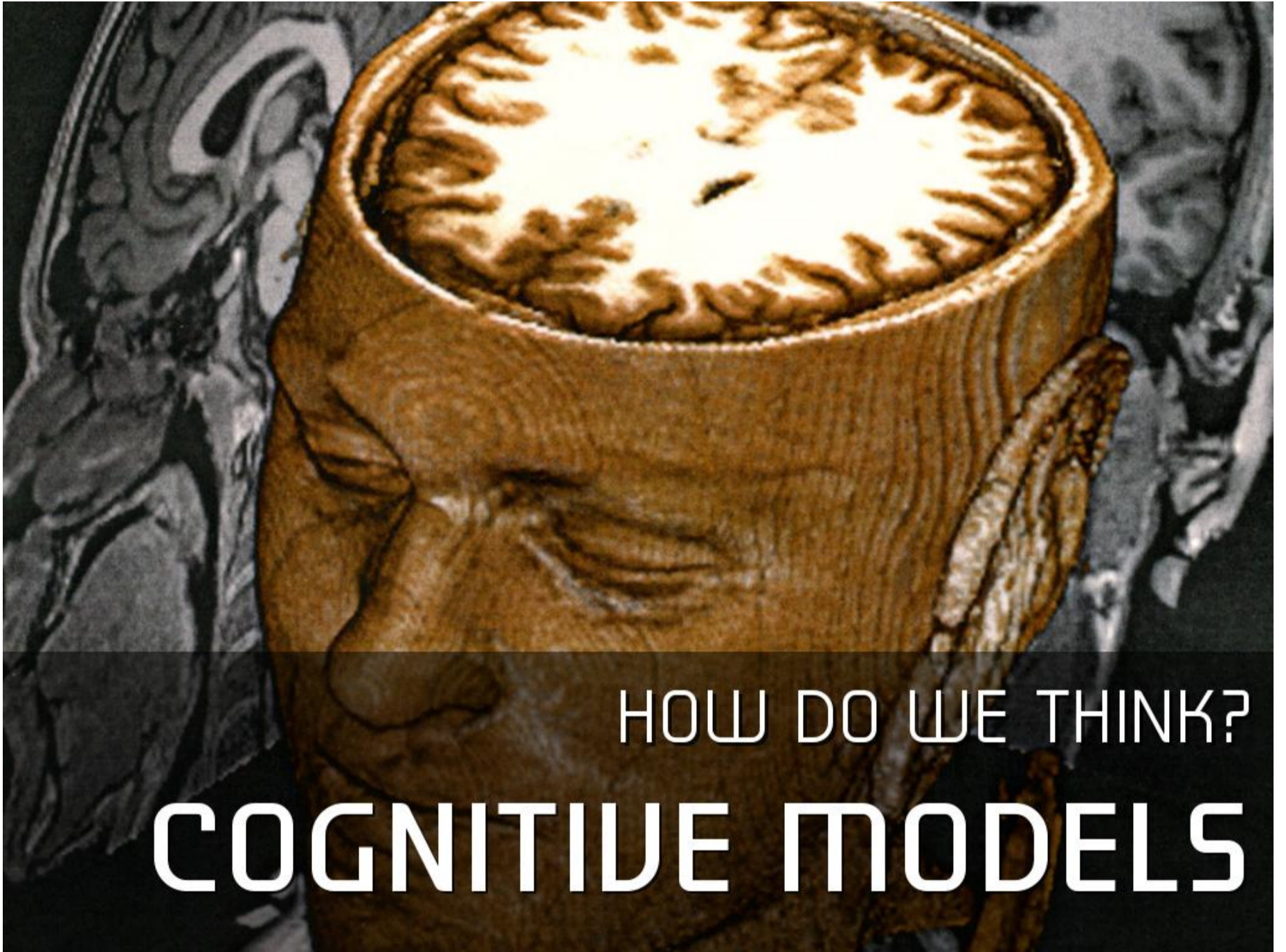
HYPOTHESISE, OBSERVE, EXPERIMENT, MEASURE, VALIDATE/DISPROVE





