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Exploring the Dynamics of Dyadic Communication and Performance in Acting Training

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Abstract

This study delves into the dynamics of dyadic communication within a predefined acting scenario by analyzing how the utterance and behavior of paired participants change over time and influence each other. Assigned specific roles and objectives within this preset context, participants focus on and verbalize each other's actions. Prior research, which compared verbal characteristics between professional actors and novices, underlines the importance of shifting focus from self to partner in attaining naturalistic performances, referring to authentic communication in an acting setting. The present study incorporates pose estimation into the video analysis of acting training, assessing behavioral dynamics in a natural state. By extracting the correlations in movement changes of the paired participants during role-playing, the dynamic process of interaction in a specific context is traced, elucidating how natural performances develop through intensive mutual attention and interaction. Additionally, examining concurrent changes in utterance provides insights into the reasons behind behavioral changes. Overall, this research not only sheds light on the nuances of performing arts training but also makes a contribution to the broader understanding of action patterns and communication dynamics within specific social roles and interactions.