



Crowd emotion: reading emotional expressions from crowds of faces

The effects of crowd gender, viewers' anxiety, and task demands

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Reading the overall emotion of crowds







Social behavior

Avoid?



Approach?



- This ability varies across individuals.
- Our question: how we extract crowd emotion from groups of faces and why are we doing this differently?

Avoid?



Approach?



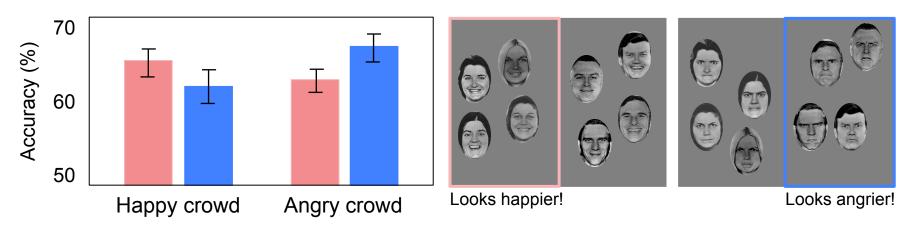




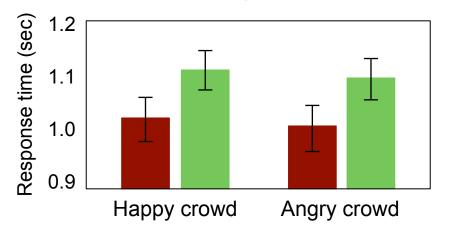


Effects of face gender and viewers' anxiety

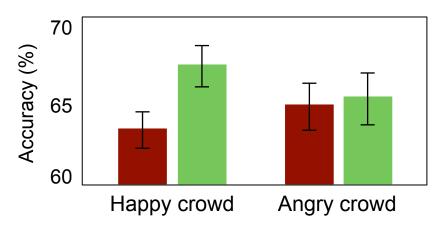
Happy female crowds and angry male crowds were identified more accurately.



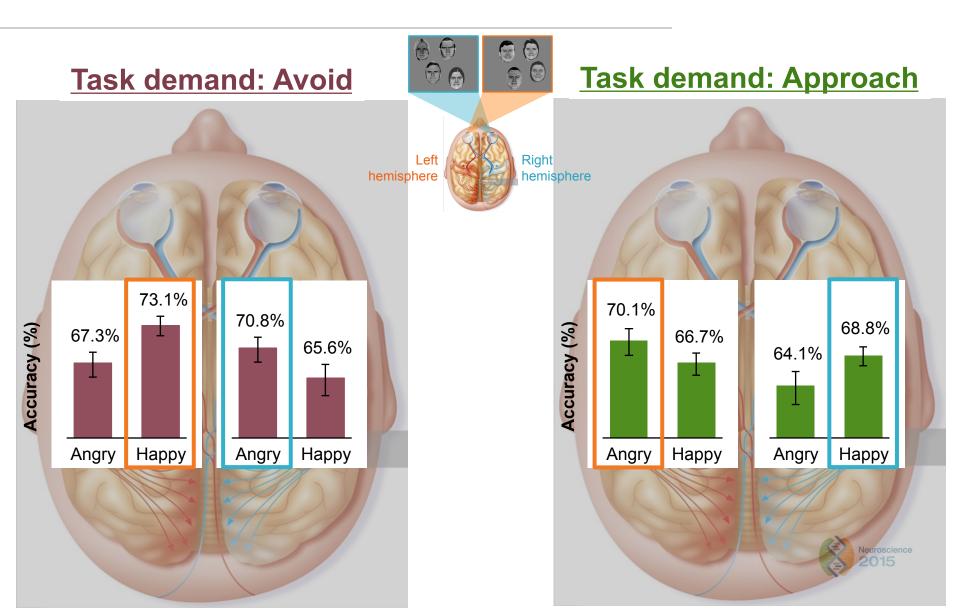
High-anxiety individuals responded faster than low-anxiety individuals.



High-anxiety individuals made more errors for happy crowds (not for angry crowds)



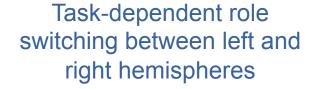
Roles of left and right hemispheres depend on task demand

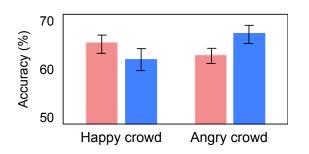


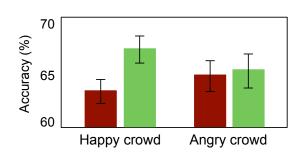
The human brain quickly extracts crowd emotion

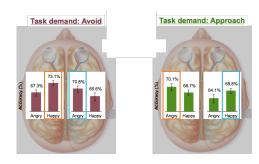
Higher accuracy for happy female crowds and angry male crowds

High-anxiety people: faster reaction overall, but more errors for happy crowds











More results and details about this study:

Talk session: Emotional Processing and Regulation (Location: N228, 10/20/2015, Time: 3:15pm-3:30pm)

Title: The integrative process of reading emotional expressions from a crowd of faces