

## The Master

#### **Possible Positions**

- **X** Physicalism
- Conceptualism
  Nominalism (+ fictionalism)
- □ Platonism

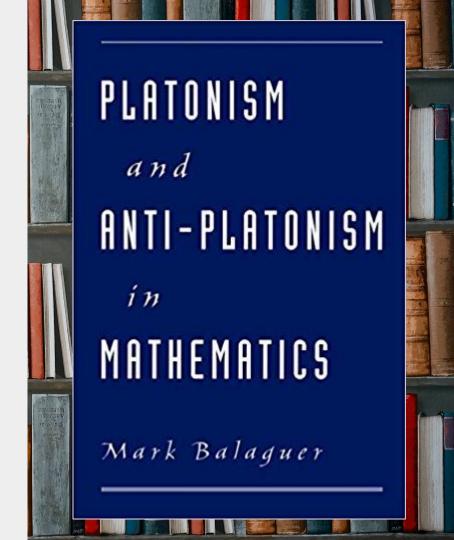
#### **Possible Positions**

#### **Platonism** is the view that:

- a. mathematical objects exist;
- b. they are non-physical, abstract objects that exist independently of the mind.

We can access these abstract objects through the use of reason.

For a full defense of Platonism and Nominalism/Fictionalism, see Balaguer (2001).

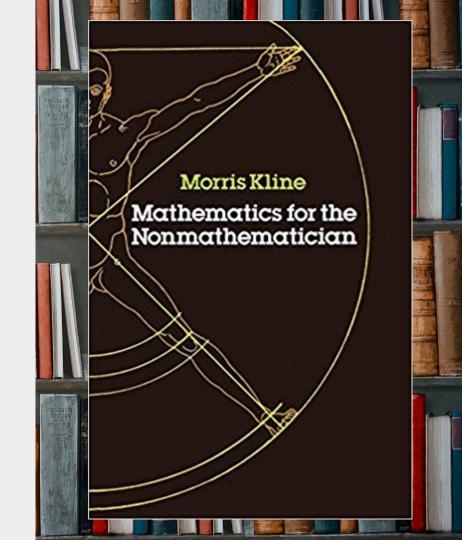


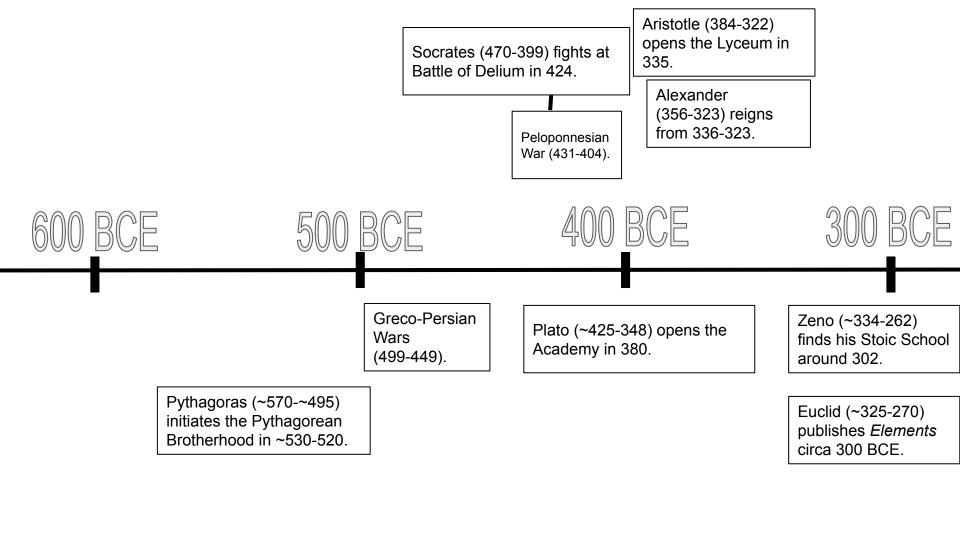
Plato is absolutely fascinated by mathematics.

He argues that through math we could come to understand the true nature of reality.

He believes mathematics is an integral part of the training of rulers.

He may have even been part of the quasi-religious sect of mathematicians headed by Pythagoras (see Kline 1967, 62-63).