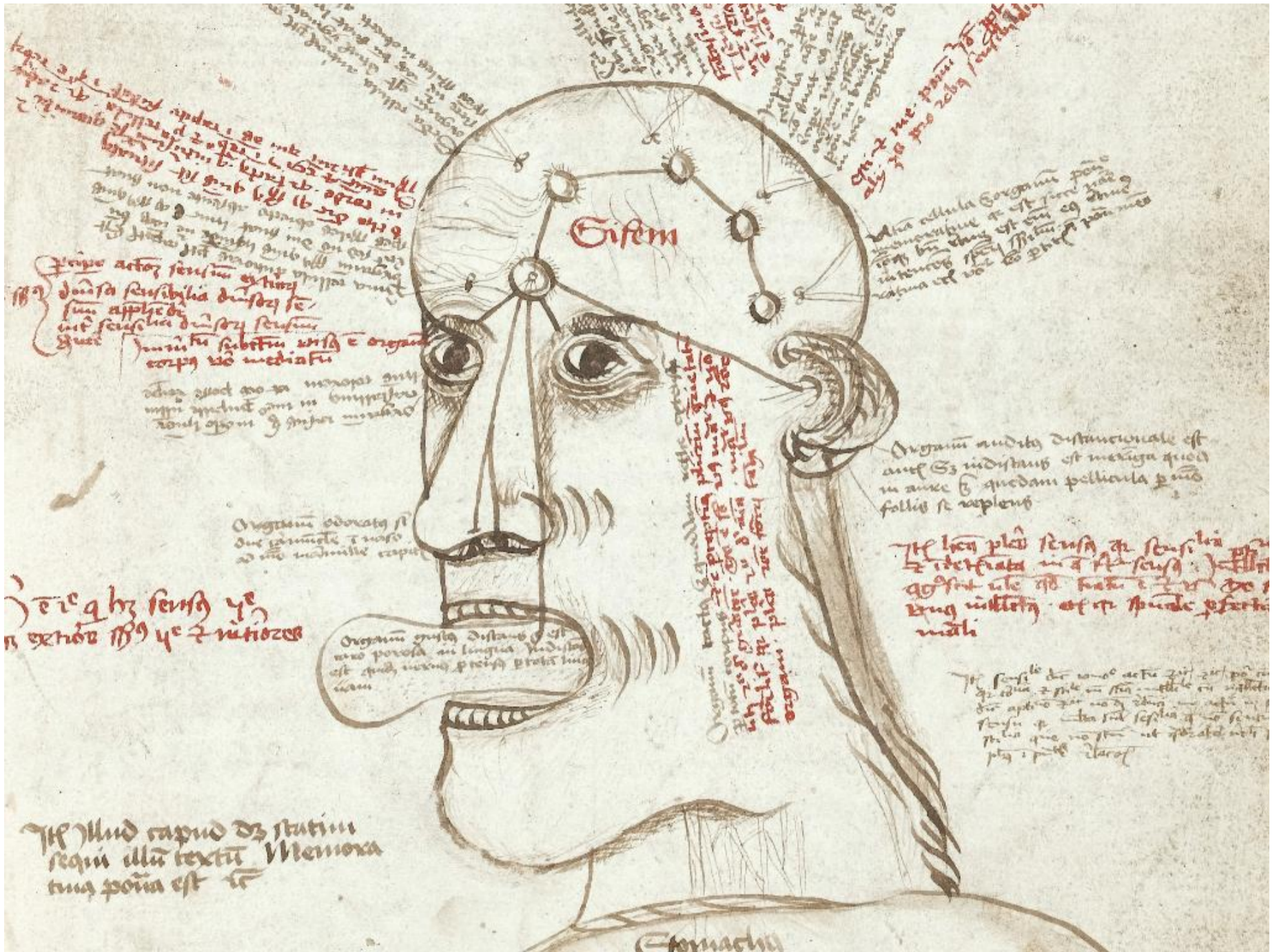


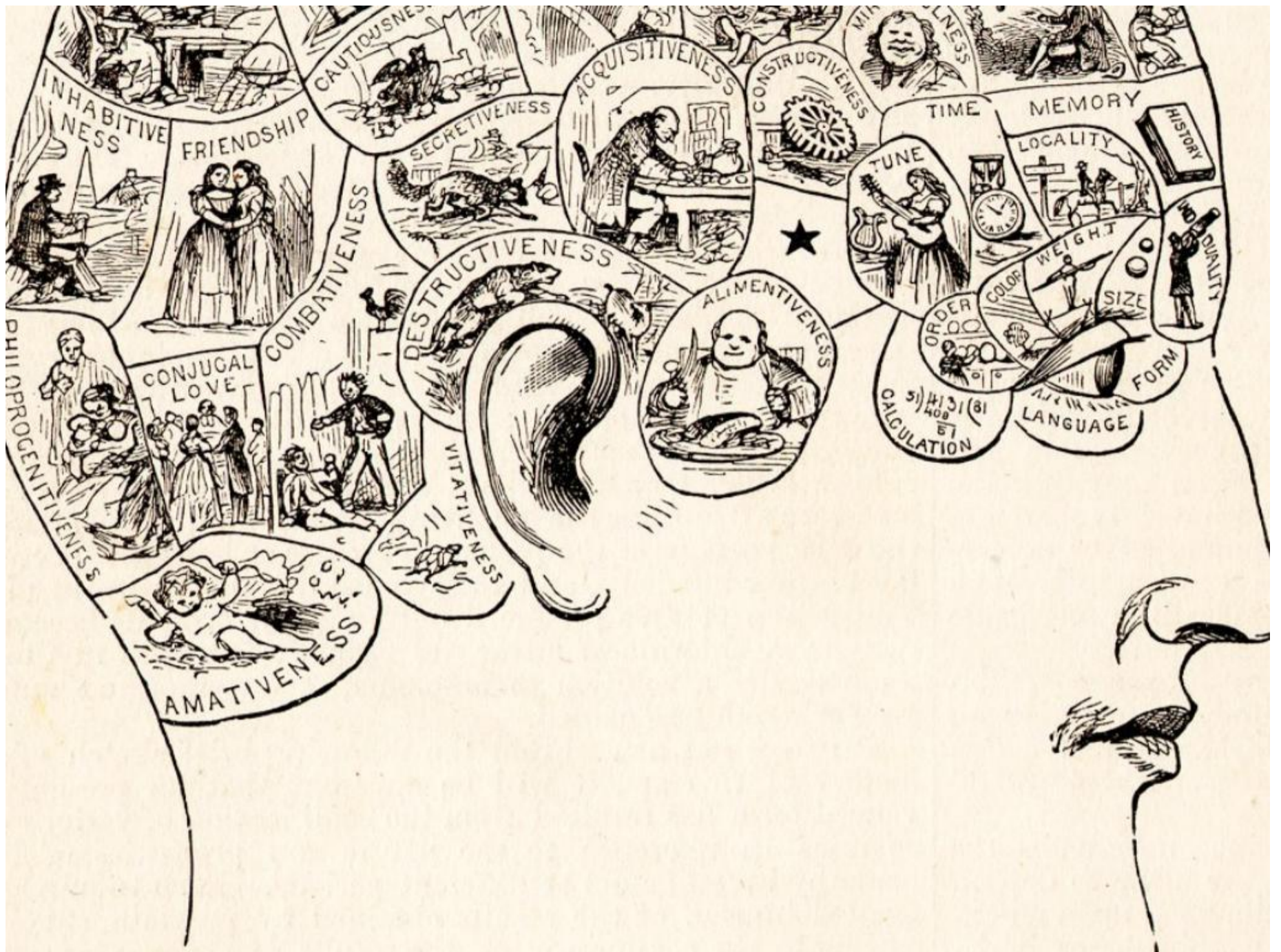




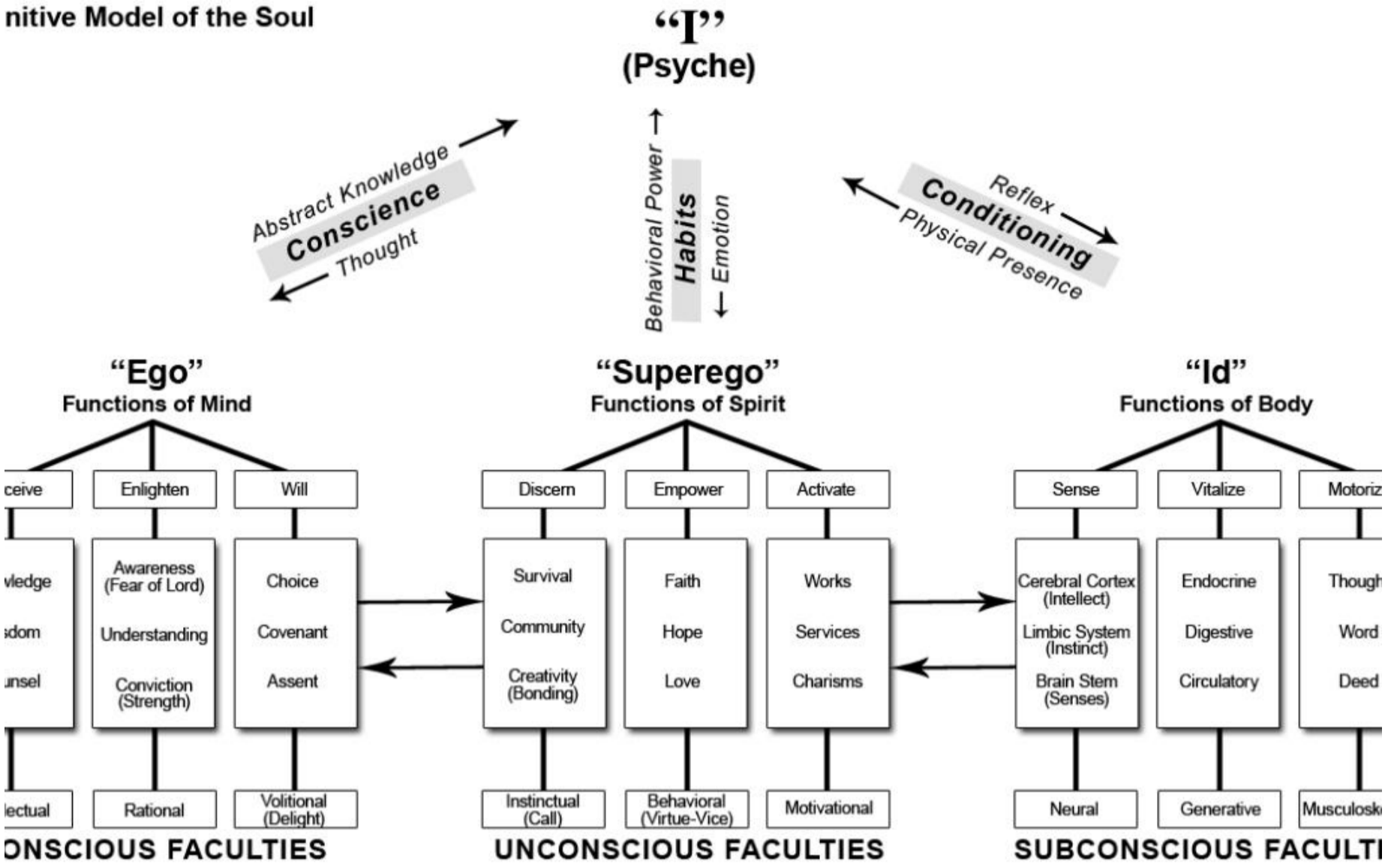
HOW DO WE THINK?

