Resource Summary Report

Generated by NIF on May 25, 2025

Algorithms and Framework for Nonnegative Matrix Factorization

RRID:SCR_023124
Type: Tool

Proper Citation

Algorithms and Framework for Nonnegative Matrix Factorization (RRID:SCR_023124)

Resource Information

URL: https://cran.r-project.org/package=NMF

Proper Citation: Algorithms and Framework for Nonnegative Matrix Factorization (RRID:SCR_023124)

Description: Software R package for nonnegative matrix factorization. Implements set of already published algorithms and seeding methods, and provides framework to test, develop and plug new/custom algorithms.

Abbreviations: NMF

Synonyms: Non-negative Matrix Factorization

Resource Type: software resource, software toolkit

Defining Citation: DOI:10.1186/1471-2105-11-367

Keywords: Non-negative Matrix Factorization, nonnegative matrix factorization,

Funding: South-African National Bioinformatics Network ;
Science Foundation Ireland

Availability: Free, Available for download, Freely available

Resource Name: Algorithms and Framework for Nonnegative Matrix Factorization

Resource ID: SCR_023124

Record Creation Time: 20230116T062750+0000

Record Last Update: 20250525T032613+0000

Ratings and Alerts

No rating or validation information has been found for Algorithms and Framework for Nonnegative Matrix Factorization.

No alerts have been found for Algorithms and Framework for Nonnegative Matrix Factorization.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zhang J, et al. (2024) Protocol to infer and analyze miRNA sponge modules in heterogeneous data using miRSM 2.0. STAR protocols, 5(4), 103317.

Ambeskovic A, et al. (2024) Exon-Skipping-Based Subtyping of Colorectal Cancers. Gastroenterology.

Berard AR, et al. (2023) Vaginal epithelial dysfunction is mediated by the microbiome, metabolome, and mTOR signaling. Cell reports, 42(5), 112474.

Huang C, et al. (2023) Identification of S1PR4 as an immune modulator for favorable prognosis in HNSCC through machine learning. iScience, 26(9), 107693.