

Resource Summary Report

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Neuroimaging Data Model

RRID:SCR_013667

Type: Tool

Proper Citation

Neuroimaging Data Model (RRID:SCR_013667)

Resource Information

URL: <http://nidm.nidash.org/>

Proper Citation: Neuroimaging Data Model (RRID:SCR_013667)

Description: Collection of specification documents that define extensions the the W3C PROV standard for the domain of human brain mapping. NIDM uses provenance information as a means to link components from different stages of the scientific research process from dataset descriptors and computational workflow, to derived data and publication.

Abbreviations: NIDM

Resource Type: data or information resource, data set, narrative resource, standard specification

Keywords: data sharing, neuroimaging, fmri, mri, dti, semantic web

Availability: Available to the research community

Resource Name: Neuroimaging Data Model

Resource ID: SCR_013667

Alternate URLs: <https://github.com/incf-nidash/nidm>

Record Creation Time: 20220129T080317+0000

Record Last Update: 20260905T132739+0000

Ratings and Alerts

No rating or validation information has been found for Neuroimaging Data Model.

No alerts have been found for Neuroimaging Data Model.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Queder N, et al. (2023) NIDM-Terms: community-based terminology management for improved neuroimaging dataset descriptions and query. *Frontiers in neuroinformatics*, 17, 1174156.

Reer A, et al. (2023) FAIR human neuroscientific data sharing to advance AI driven research and applications: Legal frameworks and missing metadata standards. *Frontiers in genetics*, 14, 1086802.

Kumar A, et al. (2022) The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. *F1000Research*, 11, 228.

Kennedy DN, et al. (2019) Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. *Frontiers in neuroinformatics*, 13, 1.

Jun J, et al. (2018) Three Research Strategies of Neuroscience and the Future of Legal Imaging Evidence. *Frontiers in neuroscience*, 12, 120.

Timothy S, et al. (2017) Extending XNAT Platform with an Incremental Semantic Framework. *Frontiers in neuroinformatics*, 11, 57.

, et al. (2017) Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. *NeuroImage*, 153, 399.

Ghosh SS, et al. (2017) A very simple, re-executable neuroimaging publication. *F1000Research*, 6, 124.

Keator DB, et al. (2016) The Function Biomedical Informatics Research Network Data Repository. *NeuroImage*, 124(Pt B), 1074.

Pauli R, et al. (2016) Exploring fMRI Results Space: 31 Variants of an fMRI Analysis in AFNI, FSL, and SPM. *Frontiers in neuroinformatics*, 10, 24.

Keator DB, et al. (2013) Towards structured sharing of raw and derived neuroimaging data across existing resources. *NeuroImage*, 82, 647.