# These very things that they [the mathematicians] model and draw, which also have their

own **shadows** and *images in water*,

they are now using as *images* in their turn, in an attempt to see

## THOSE THINGS THEMSELVES that one could not see

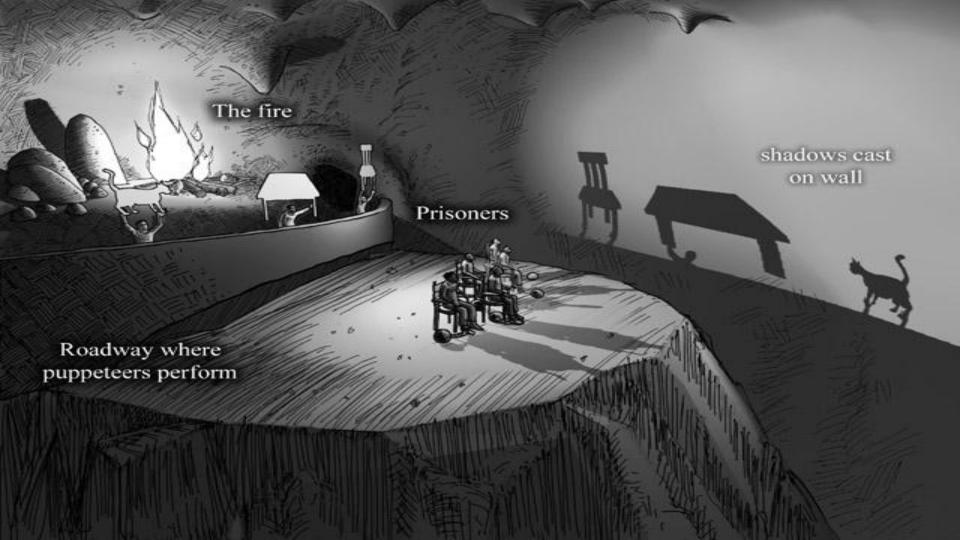
in any other way than by the power of THINKING.

(*The Republic*, 510e-511a).

#### **Plato's Theory of the Forms**

The Forms can be grasped by the mind, but they exist beyond our minds, in another realm.

They are the ultimate reality which our ordinary objects are based on, eg beautiful person is participating in the Form of Beauty.



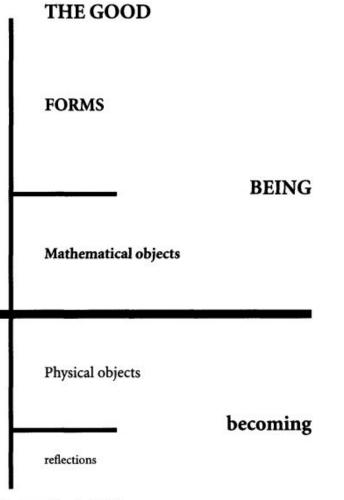
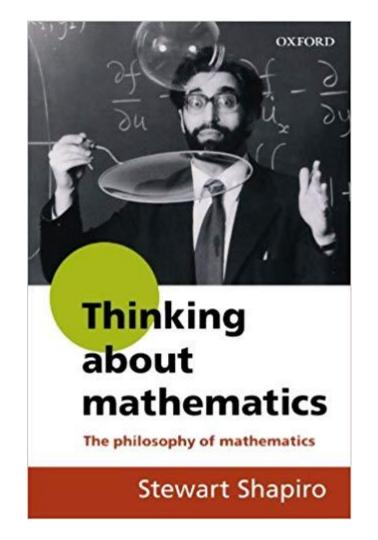
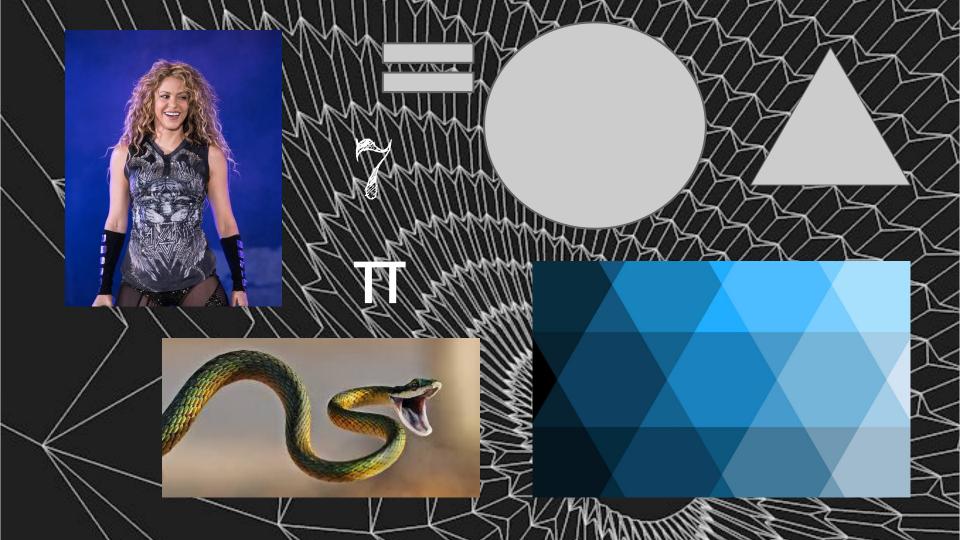