# COGNITIVE MODELS

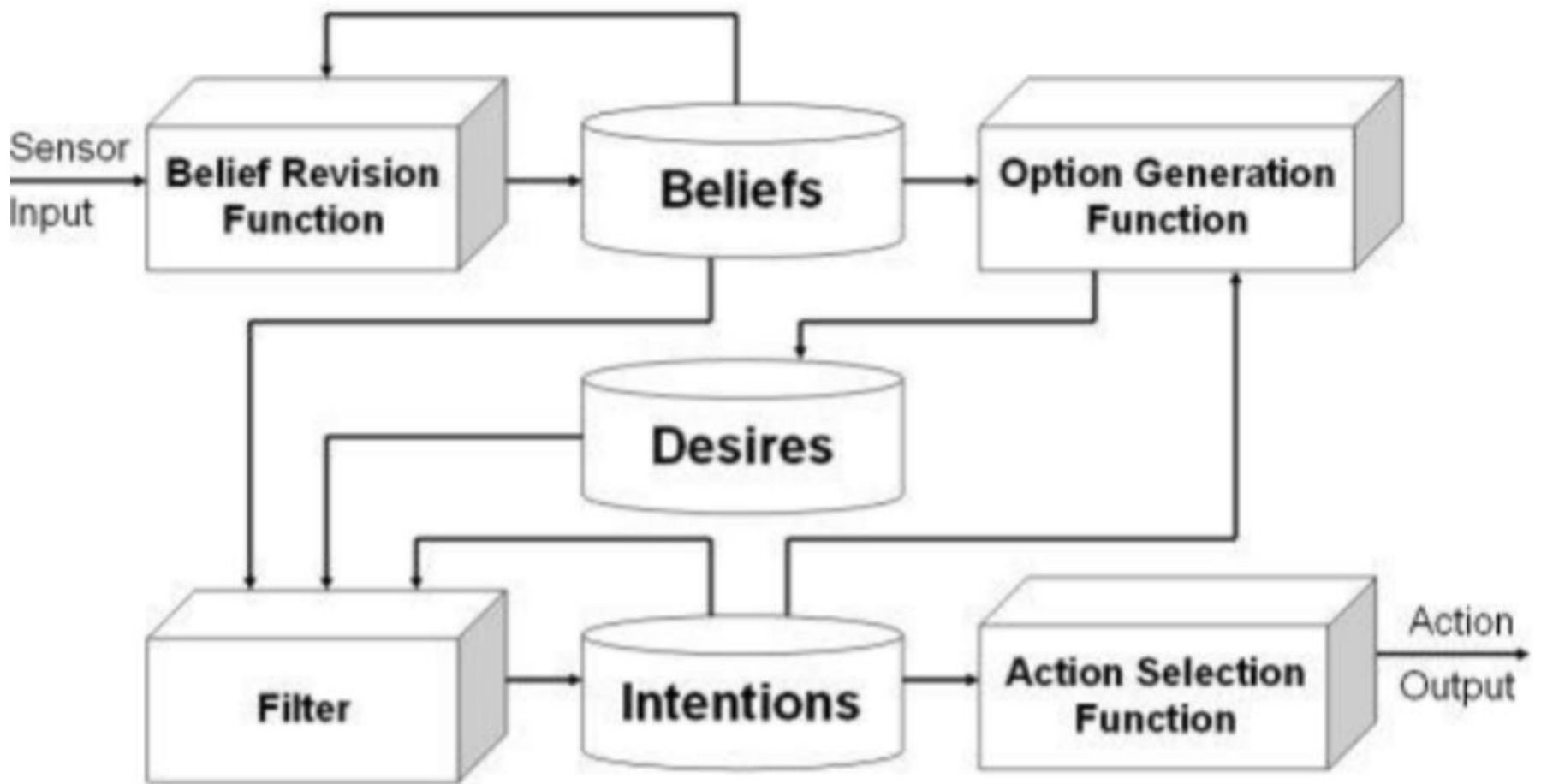




Integrative Model of the Soul



© 2016 by Frank A. J. Bra



# ETHICS

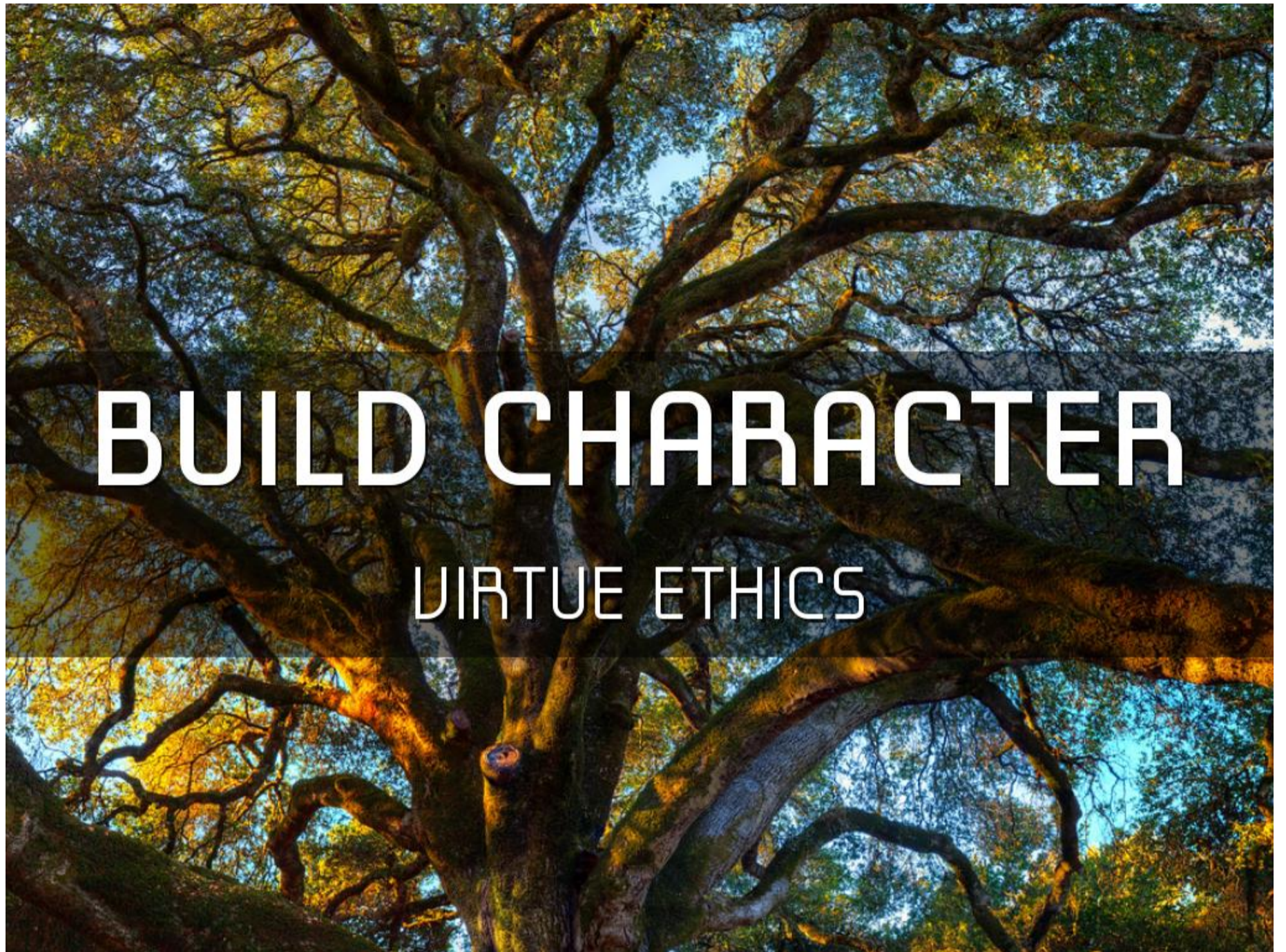


WHAT OUGHT WE DO, GIVEN WHAT IS, AND WHAT MIGHT BE?



