Resource Summary Report

Generated by NIF on May 15, 2025

N2A

RRID:SCR_014702
Type: Tool

Proper Citation

N2A (RRID:SCR_014702)

Resource Information

URL: https://github.com/frothga/n2a

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Description: An object-oriented language for modeling large-scale neural systems, along with an IDE for writing and simulating models. N2A represents neural systems in a parts-relations framework combined with dynamics where each part has as set of equations that define its state variables and how they evolve over time. Each part is a pattern for a population of instances, and each instance has its own unique copy of the state variables.

Synonyms: Neurons to Algorithms (N2A), Neurons to Algorithms

Resource Type: software resource, programming language

Defining Citation: PMID:24478635

Keywords: programming language, object oriented language, large scale system, modeling, neural system

Funding: US Department of Eenergy

Availability: Available for download

Resource Name: N2A

Resource ID: SCR_014702

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250505T054323+0000

Ratings and Alerts

No rating or validation information has been found for N2A.

No alerts have been found for N2A.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Hou TY, et al. (2020) Correcting abnormalities in miR-124/PTPN1 signaling rescues tau pathology in Alzheimer's disease. Journal of neurochemistry, 154(4), 441.

Rothganger F, et al. (2014) N2A: a computational tool for modeling from neurons to algorithms. Frontiers in neural circuits, 8, 1.