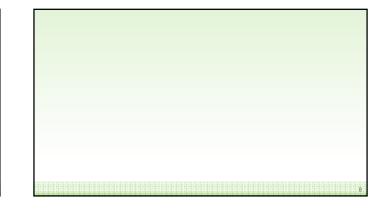




Back to fact and opinion

- Some contrasts that may be more useful than "fact" vs. "opinion"
 - · mere opinion vs. justified beliefs
 - Mere opinion: I think maybe the Earth is roughly round. Justified belief/knowledge; I think the Earth has a roughly round shape, as the evidence shows
 - · descriptive vs. prescriptive (value) judgements
 - ex. Factual judgment: Vegetables contain nutritious vitamins.
 Value judgment: Vegetables are good for you because they have vitamins.
- Can value judgments be based on facts?
 - · i.e., can they be justified beliefs, rather than mere opinions?

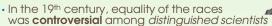


LECTURE 2: MORAL AND SCIENTIFIC CONTROVERSIES Material today 1. Fact, opinion, and controversy 2. A scientific/moral controversy 3. Frederick Douglass on slavery

Fact, opinion, and controversy

- Last time, we considered reasons people think morality is a matter of opinion:
- it is influenced by emotion
- its concepts are abstract and intangible
- people have strong disagreements about it
- But that's also true of the atomic theory controversy!
 - yet Boltzmann's atomic theory seemed to be more than an opinion, even when it wasn't widely accepted
 - · could moral judgments be more than mere opinion too?
- Q: How did the Baker reading tell a similar story?

A scientific/moral controversy



- e.g., Louis Agassiz (1807-1873) and anthropologists at *Harvard* taught that races evolved separately, some were inferior
- e.g., Franz Boas (1858-1942) fought an uphill battle to oppose this idea
- The question was also very abstract
- involved generalizing about whole races and their evolution in the distant past
- The controversy was also very emotional
- some scientists were terrified by members of other races, others by racial oppression

A scientific/moral controversy

- In the 19th century, equality of the races was controversial among distinguished scientists
- The question was also very abstract
- The controversy was also very emotional

Q: Was Boas' opposition to racist anthropology a mere opinion, rather than something based on facts?

- (A) Yes, anti-racist anthropology was a mere matter of opinion.(B) No, anti-racist anthropology was based on facts.
- Q: Why couldn't Boas' view be better than an opinion even if it wasn't widely accepted?



A scientific/moral controversy

- Boas did have reasons for his views:
 - ^{ag} African civilizations were smelting metal when Europeans were still in the stone age. This is best explained by the existence of social/environmental differences, not innate racial superiority.

 Therefore, there are social/environmental differences among the races, not innate biological superiority.

- And his views had moral implications:
 - (1) Africans are fully human beings.
 (2) Human beings have rights that should be respected.
 Therefore, Africans have rights that should be respected.
 - science helped show premise (1) is true
- but why should people have rights? is that a mere opinion, or is it justifiable?