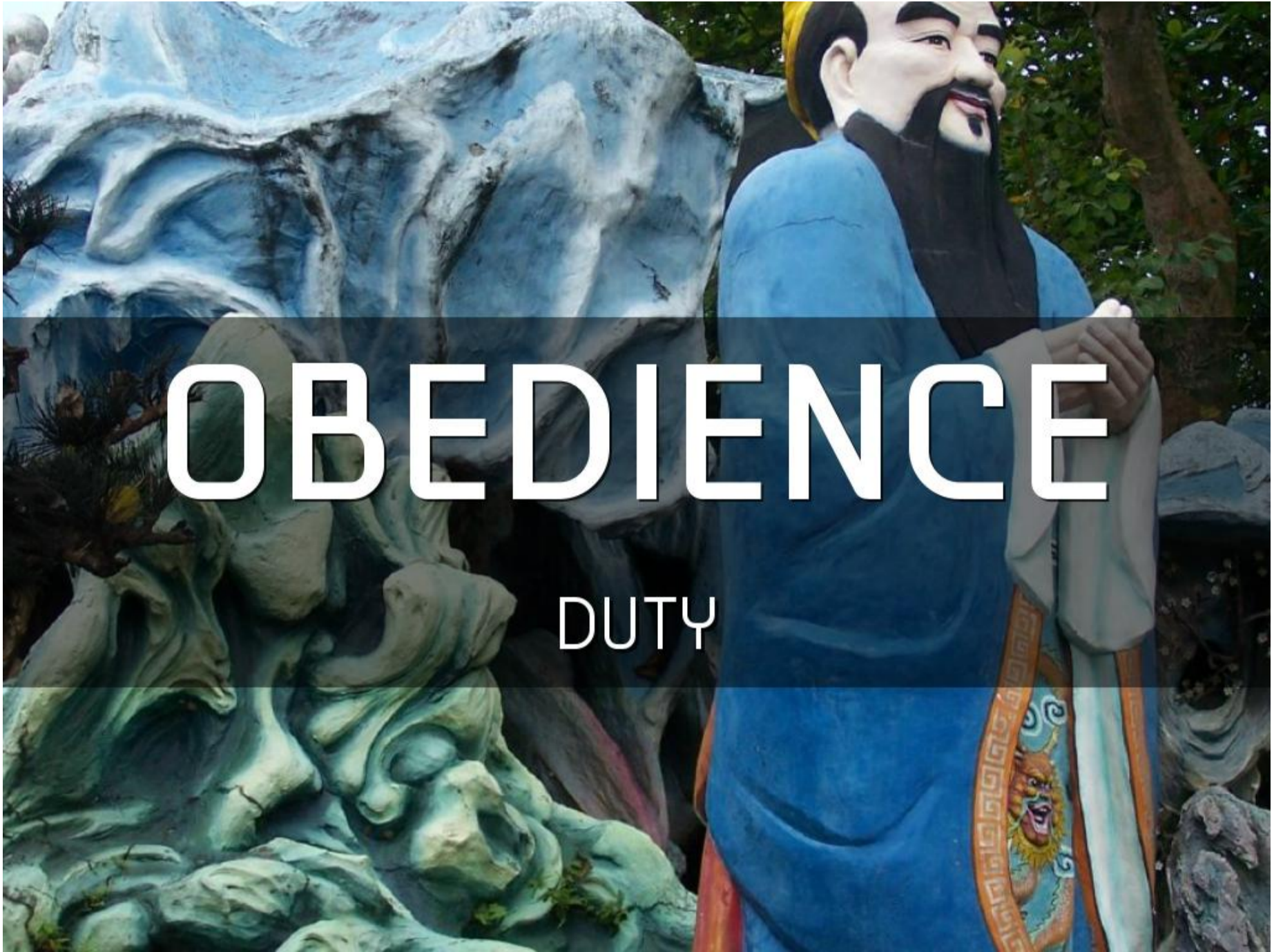






# BUILD CHARACTER

## VIRTUE ETHICS





# LOOK AFTER OTHERS

## ETHICS OF CARE



DESIRE TO BE DESIRELESS  
**ATTUNEMENT**



# WHAT IS INTELLIGENCE?



MOST PEOPLE DEFINE 'INTELLIGENCE' IN THEIR OWN IMAGE



we use the word 'intelligence' to describe human abilities to acquire useful knowledge, solve consequential problems using some combination of logic, intuition, creativity, experience, and wisdom



intelligent' people are  
good at learning,  
retaining knowledge  
and adapting

The term 'artificial intelligence' was coined by John McCarthy (Dartmouth College), Marvin Minsky (Harvard University), Nathaniel Rochester (IBM), and Claude Shannon (Bell Telephone Laboratories), 1956

