Review of: "Can a Rudderless Species Survive?"

Kalpesh Ravindra Patil

Potential competing interests: No potential competing interests to declare.

This paper presents a theoretical model to explore how rudderless species—relying solely on chance for navigation—can survive and evolve to develop navigation skills. The model shows that survival is possible if the probability of returning to the birth place exceeds 1/2, suggesting that species can evolve from rudderless to skilled navigators by expanding their range and improving navigation abilities.

Suggestions for Improvement:

1. **Empirical Validation:** Including case studies or simulations would validate the theoretical results.
2. **Intuitive Examples:** Adding concrete examples or illustrations could help readers understand the evolutionary implications.

Overall, the paper offers significant insights into the survival and evolutionary dynamics of rudderless species and sets a foundation for further research in this field.