From (Artificial) Intelligence to (Artificial) Emotions

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Changing the subject?

Does (not?) the move from artificial intelligence to artificial emotions change 
*The Subject*?

A. from human to machine?
B. from emotion to behavior?
Computer science divides into two:

- Computer-centered: focused on the machine
- Human-centered: focused on utility to humans

emotions and computing: a new crossroads?

- Potential for scientific and technological innovation is huge
  while
- Contribution to humans is still largely obscure
What is missing?

Clear conceptual framework:

* A Theory of Emotion

The Question:

- What is emotion?
- Is emotion *subjective* or *objective*?
No theory?  
New theory?

• Proceeding with no grounded theory means proceeding on no-grounds

• No-grounds turn into new-grounds

Is new/no-theory changing the subject?

• The subject of emotion  
  From human to machine

• The subject of research  
  From emotion to behavior
BUT

• Do we want to change the subject?
  Do we think such change:
  Necessary? Well-grounded? Justified?

OR

Is it imposed on us by the wish to apply
emotions to computers NOW!

Some Ethical Concerns

• Ethos distinguished from Mores:

  Ethos:
  The character, dispositions, and values
  distinctive of a person, people, or culture

  Hence, ethos must precede mores
Computer recognition and response to emotions

- Assuming that computers are *not* subjects, computer recognition and response to the emotions of others must be the limit. (i.e., leaving out possession and experience of emotions)

- Once computers are [made!] subjects, the very nature of the problem will alter.

Possible applications


- Systems that know your preferences
- Systems that recognize, and respond to your mental state
- Affective mirrors
- Classroom barometers
- Sensitive toys
Computer recognition and response to… what?

- Emotion? Mood? Feeling?

Recognition? ➔ Response!

- Not being itself emotionally capable, a system *must* respond upon recognition!

Conclusion

- Can emotions die?

- Losses and gains: can we help it? determining and balancing our losses

- *Brave* new world?