# Make machines use language

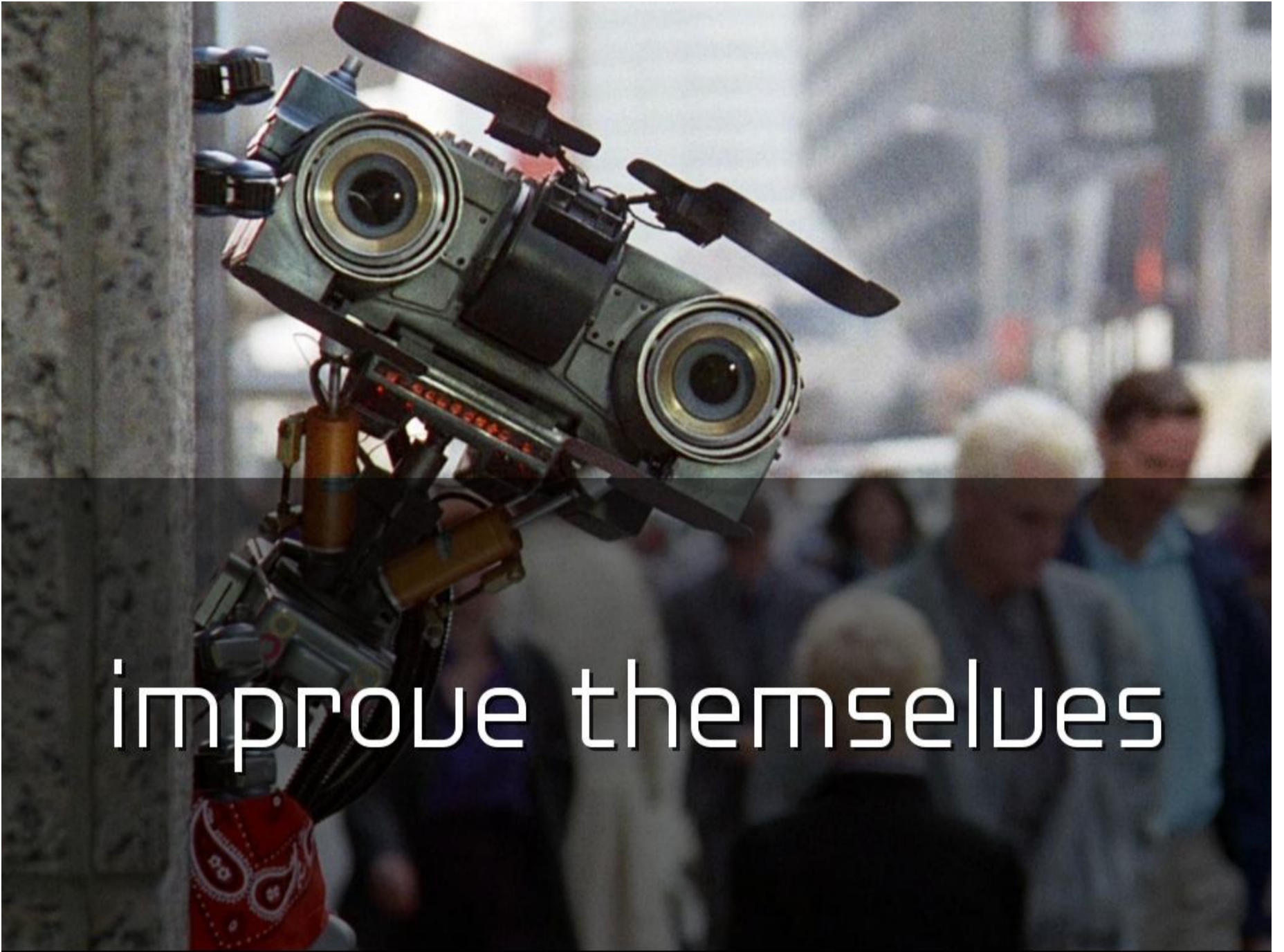


**WOPR**  
WAR OPERATION PLAN RESPONSE

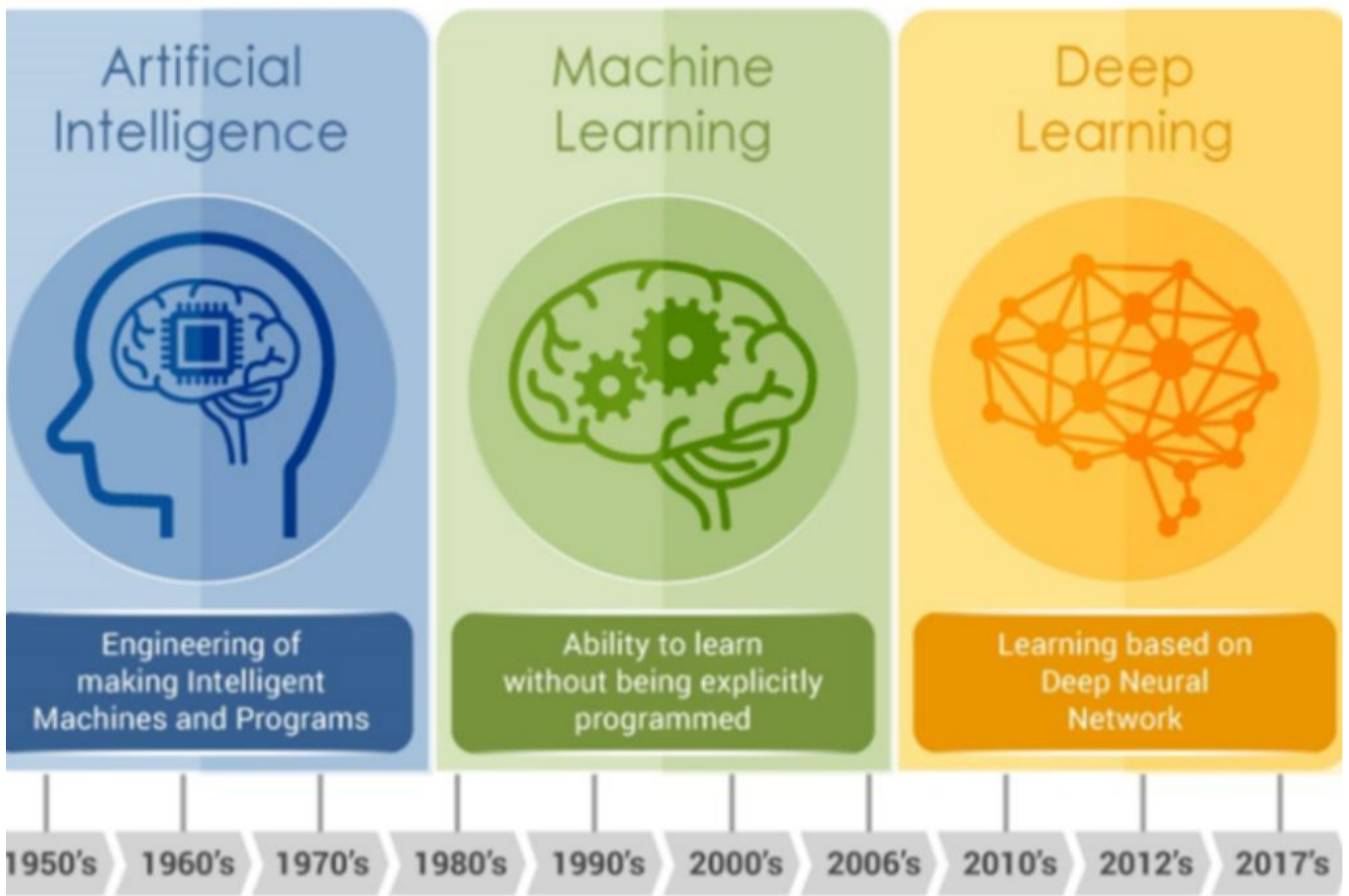


# form abstractions and concepts





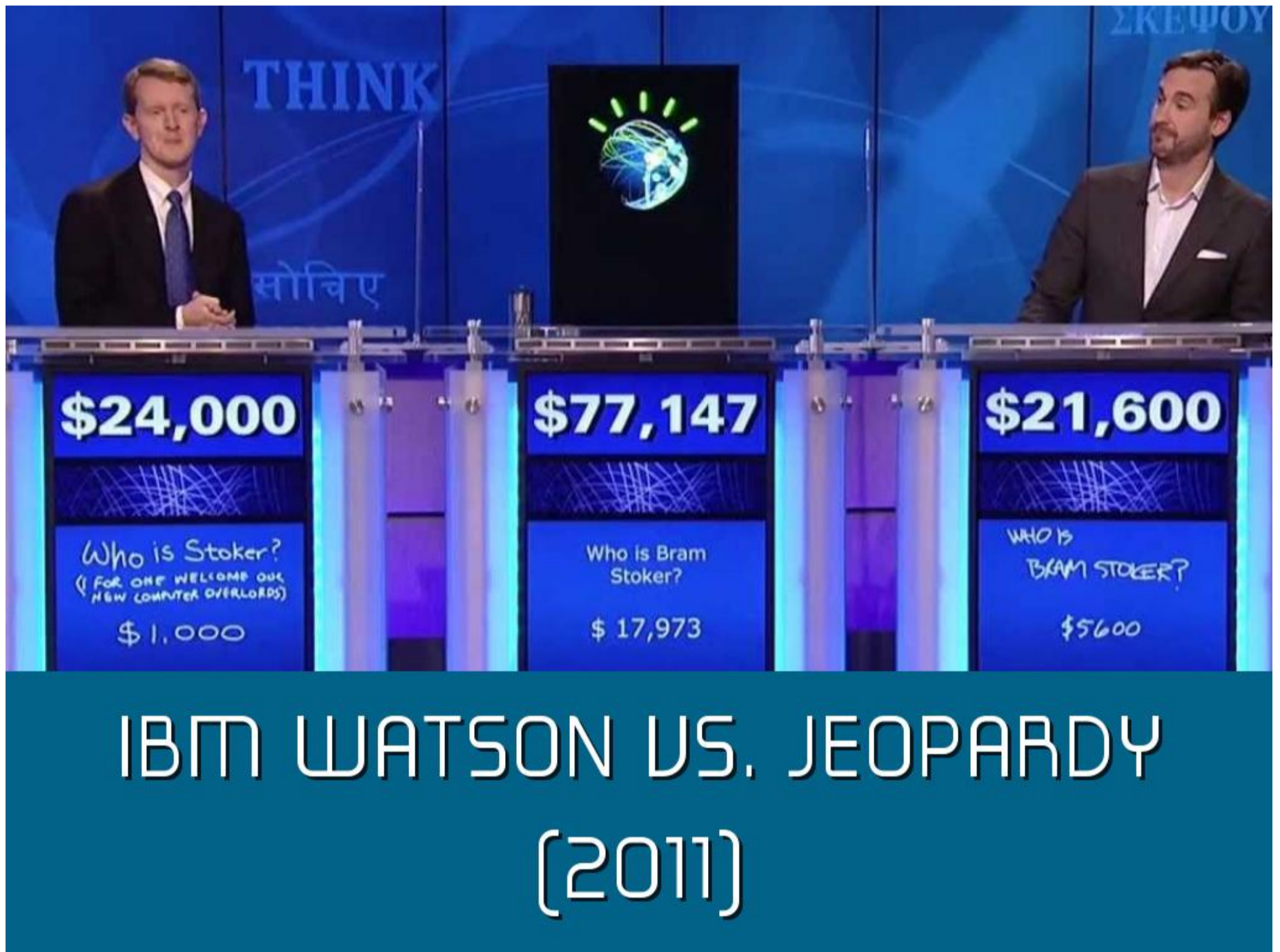
improve themselves





# DeepBlue v.s. Kasparov (1997)







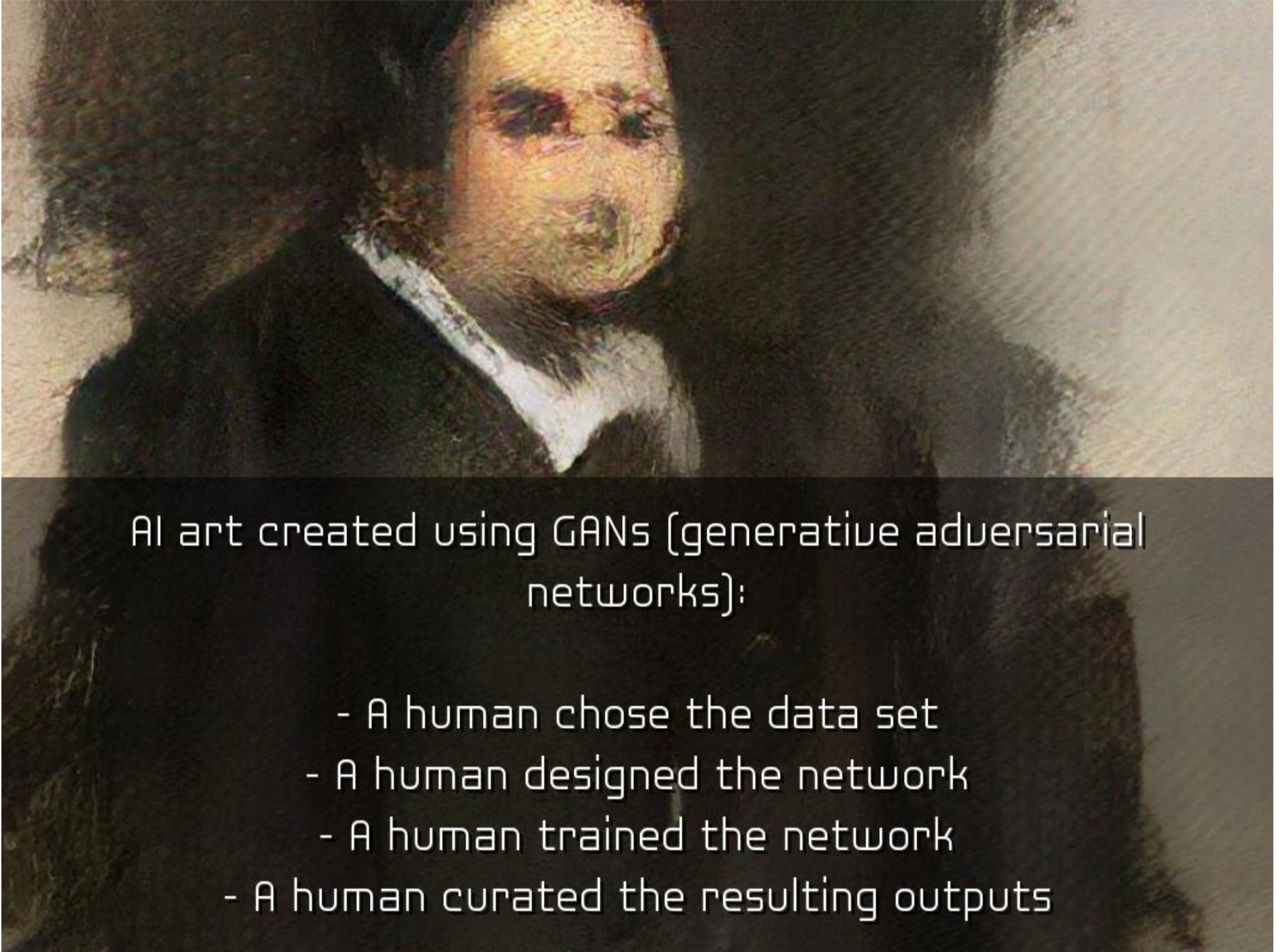
