Review of: "Decoding Social Systems: Agent-Based Modeling in Understanding Tourism Dynamics, with a Case Study on Phu Quoc Island"

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Potential competing interests: No potential competing interests to declare.

Your presentation explores information modeling methods in the field of social sciences, with a specific focus on "Agent-based Modeling" (ABM). ABM involves the detailed observation and analysis of computer entities called "agents" in experimental simulations. The research emphasizes the application of ABM to study complex phenomena, using tourism activities on Phu Quoc Island as an example. By scrutinizing the behavior of these agents, the study aims to enhance decision-making precision and quantify various aspects. Through simulations, cause-and-effect relationships can be identified, allowing for the testing of multiple scenarios and validation of initial hypotheses.

The detailed comments are as follows:

1. I suggest a further description of the motivation of the article; the current one is weak.
2. The paper does not provide a detailed introduction to the model, including a description using mathematical language.
3. It is recommended to introduce the flaws of the article and possible future research directions.
4. Agent-based simulation is widely used in many fields, such as finance. It is recommended to introduce relevant literature to facilitate readers' understanding of the novelty of your article. I recommend the authors to consult the following survey or empirical papers to contextualize your findings. This should help readers understand the novelty of your work.

[1] Fratrič, P., Sileno, G., Klous, S. *et al.* Manipulation of the Bitcoin market: an agent-based study. *Financ Innov* **8**, 60 (2022). https://doi.org/10.1186/s40854-022-00364-3

[2] Shibano, K., Mogi, G. An analysis of the acquisition of a monetary function by cryptocurrency using a multi-agent simulation model. *Financ Innov* **8**, 87 (2022). https://doi.org/10.1186/s40854-022-00389-8

[3] Fong, B. Analysing the behavioural finance impact of 'fake news' phenomena on financial markets: a representative agent model and empirical validation. *Financ Innov* **7**, 53 (2021). https://doi.org/10.1186/s40854-021-00271-z