Interpret the results and discuss their implications in relation to the research question or hypothesis.

The present experiment showed that there exists a disassociation between the explicit agency judgment and the implicit IB measures. IB is more linked to the sensorimotor process than agency judgment. The IB effect occurred only when participants were paired with human beings. Participants’ agency judgment was higher when they initiated joint action than when they followed it.

Compare your findings to previous research in the field and highlight any similarities or differences.

Comparing the three earlier articles, we listed their similarities and differences. As you can see from this table, for example, the first and this paper both reported a lack of correlation between the agency judgment and IB measure.

Also, we can see that the first and third papers both have some shortcomings, such as not giving clear points of difference and not identifying the initiators and followers. In this study, the authors did some work to bridge the gaps. In addition, the method of the second article is different from this research.

Discuss the limitations of the study and potential sources of error.

However, there are some limitations. First, participants didn’t know the existence of underlying neurocognitive processes that were associated with IB and were sensitive to robots. Second, the delay, like the participants' hesitation due to the workload, wasn’t regarded as an effect. Third, it is hard for participants to balance the initiator role with the robot partners. All of the above circumstances can have an impact on the outcomes.

Consider the broader implications of the research and its relevance for future studies.

Nevertheless, this article still contributes to future research by suggesting the following points to aid in subsequent research:

The kinesthetic negotiation between co-actors is essential in forming a joint intention that will enable IB.

Followers could take an active part in the decision process.

Suggest areas for further research or exploration.

解释什么是top-down method 和bottom-up approach