Package 'CompGR'

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Type Package

Title Complete Annual Growth Rate Generator

Version 0.1.3

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Depends R(>= 2.10)

Suggests testthat (>= 3.0.0)

Description

It is designed to streamline the process of calculating complete annual growth rates with user-friendly functions and robust algorithms. It enables researchers and analysts to effortlessly generate precise growth rate estimates for their data. For method details see, Sharma, M.K.(2013) <https://www.indianjournals.com/ijor.aspx?target=ijor:jfl&volume=26&issue=1and2&article=018>. It offers a comprehensive suite of functions and customisable parameters. Equipped to handle varying complexities in data structures. It empowers users to uncover insightful growth dynamics and make informed decisions.

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Encoding UTF-8

RoxygenNote 7.3.1

Imports stats

NeedsCompilation no

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Contents

cAgr *CompGR: Complete Annual Growth Rate Generator*

Description

CompGR: Complete Annual Growth Rate Generator

Usage

```
cAgr(time, obs, model = NULL)
```

Arguments

time	A numeric vector containing sequence of time points
obs	A numeric vector containing sequence of observations
model	Three models. User can may select one of the three methods including Linear, Logarithmic and Compound growth

Value

CAGR

References

1. Sharma, M. K., Sisodia, B. V. S., & Lal, K. (2013). Growth and trends of pulse production in India. Journal of Food Legumes, 26(1and2), 86-92.

Examples

```
time<-c(1,2,3,4,5,6,7)
obs<-c(14,18,19,15,14,17,16)
CAGR_out<-cAgr(time=time,obs=obs,model="lin")
```

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