
Federico Manzi (Catholic University of the Sacred Heart, Milan), Cinzia Di Dio (Catholic University of the Sacred Heart, Milan), Davide Massaro (Catholic University of the Sacred Heart, Milan), Shoji Itakura (Kyoto University), Takayuki Kanda (Kyoto University), Hiroshi Ishiguro (Osaka University), Antonella Marchetti (Catholic University of the Sacred Heart, Milan)

Studies on moral development in pre-schoolers classically involve a human character as violator of moral norms (Arsenio and Lover, 1995; Kim et al., 2016; Malti et al., 2016; Turiel, 2015). No studies have ever analysed the situation in which the violator is a robotic agent, although growing empirical and theoretical evidence shows that robotic agents can be perceived as social partners in the child-robot interaction (Di Dio et al., 2018; Manzi et al., 2017; Marchetti et al., 2018). Investigating moral judgment to a moral transgression through use of the Happy Victorimeter Task, as well as its effects on prosocial behaviour measured by means of the Dictator Game (DG), Gummerum et al. (2010) showed that children’s emotion attribution to a human victimizer can predict children’s altruistic behaviour (see also, Krettenauer et al., 2008). On the basis of this study, which underlines children’s sensitivity to violations of moral norms by a human partner, a recent study (Manzi et al., 2019) was aimed at replicating the effects observed in Gummerum et al. in Japanese pre-schoolers aged 5 years. Crucially, this study involved, besides a child victimizer (CV), a robot victimizer (RV). The victimizer’s agency effect on the children’s evaluation of moral transgressions and on children’s altruistic behaviour was investigated. The results on the DG showed no differences in children’s altruistic behaviour toward another human as a function of the victimizer’s agency. Nevertheless, children found it more difficult to attribute emotions to RV when breaking the norm with respect to CV. These results indicate that, although there was a tendency in children to distinguish the victimizers’ emotional engagement when violating norms, the human and the robot still possibly represented for children similar moral entities – at least within this experimental frame –, as shown by the lack of differences in children’ altruistic behaviour.

References