# Lee Se-Dol vs. AlphaGo



# AlphaZero gets the rules to a game and learns by itself

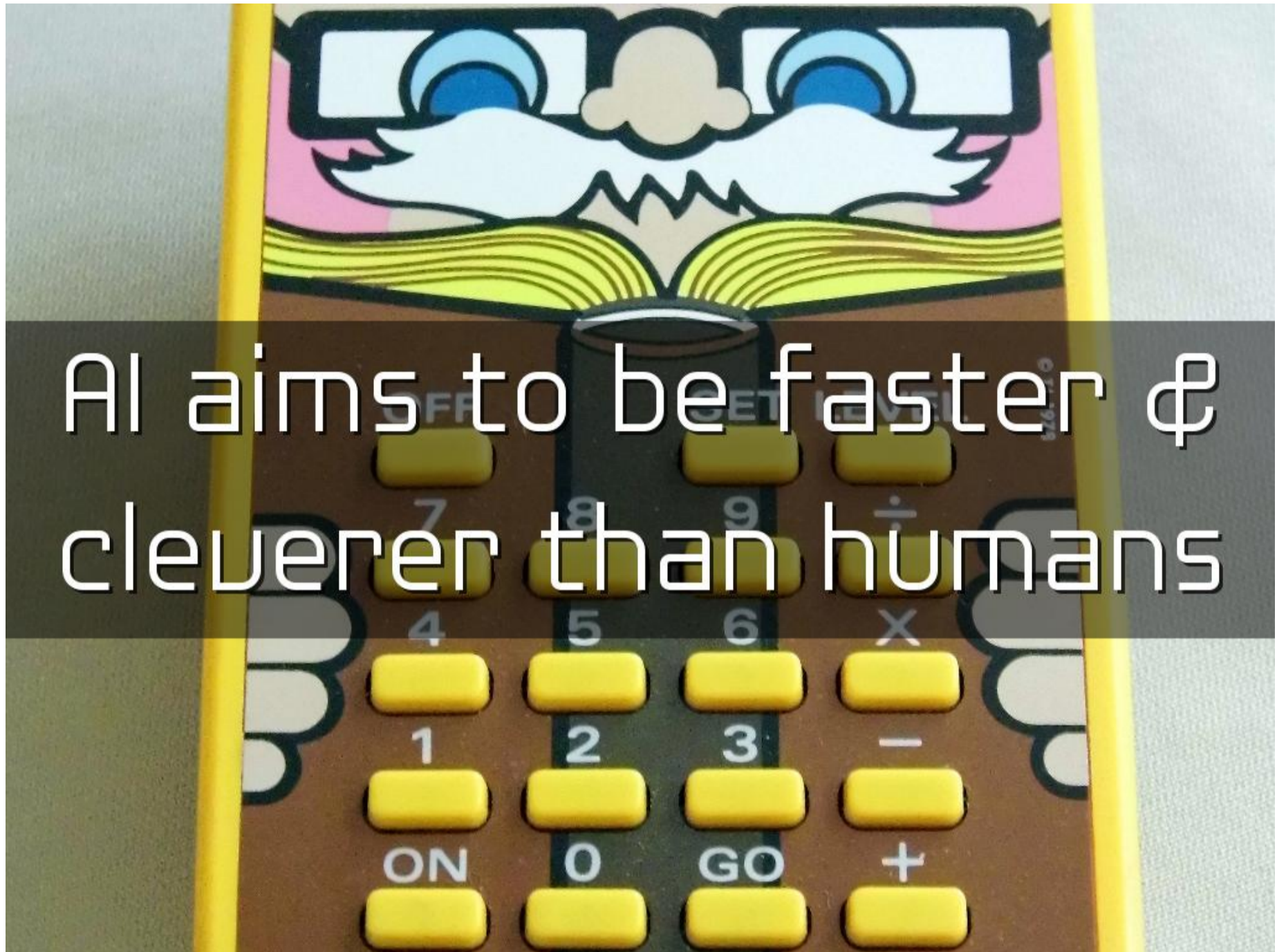


## DEEPMIND ALPHASTAR BEAT HUMAN PLAYERS (2019)



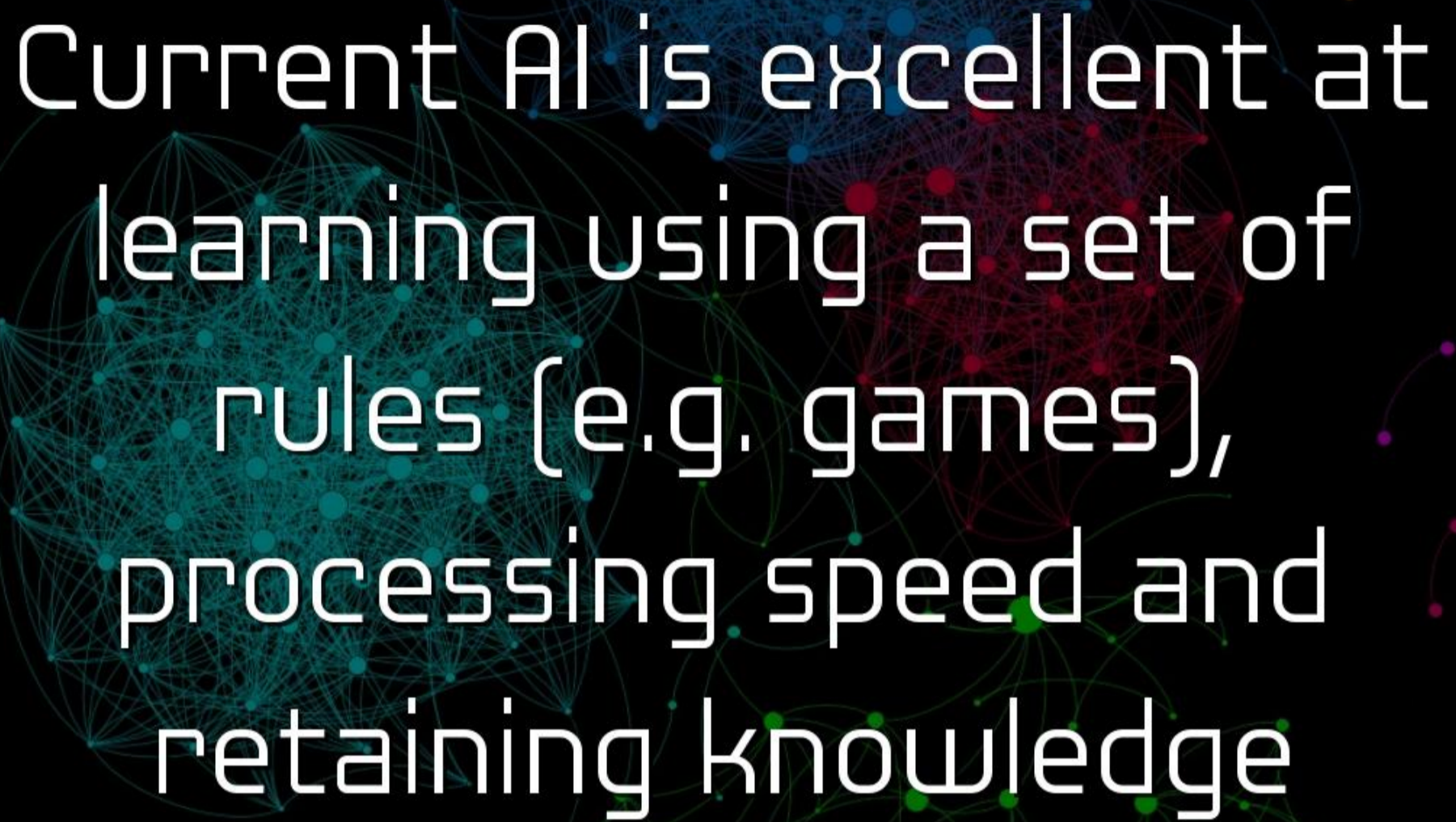


Link to Video: [https://youtu.be/HG\\_NZpkttXE](https://youtu.be/HG_NZpkttXE)



