

# Resource Summary Report

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## Neural Cipher

RRID:SCR\_001577

Type: Tool

### Proper Citation

Neural Cipher (RRID:SCR\_001577)

### Resource Information

**URL:** <http://neuronalarchitects.com/neural-cipher.html>

**Proper Citation:** Neural Cipher (RRID:SCR\_001577)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE, documented August 17, 2016. C#.NET 4.0 application that interfaces with the Neural Maestro class library to perform Classical and Bayesian logistic polynomial regression analysis for multiple trial and experimental neuroscience / electrophysiological datasets. The idea is to build a neural feature extractor to plug into a neural recognition network based on recordings from patch clamps and/or brain computer interfaces. Frequency based feature sets are collected from the simulation of neuronal cell assemblies and examined for inclusion in combinatorial regressions using the Neural Maestro API. Regressions are evaluated based on different metrics. The application interfaces with a R and MATLAB API and produces a compendium to be published on CRAN.

**Abbreviations:** Neural Cipher

**Resource Type:** software application, software resource, data processing software, data analysis software

**Keywords:** polynomial regression analysis, neuroscience, electrophysiology, recording, patch clamp, brain computer interface, r, matlab, eeg, neuron, classical, bayesian, logistic, multiple trial, experiment

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Neural Cipher

**Resource ID:** SCR\_001577

**Alternate IDs:** nlx\_153815

**Record Creation Time:** 20220129T080208+0000

**Record Last Update:** 20260728T043114+0000

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## Ratings and Alerts

No rating or validation information has been found for Neural Cipher.

No alerts have been found for Neural Cipher.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.