Fig. 3.1. The divided line





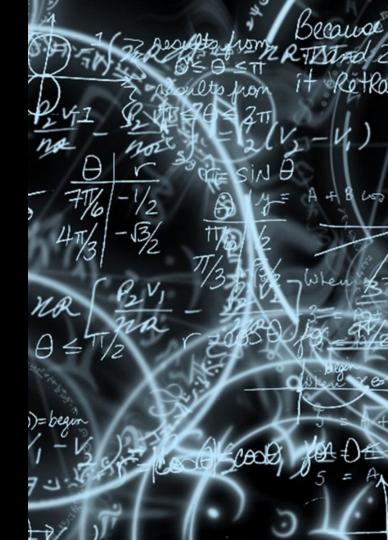
"Plato's fascination with mathematics may also be responsible for his distaste with the hypothetical and fallible Socratic methodology. Mathematics proceeds (or ought to proceed) via *proof*, not mere trial and error.

As Plato matures, Socratic method is gradually supplanted. In the Meno Plato uses geometric knowledge, and geometric demonstration, as the paradigm for all knowledge, including moral knowledge and metaphysics...

Plato finds things clear and straightforward when it comes to mathematics and mathematical knowledge, and he tries to extend the findings there to all of knowledge" (Shapiro 2001, 62-63).



"[Plato's mathematics] curriculum (Republic VII 521c-531c) is proposed as part of the education of future guardians of the state; it will occupy men from age twenty (537b-c) to thirty (537d)...

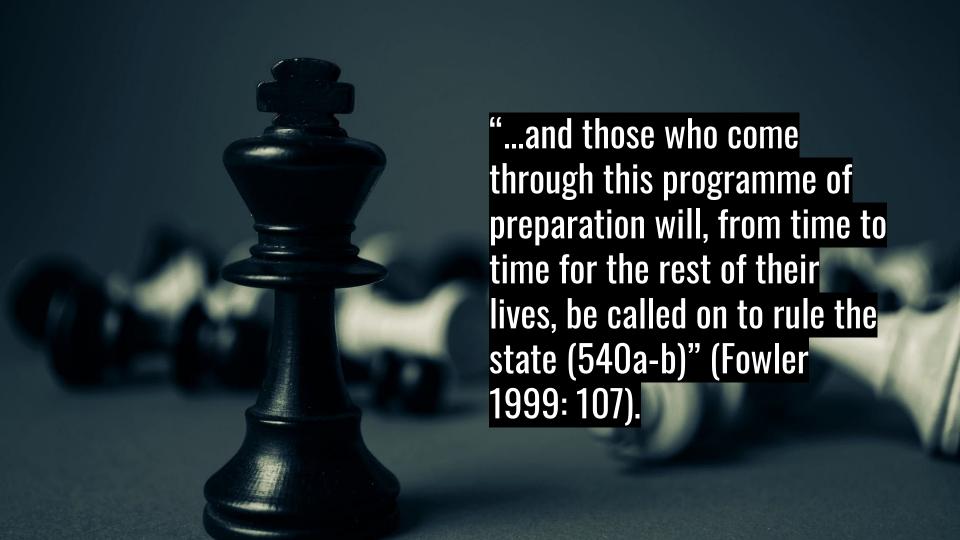




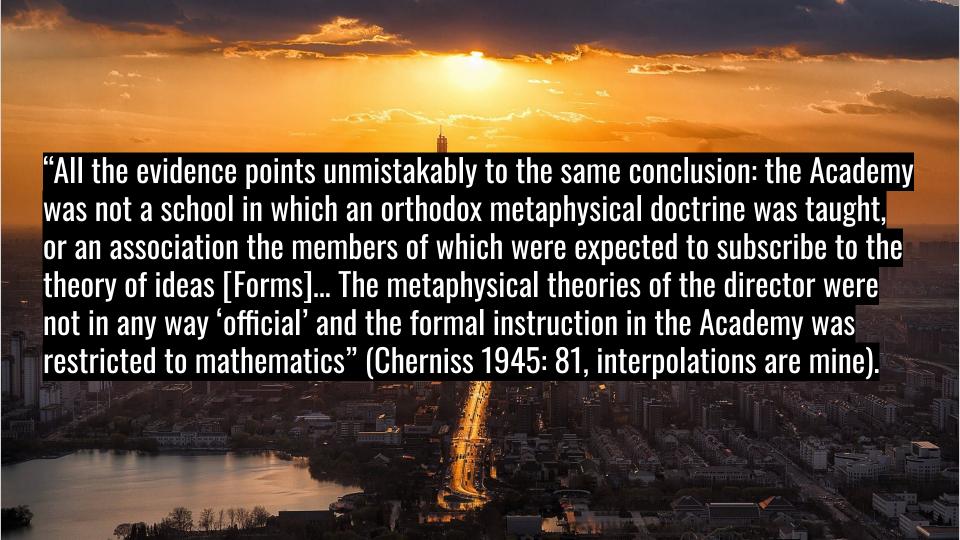
"It will be preceded by early training in childhood, imparted through play (536d-e), by sightseeing trips to the battlefield (537a), and by a two- or three-year break for gymnastics (537b), and only those who show promise will go on to study mathematics...

