

Resource Summary Report

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Nonlinear time series analysis in a nutshell

RRID:SCR_001665

Type: Tool

Proper Citation

Nonlinear time series analysis in a nutshell (RRID:SCR_001665)

Resource Information

URL: <http://www.dtic.upf.edu/~ralph/scb/>

Proper Citation: Nonlinear time series analysis in a nutshell (RRID:SCR_001665)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 23, 2022. Source code that allows you to calculate the different measures used in Andrzejak RG (2011): Nonlinear time series analysis in a nutshell, <http://www.dtic.upf.edu/~ralph/Kansas3.pdf>. In: Osorio I, Zaveri H, Frei M, Arthurs S (eds.) Epilepsy: The Intersection of Neurosciences, Biology, Mathematics, and Engineering. CRC Press, Taylor & Francis Group, 125-138. <http://www.taylorandfrancis.com/books/details/9781439838853/> The files allow you to calculate the nonlinear prediction error from some time series, you can generate a time series of an autoregressive process of order one and integrate the differential equation of the Lorenz dynamics.

Abbreviations: Nonlinear time series analysis in a nutshell

Resource Type: software resource, source code

Defining Citation: [PMID:11690111](https://pubmed.ncbi.nlm.nih.gov/11690111/)

Keywords: time series, epilepsy, focal, seizure, nonlinear prediction error, squared distancematrix, embedding vector, autoregressive process, runge-kutta integrator, lorenz dynamics, randomized surrogate

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Nonlinear time series analysis in a nutshell

Resource ID: SCR_001665

Alternate IDs: nlx_153990

Record Creation Time: 20220129T080208+0000

Record Last Update: 20250410T064733+0000

Ratings and Alerts

No rating or validation information has been found for Nonlinear time series analysis in a nutshell.

No alerts have been found for Nonlinear time series analysis in a nutshell.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.