HRI Reading Group
@ Instituto Superior Técnico

Meeting #12 (8 Jun 2018)

Welcome!

Hypotheses	Results
Hypothesis 1: Chinese as compared with US participants will see the robot as more of an ingroup member, as more credible, as sharing more common ground, and as more trustworthy when it communicates implicitly vs. explicitly.	mixed support
Hypothesis 2: Chinese as compared with US participants will change their decisions to align with the robot's advice more when the robot communicates implicitly vs. explicitly and this relationship will be mediated by trust of the robot.	supported
Hypothesis 3: Chinese as compared with US participants will have more negative attitudes toward robots.	supported
Hypothesis 4: Chinese as compared with US participants will change their decisions to align with the robot's advice less and this relationship will be mediated by their attitude toward the robot.	not supported

- Implicit vs. Explicit manipulation seems to be here more related to vagueness instead of saving face, for example.
- Ambiguity between in-group, common ground, trust, ...

Topic	Implicit Response	Explicit Response
Plot Size	A bigger area allows some grass in a chicken's diet, which can make chickens healthier and increase egg production.	I think we should choose 75 square meters because having some grass in a chicken's diet makes chickens healthier and increases egg production
Lighting	Artificial light may be an option since it will help to maintain egg production.	Artificial light will help to maintain egg production, so it is a better choice.

Culture

"(...) a fuzzy set of attitudes, beliefs, and behavioural norms, and basic assumptions and values that are shared by a group of people, and that influence each member's behaviour and his/her interpretations of the 'meaning' of other people's behaviour."

- Emotional expression (e.g., shame)
- Emotions (recognition)
  - Might also depend on group-size
- Use of interpersonal space
- Gaze and touch
- Social constructs such as gender
- Physical appearance

Attitude-based differences (bias towards robots)

Values-based differences

Human Perception Side	Robot Adaptation	Human Perception Side	Robot Adaptation
Trust towards robot	Ensure mechanisms for gaining trust are there	Emotional expression	Facial, verbal, non-verbal expression
Appearance	Visual cues (e.g., colors)	Appearance	Visual cues (e.g., colors)
First impression	Initial contact should be carefully considered	Gaze and other NVB	
		Proxemics + touching	

What should be considered in your scenario?

- Would the perception of group-based emotions be the same in more individualistic cultures?
- Facial expression and colors of astro in the inside project
- The way you assess/measure cultural background
- Cross-cultural scenario and characters in the co-creation of a story
- Sustaining engagement techniques

Who is bringing the refreshment next week?

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Meeting #13 (**15 June** 2018)