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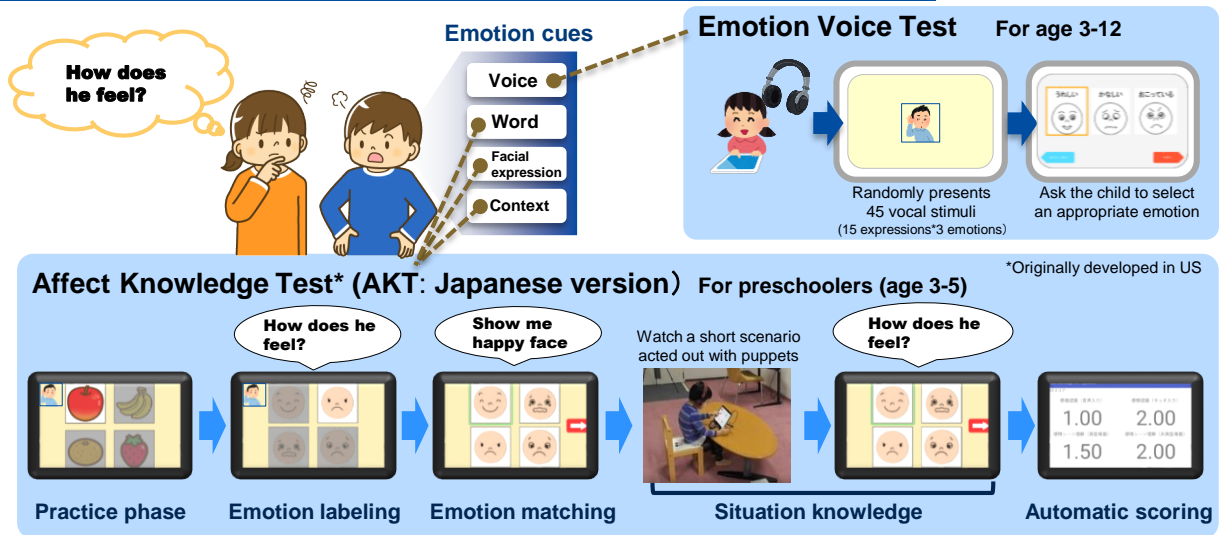
Assessing children's emotional development

Investigating developmental changes via multiple cues

Abstract

Understanding one's own and others' emotions is an essential skill in interpersonal communication. To investigate the development of emotion understanding in children, we computerized the Affect Knowledge Test (Japanese version) and developed an emotion voice test. These assessment tools allow us to **examine how children perceive and process multiple emotion cues and to objectively quantify their development**. Compared to the traditional method in which only trained experimenters can administer assessments to children, the computerized tests made it possible to assess children's emotion understanding in any setting without experts. Using the tests, researchers as well as teachers would be able to detect children with developmental delays and those who struggle with interpersonal communication, and to find which emotional cue is difficult for them to perceive. Obtaining this information would allow us to develop an appropriate intervention to facilitate their development.

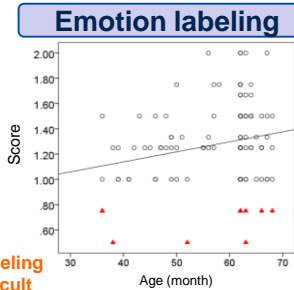
Developing assessment tools for children's emotion understanding



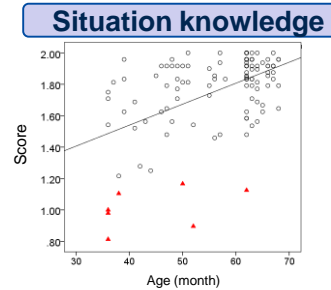
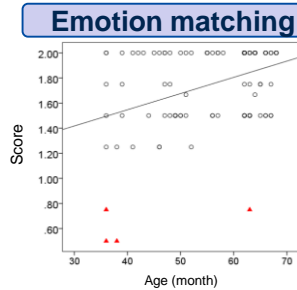
Emotion development in 3-5 years old

Participants: 116 Japanese 3 to 5-year-olds (65 boys)

○ Typically developing children
▲ Developmentally delayed children
Can detect children with developmental delays



Emotion labeling is more difficult than other tasks



References

- [1] N. Watanabe, S. A. Denham, N. M. Jones, T. Kobayashi, H. H. Bassett, D. E. Ferrier, "Working toward cross-cultural adaptation: Preliminary psychometric evaluation of the Affect Knowledge Test in Japanese preschoolers," *SAGE Open*, 2019.
- [2] N. Watanabe, T. Kobayashi, "Computerization of an emotion knowledge assessment for preschoolers: Supporting their school readiness," *Proc. International School Psychology Association 41st Annual Conference*, 2019.

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