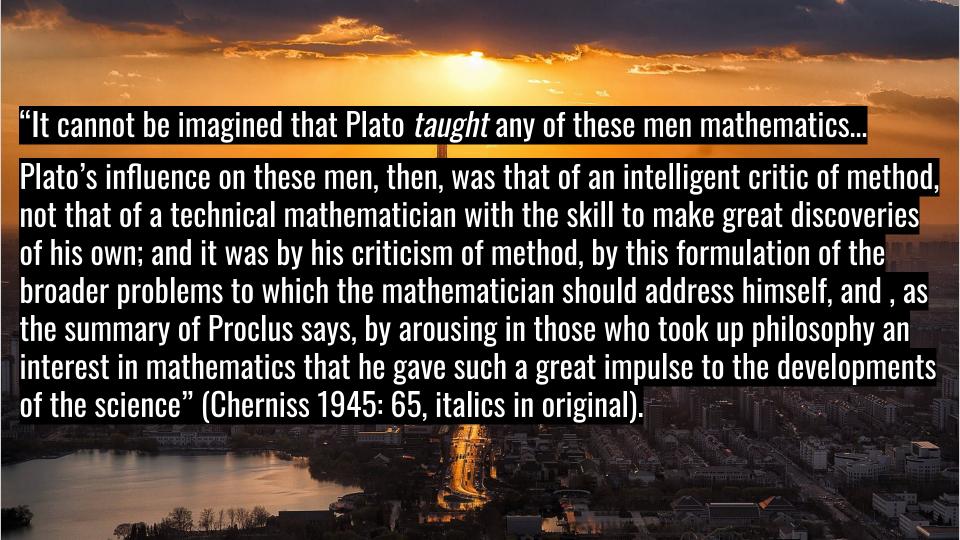
"At age thirty, and after a second selection, the students will pass on to a training in dialectic (537d-e) for five years (539e). They will the be compelled 'to hold commands in war and other offices suitable to youth' for a further fifteen years, up to the age of fifty (539e-40a)...





#### SDEBAR





#### Person of Interest: Plato



Occupation:

Philosopher

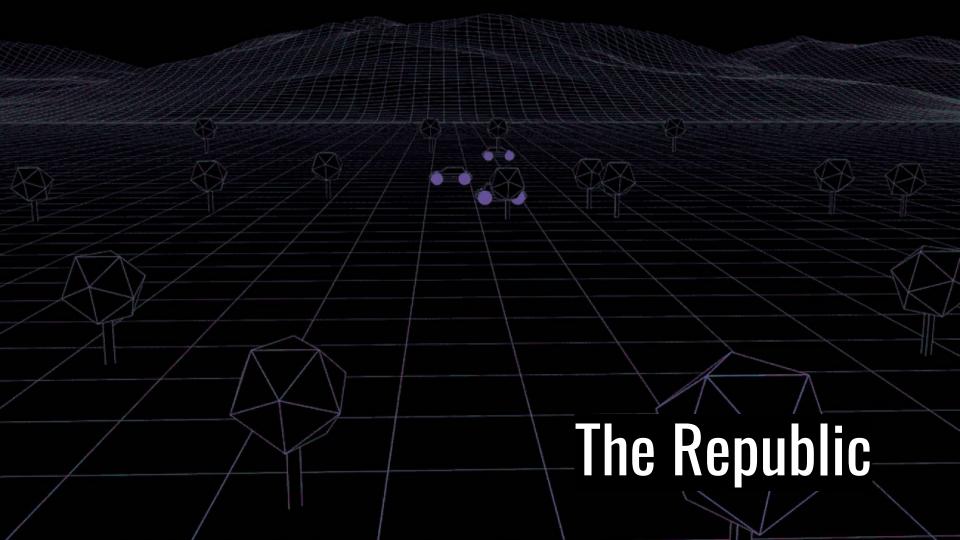
Known for:

Platonism
The Theory of Forms

Notable Work:

The Republic (~380 BCE)

