Accepted Manuscript

Evolution of Model Specific Relative Growth Rate: Its Genesis and Performance Over Fisher's Growth Rates

Arijit Pal, Amiya Ranjan Bhowmick, Farhana Yeasmin, Sabyasachi Bhattacharya

PII: S0022-5193(18)30064-X
DOI: 10.1016/j.jtbi.2018.02.012
Reference: YJTBI 9355

To appear in: *Journal of Theoretical Biology*

Received date: 27 June 2017
Revised date: 12 February 2018
Accepted date: 13 February 2018

Please cite this article as: Arijit Pal, Amiya Ranjan Bhowmick, Farhana Yeasmin, Sabyasachi Bhattacharya, Evolution of Model Specific Relative Growth Rate: Its Genesis and Performance Over Fisher's Growth Rates, *Journal of Theoretical Biology* (2018), doi: 10.1016/j.jtbi.2018.02.012

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Fisher's formula for growth rate is invariant to modelling assumption
- A novel measure for growth rate is proposed based on model
- Goodness of fit test is developed to show the utility of new measure
- Comparison with existing method is done by power curves
- The demonstration is shown by Gompertz model as a test bed

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/8876774

Download Persian Version:

https://daneshyari.com/article/8876774

Daneshyari.com