

ホットハンドの誤信に基づく予測は繰り返されない
Prediction based on hot hand fallacy doesn't repeat match

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[Abstract]

In sports, when independent events occurred consecutively, estimating the probability excessively is called hot hand fallacy (e.g., basketball shot). It has been pointed out that athletes and directors familiar with sports believe in hot hand fallacy (e.g., Gilovich, Vallone, & Tversky, 1985). Hot hand fallacy is regarded as misrecognition of randomness because there is bias also in judgment of non-experienced person. In this research, we aimed to investigate whether misrecognition of randomness appears depending on success or failure of participants' own prediction. In the experiment, we presented basketball free throwing events, field goal events and football penalty kicking events video games, and asked participants to predict success probability twice. As a result of ANOVA, participants who answered high success probability in response 1 answered significantly lower success probability in response 2. On the other hand, participants who answered low success probability in response 1 answered significantly higher success probability in answer 2 prediction. This result was accepted regardless of the event or the conditions of participants, therefore, it was suggested that the judgment based on hot hand fallacy is not repeated.

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