# Question: Are we on the verge of a tyranny?



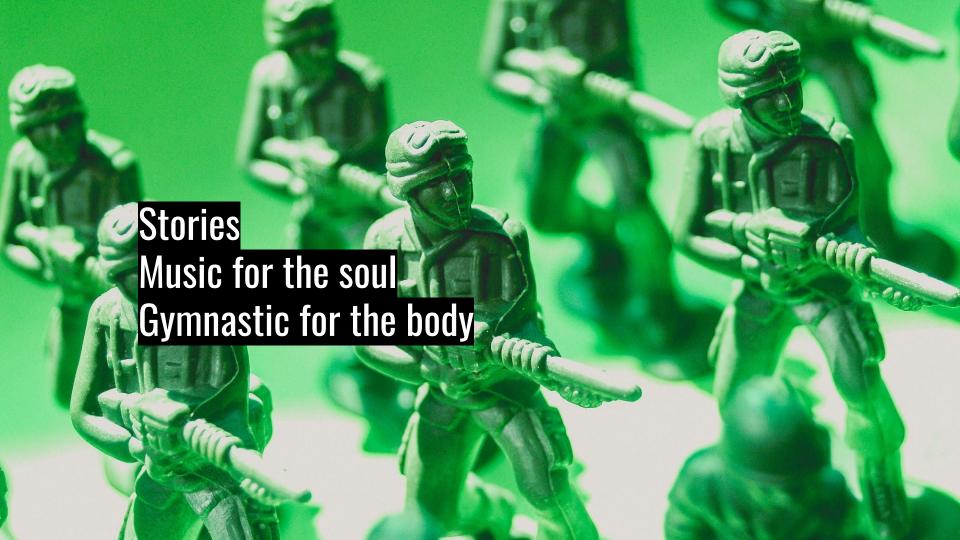


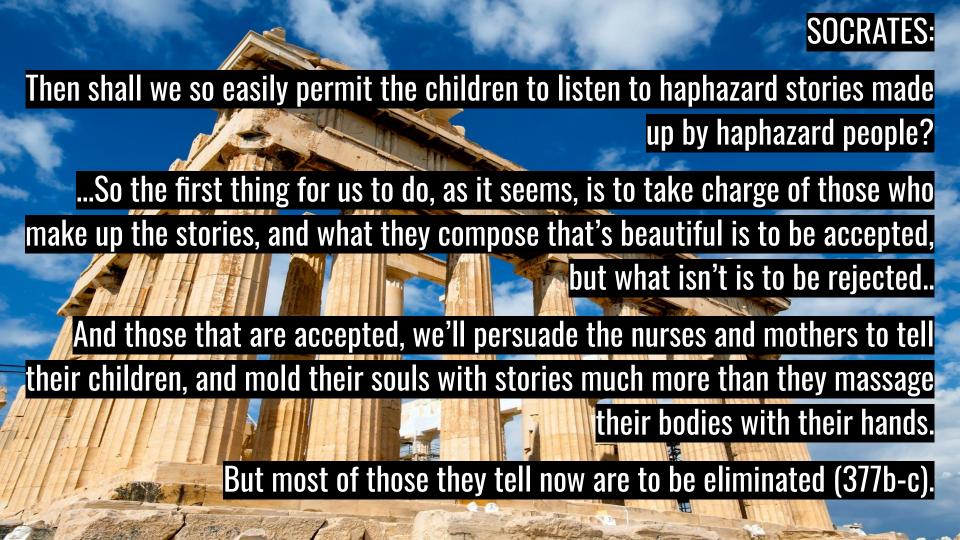
But then Glaucon (see <u>The Mind's I</u>) interjects saying that this is a "City of Pigs" full of those who are satisfied with the bare minimum...



### Question: <u>How shall we train the Auxiliaries?</u>









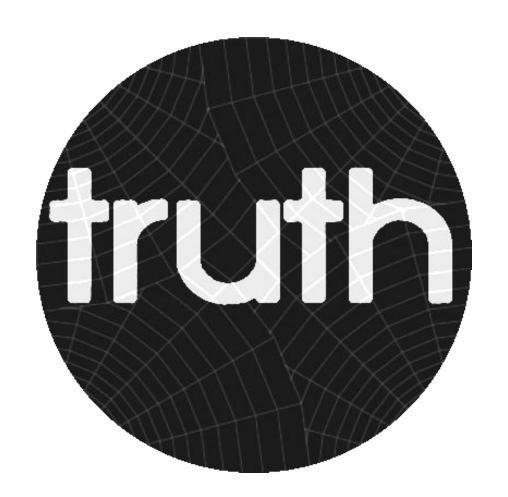
### Other things that ought be regulated...