AI aims to be faster & cleverer than humans

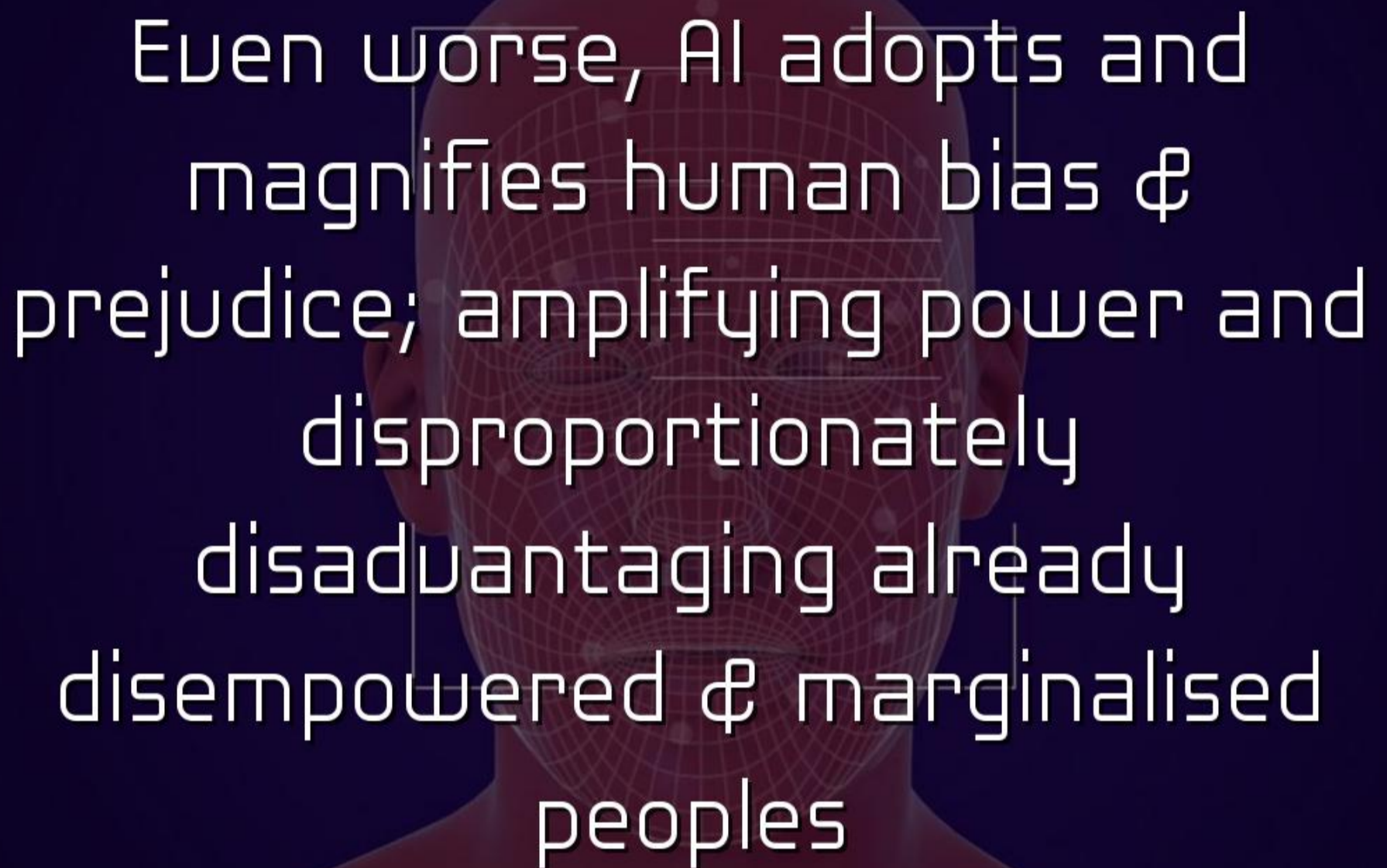




Current AI is excellent at learning using a set of rules (e.g. games), processing speed and retaining knowledge

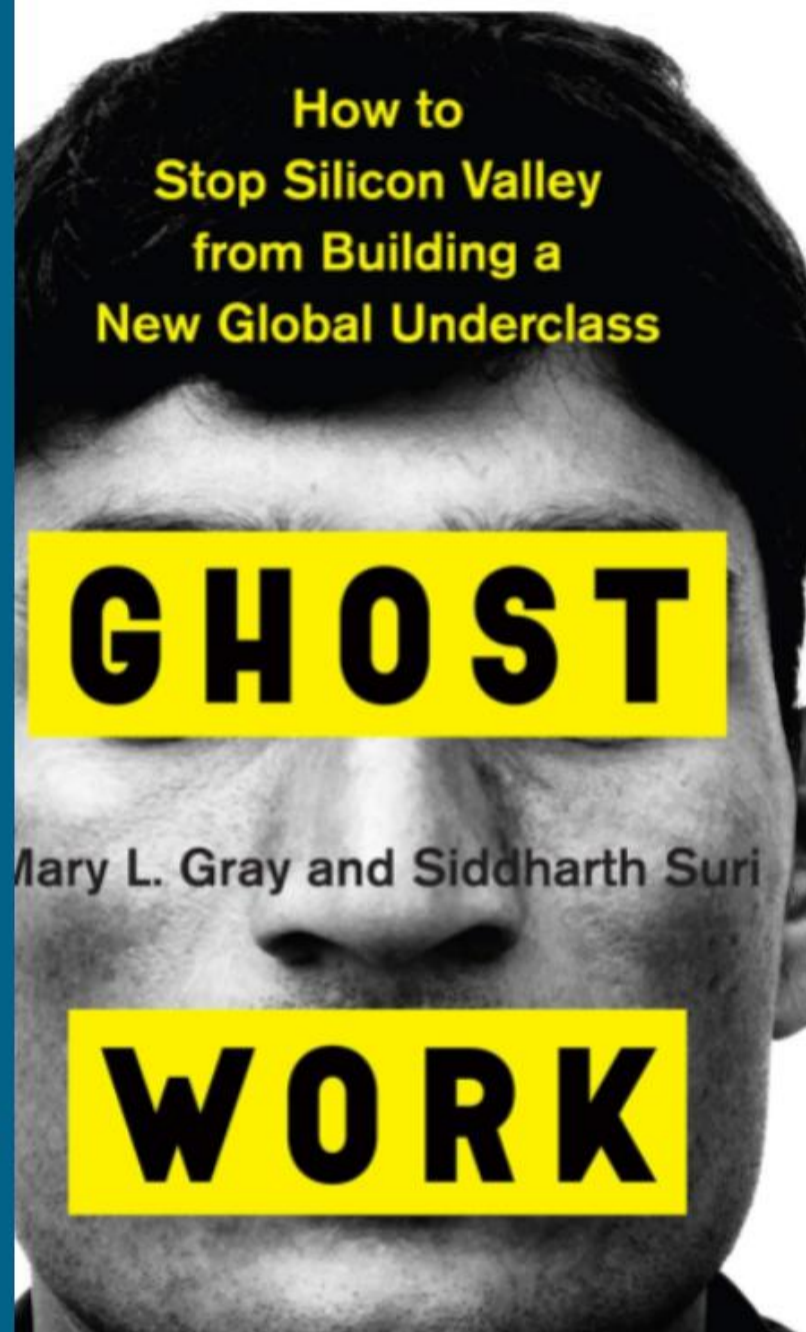
# AI IS NOT 'INTELLIGENT'

