Exploring User Social Interaction and Experience in Multiplayer Board Games: A Comprehensive Study of Monopoly of different formats

Study 7 Eye tracking



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Abstract

This Project aims to explore how different forms of multiplayer board game Monopoly affect users' social interactions and gaming experience during and after the game. Based on the types and characteristics of multiplayer board games, three forms of Monopoly games - physical, iPad, and computer - were ultimately chosen as the material for this experiment. 51 participants aged between 18 and 25 were subjected to three separate rounds of Study testing.

Introduction&Background

This project conducted three studies to investigate the theme. **Study1** is to use Eye-tracking equipment to investigate the differences in users' visual attention in three different forms of the Monopoly game; Study 2 is a computerized group of three forms based on and then adding two communication tools. Users were scaled after completing the Monopoly game in five control groups, as board games are now not limited to tabletop games but also to many forms of video games, all of which have unique and indispensable characteristics.; Study3 adopts the Interview method to investigate the users' feelings during the game and the interpersonal interaction after the match. Users' social interactions were examined throughout this project, not only because social interactions largely explain the enjoyment of games (Cole, H., & Griffiths, M. D, 2007) but also because social interactions and support benefits people's mental health and well-being.

Research Question:

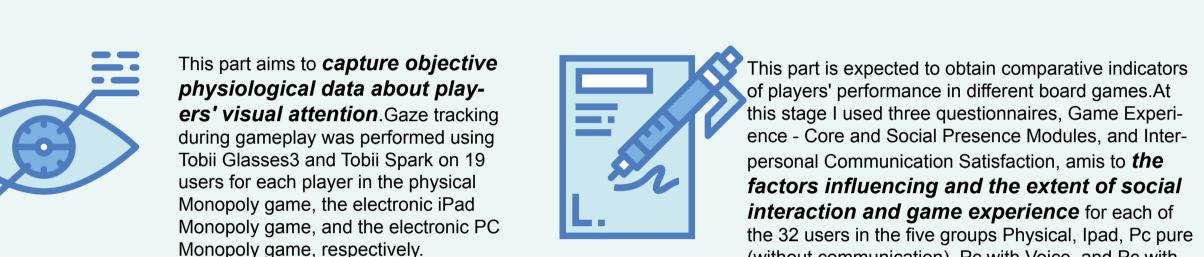
R1: Are there differences in players' visual attention and interaction patterns in different forms of Monopoly games? And how do they differ? **R2:** What factors influence the social interaction and gaming experience of users of different forms of Monopoly games? And how do they influence? R3: How does understanding how players feel during a Monopoly game and does it affect subsequent interpersonal interactions?

This study fills the research gap for different forms of social interaction and gameplay experience of a multiplayer board game, providing valuable insights for designers and researchers of video and physical games or hybrid games to their better understanding and optimization of players' social and gameplay experience in the game.

Study Methodology&Testing

Considering that social interaction and gaming experience are multidimensional concepts and that a single research method may be limited, this study adopts a mixed research method. This method not only helps to provide a more comprehensive research perspective but also ensures that the investigation has both quantitative support and in-depth qualitative explanations.

Study 2 Questionnaire

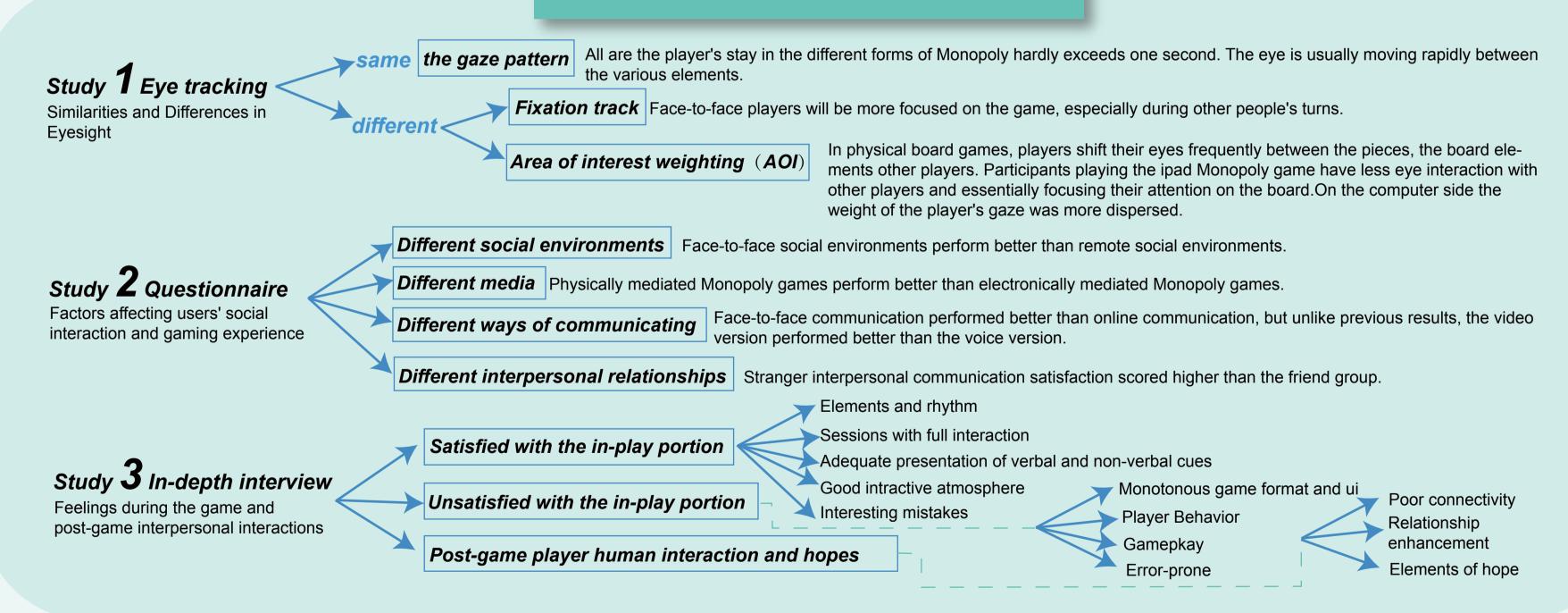


(without communication), Pc with Voice, and Pc with

This part will explore players' inner feelings and actual interactions after the **game**.A total of five participants from studv2 were selected for in-depth interviews

Study **3** In-depth interview

Research Results



Conclusion&Future Work



This study adopted a *mixed research method* to examine the social interaction and game experience of players of the case Monopoly game in many aspects, which is of some value. However, this study also has some limitations, especially because the sample is more limited and the sample size is small. In future research on multiplayer board games, a multi-sample data study will be of more excellent value to the entire research direction, and at the same time, increase the study of experimental materials, and the comparison of the materials of multiple multiple multiplayer board games will improve the data and produce value for this research direction from more perspectives.