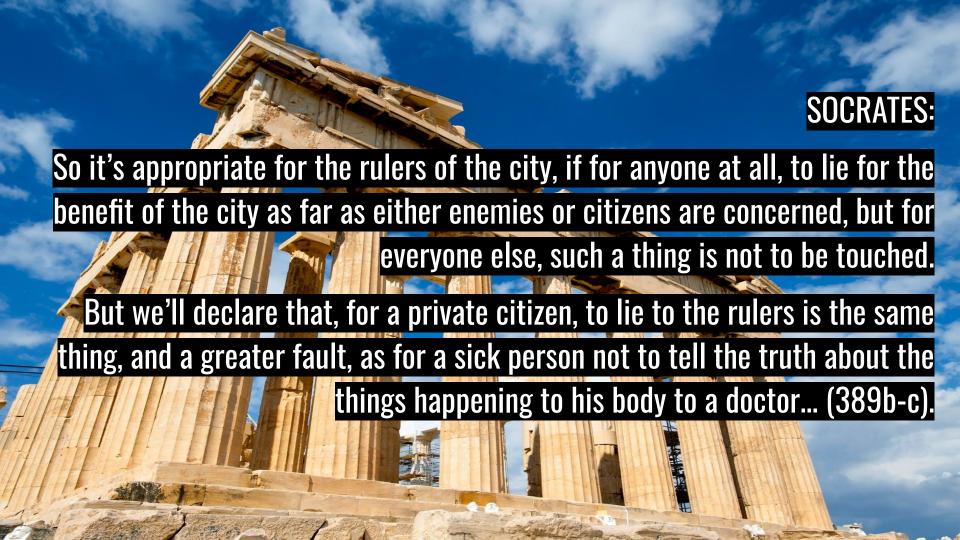










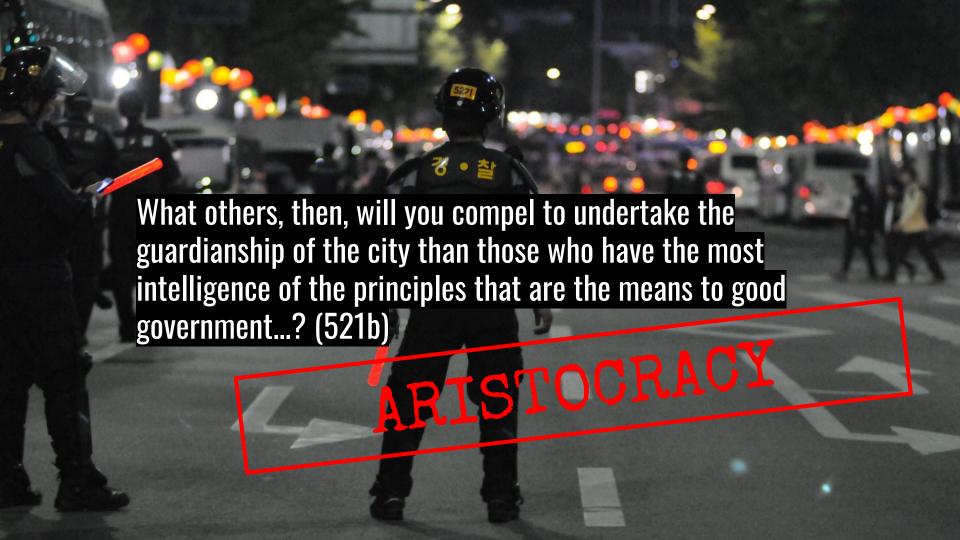


#### Plato's Political Theory



# Aristocracy

The best form of government, according to Plato, aristocracy is rule by the best; i.e., rule by those most knowledgeable on matters of governance.



# Timocracy

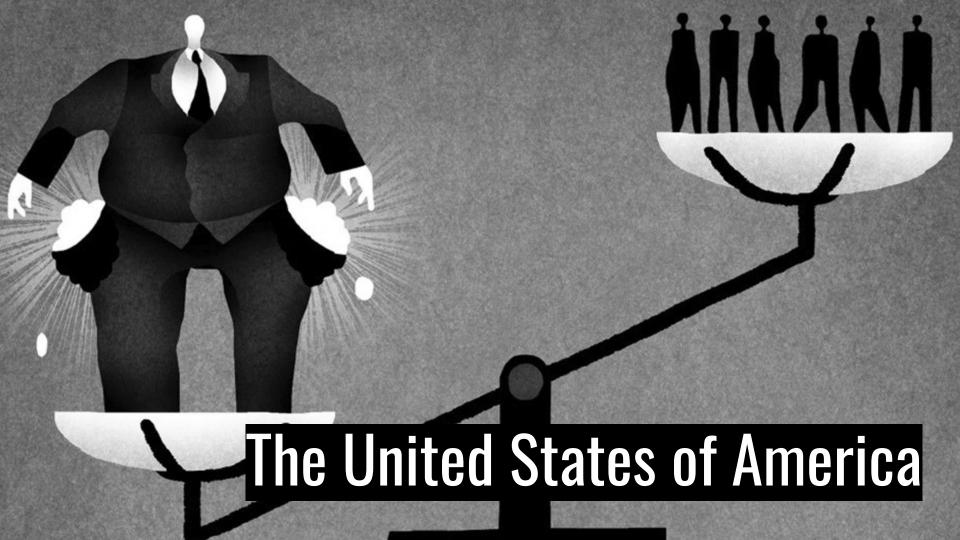
The fourth worst form of government, according to Plato, timocracy is rule by the military; i.e., rule by those most suited for war and other martial activities.

