Review of: "A connection between Gompertz diffusion model and Vasicek Interest Rate model"

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Potential competing interests: No potential competing interests to declare.

It is a nice idea. The paper has a clear objective and employs a structured approach with mathematical rigor. The introduction clearly states the main goal of the paper, which is to establish a new connection between the Gompertz diffusion model and the Vasicek Interest Rate model. However, it is not well presented at the moment. The following points should be addressed to enhance its overall impact and accessibility:

I. Grammar check for effective readability.

II. The variables are not properly defined and cited, for instance, equation (2).

III. The paper does not elaborate on the implications or potential applications of establishing this new connection. Providing insights into why this connection is relevant or useful could enhance the paper's impact.

IV. The use of technical terms such as "elementary stochastic calculus" and "Itô's calculus" suggests that the intended audience is well-versed in advanced mathematical concepts. Clarifying concepts for a broader audience may make the paper more accessible.

V. Adding a short discussion section could help readers understand the practical or theoretical implications of the findings.