

Review of: "Towards a model-based approach: applications to historical demography and palaeodemography"

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Potential competing interests: No potential competing interests to declare.

Abstract. I suggest reviewing the whole paragraph. The idea of selecting descriptors is repeated several times. The gap is not identified and the topic is not explicitly presented. Since this work is devoted to demographic models, it becomes necessary to offer a short explanation on which is the problem you identified and how you will address it.

Introduction.

Paragraph 1 (P1), P2: You are not framing the problem. You generically address "past populations". Which ones? Which data is missing? What behaviours shall we understand?

P3. Who are the "we" that consider models? You need a strong corpus of references to build your conceptual framework.

P4. The definition of "Model" you provide should be enhanced. I suggest taking a look at this work:

<https://doi.org/10.3390/rs13101879>.

P5. You are repeating the abstract, almost verbatim.

P6. You are introducing several concepts that are not adequately framed. This cannot be the basis for a truly scientific discussion.

P7. In this talk? It seems this work was not intended to become an article.

Before moving forward, I would strongly suggest the Author to reconsider the whole text by reading similar works in literature. There is a consistent lack of rigorous scientific methods in this manuscript. The subjacent ideas could benefit from more adequate development. I reckon this manuscript was born as a conference speech or an oral communication, which is not bad at all. Nevertheless, it is necessary to transition the ideas and concepts to the written format by following good practices of scientific communication.