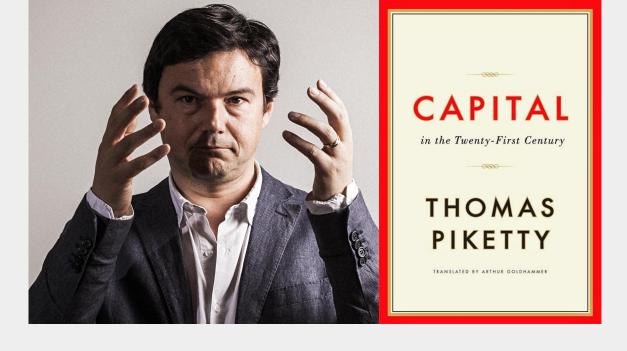




# Oligarchy

The third worst form of government, according to Plato, oligarchy is rule by the rich; i.e., rule by those who value money over all else, including virtue.





"In the United States... income from labor is about as unequally distributed as has ever been observed anywhere" (Piketty 2013: 257; emphasis added).



#### New Minimum Wage at

JP Morgan Chase: \$29,640 per year \$14.25/hr

Jamie Dimon's <u>Salary</u>: \$27 million per year \$13,500/hr

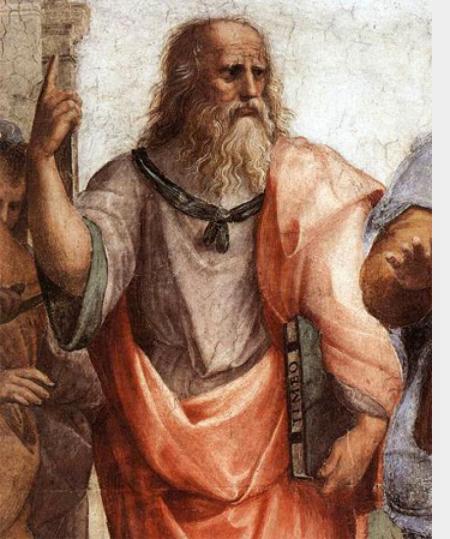
Time it takes Dimon to make the annual income of one of his lowest paid workers:

2 hours and 12 minutes



### Democracy

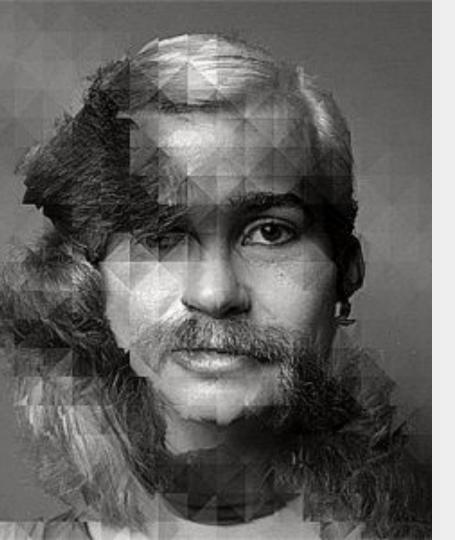
The second worst form of government, according to Plato, democracy is rule by all; i.e., rule by those who value freedom over all else.



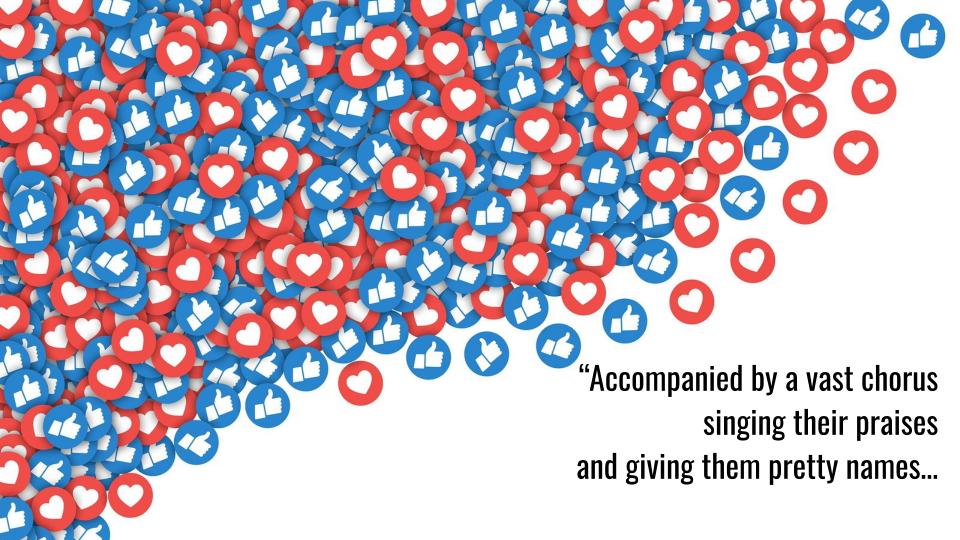
But for all Plato, freedom is also a form of slavery.