IN MANY OF THE WAYS THAT HUMANS ARE



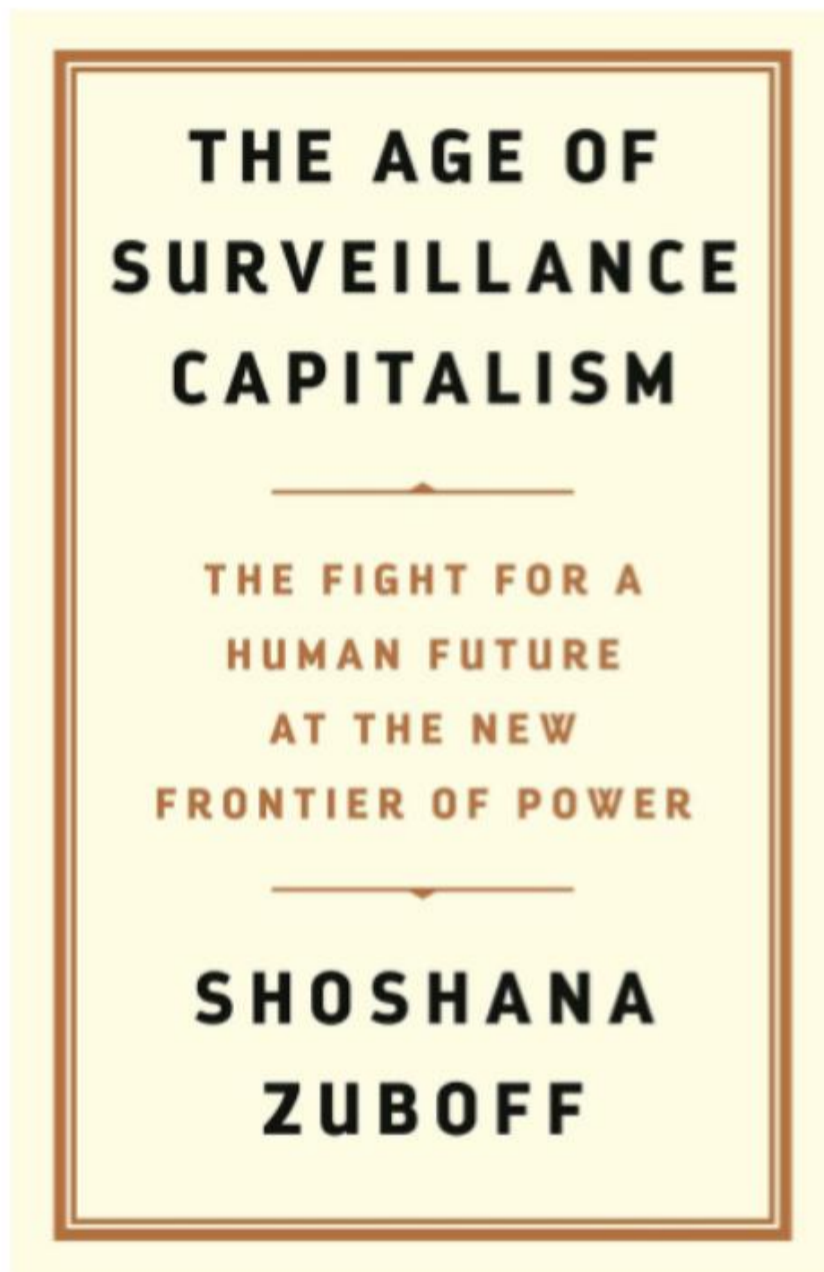
Even worse, AI adopts and magnifies human bias & prejudice; amplifying power and disproportionately disadvantaging already disempowered & marginalised peoples

AI functions smoothly thanks to the judgment and experience of a vast, invisible human labor force



# ETHICAL AI

1. Benefit humanity •
2. Protect privacy & security
3. Enhance our autonomy
4. Just & fair
5. Understandable (transparent & accountable)



**Pathways to ethical data practices**

**GOOD DATA**  
EDITED BY  
ANGELA DALY  
KATE DEVITT AND  
MONIQUE MANN

**Good and Smart Data**

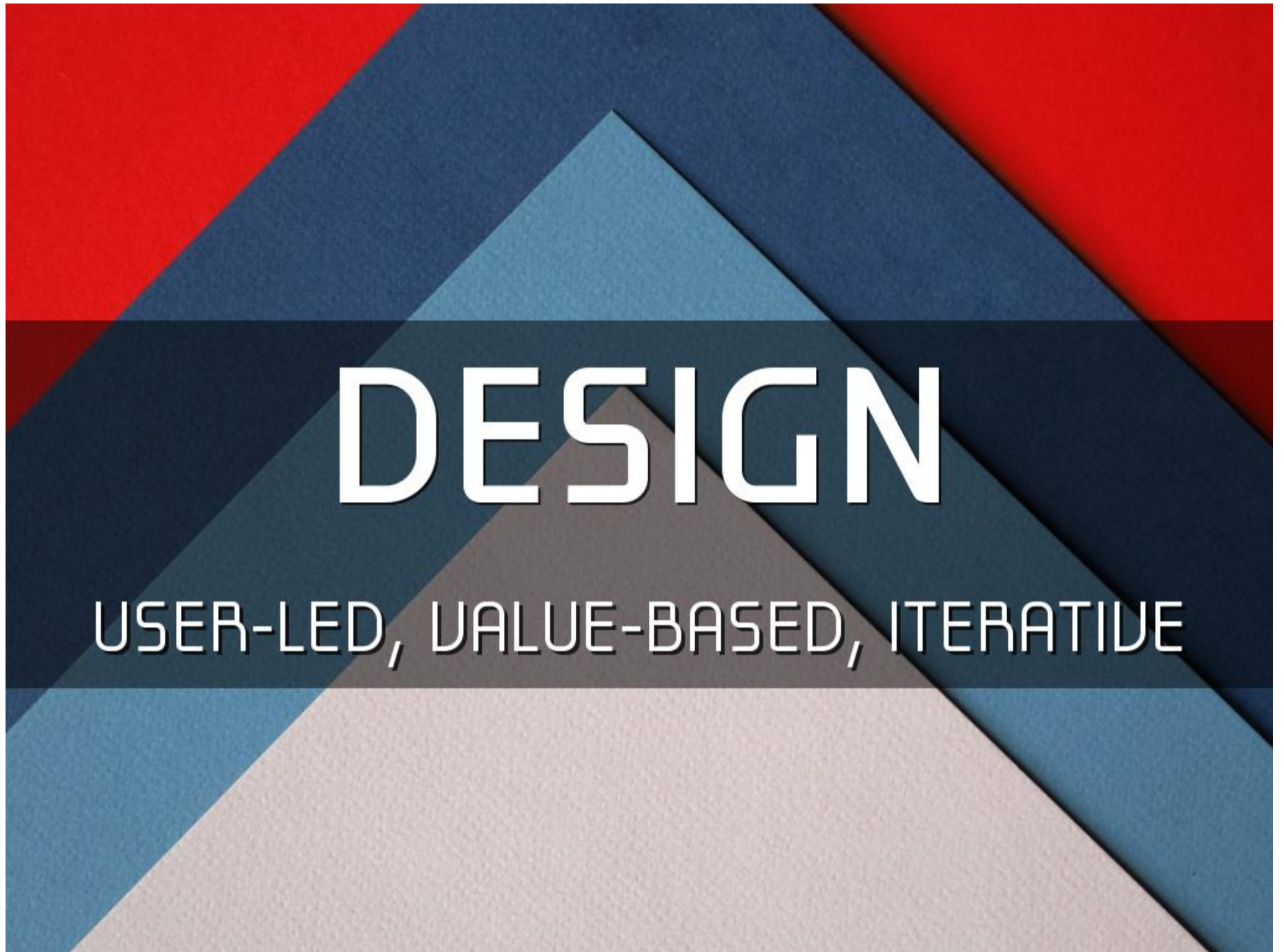
**Good Data Activism and Research**

**Good Data Manifestos and Practices**

**Good Data and Justice**

**Good Data as Open and Shared Data**

THEORY ON DEMAND  
A SERIES OF MANIFESTOS  
PUBLISHED BY THE  
NETWORK OF ARTISTS, CURATORS  
AND WRITERS  
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# SPECIFIC, RELEVANT, TARGETTED

