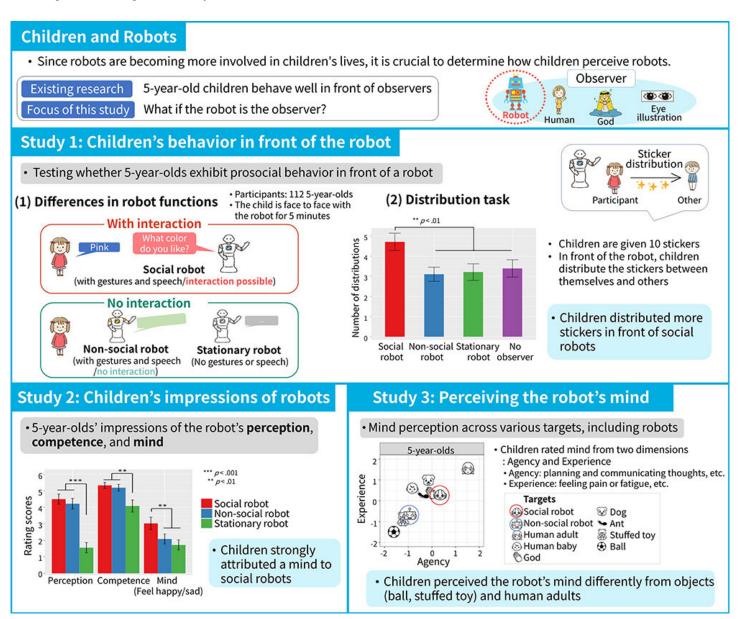
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Children behave well in front of a social robot

Abstract

As robots become more integrated into children's lives, understanding how children perceive and interact with robots is vital for applying such technologies in early childhood education. This study examined whether 5-year-olds exhibit prosocial behavior in the presence of a robot, and whether prior interaction with the robot influences their behavior. In the experiment, after a session with a robot, 5-year-olds were given stickers and asked to divide them between themselves and another person. We found that children who interacted with a social robot distributed more stickers in the presence of that robot, demonstrating more prosocial behavior. Furthermore, children were more likely to perceive the interactive social robot as having a mind, compared to non-interactive robots. These findings will contribute to the design of social robots as learning companions that support children's development, providing valuable insights into early childhood education.



References

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