This is because the free person is free to do **anything**; they can indulge **every type of desire**.

This includes unnecessary and base desires.



This causes democratic people to be without moderation, proportion, and orderliness (see 560e).

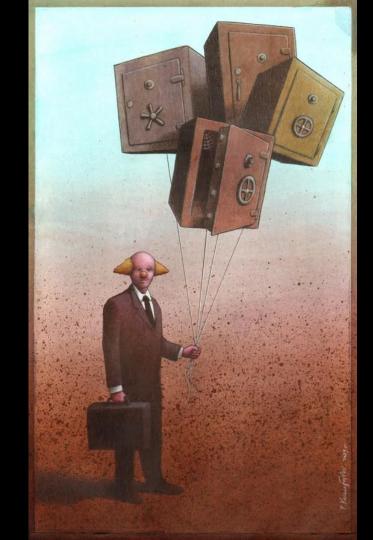








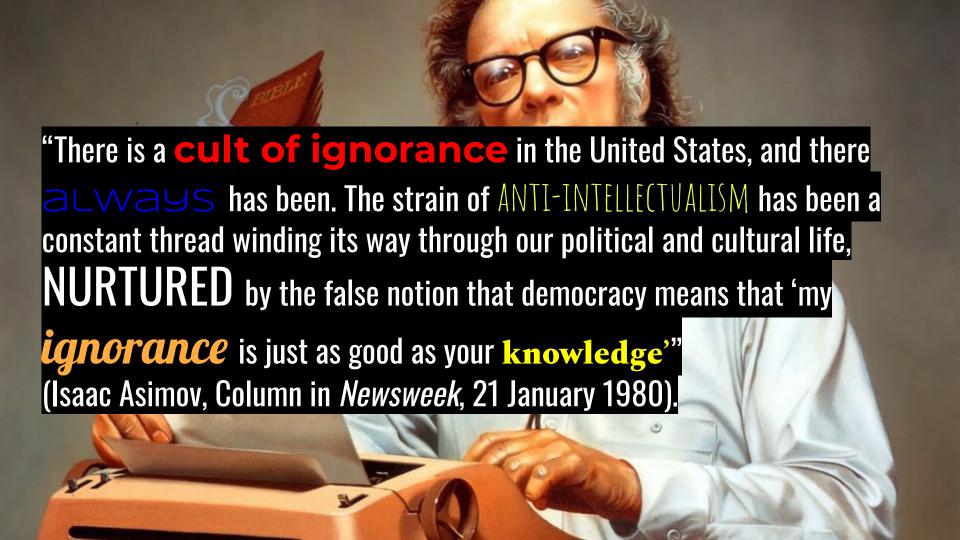
"...and shamelessness courage" (561a).







"If anyone says that some pleasures come from beautiful and good desires and others from worthless ones, and that one should engage in and honor the former but curb and enslave the latter, he shakes his head at all these things and insists all pleasures are alike and deserve to be honored equally" (561c).



"So he passes his life that way from day to day, gratifying the desire that turns up; at one time he gets drunk and has flute music played, but at another he drinks water and fasts; at one time he takes up gymnastic exercise, but there comes a time when he's lazy and lets it all slide, and then he spends his time as though he's engaged in philosophy...





"Often he gets interested in politics, and jumps up and says and does random things; then if he feels envious of any military men, he gets carried away with that, or if he feels that way about moneymakers, he's carried in that direction instead. There's no order or necessity present in his life, but he calls this way of living sweet, free, and blessed, and lives it throughout"

# **Tyranny**

The worst form of government, according to Plato, tyranny is rule by a single tyrant; i.e., since chaos has taken over all power is handed over to **one** person, with total control, in order to restore society.





Doesn't it happen the same too with anyone who's chosen leader of a people, when he gets an exceedingly tractable mob, and doesn't shy away from the blood of his own tribe, but makes unjust accusations, exactly the sort they tend to make, brings someone into court and stains it with blood?

Doesn't he hint at cancellations of debts and a redistribution of land?

So he turns out to be the one who starts the rebellion against those who have wealth...

(566a)







