

# Review of: "A trial-dependent N-player game"

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**Potential competing interests:** No potential competing interests to declare.

The manuscript studies an N-player game with a stopping rule that the number of trials first reaches the minimum of the initial budget. It derives exact expressions of the expected fortune and variance of the distribution for both symmetric and asymmetric cases.

It is better that the references appear in the manuscript following their number in order.

In the last second paragraph of section 1, the research of this manuscript should be stated in more details, e.g., on the main concern/challenge, the motivation, or the contribution, which can help the reader to understand the idea of the work.

The introduction of random walk  $\theta_\alpha$  doesn't work in the manuscript.

The numerical investigation should provide more details about the number of experiments, the parameter ( $\alpha$ ) setting. The results of Table 1 and Table 2 should provide the comparison of the theoretical and numerical results. Besides, as the corollaries 1.1-1.2 and 2.1-2.2 are proved to be correct, what is the value of conducting further numerical research?