

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

SumsDB

RRID:SCR_002759

Type: Tool

Proper Citation

SumsDB (RRID:SCR_002759)

Resource Information

URL: <http://sumsdb.wustl.edu/sums/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on May 11, 2016. Repository of brain-mapping data (surfaces and volumes; structural and functional data) derived from studies including fMRI and MRI from many laboratories, providing convenient access to a growing body of neuroimaging and related data. WebCaret is an online visualization tool for viewing SumsDB datasets. SumsDB includes: * data on cerebral cortex and cerebellar cortex * individual subject data and population data mapped to atlases * data from FreeSurfer and other brainmapping software besides Caret SumsDB provides multiple levels of data access and security: * Free (public) access (e.g., for data associated with published studies) * Data access restricted to collaborators in different laboratories * Owner-only access for work in progress Data can be downloaded from SumsDB as individual files or as bundles archived for offline visualization and analysis in Caret WebCaret provides online Caret-style visualization while circumventing software and data downloads. It is a server-side application running on a linux cluster at Washington University. WebCaret "scenes" facilitate rapid visualization of complex combinations of data Bi-directional links between online publications and WebCaret/SumsDB provide: * Links from figures in online journal article to corresponding scenes in WebCaret * Links from metadata in WebCaret directly to relevant online publications and figures

Abbreviations: SumsDB, WebCaret

Synonyms: SumsDB WebCaret, SumsDB Database, Web Caret, WebCaret Online Visualization, Surface Management System Database and WebCaret Online Visualization, SumsDB and WebCaret, Sums database, SumsDB (Surface Management System Database) and WebCaret Online Visualization, Sums DB, SumsDB (Surface Management System Database) WebCaret Online Visualization, Surface Management System Database

Resource Type: analysis service resource, atlas, data analysis service, data or information resource, data repository, database, image repository, production service resource, service resource, storage service resource

Keywords: segmentation, volume, neuroimaging, brain, fmri, stereotaxic foci, stereotaxic coordinate, brain-mapping, foci, structural mri, mri, cerebral cortex, cerebellar cortex, afni brik, analyze, atlas, nifti, registration, rendering, spatial transformation, surface analysis, surface rendering, visualization, volume rendering, brain mapping, neuroanatomy

Related Condition: Mental disease, Neurological disorder, Normal

Funding: Human Brain Project ;
NSF ;
NCI ;
NLM ;
NASA ;
National Partnership for Advanced Computational Infrastructure ;
NIMH R01 MH60974-06

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: SumsDB

Resource ID: SCR_002759

Alternate IDs: nif-0000-00016, r3d100010169

Alternate URLs: <http://brainvis.wustl.edu/wiki/index.php/Sums>About>
<http://www.nitrc.org/projects/sumsdb>, <https://doi.org/10.17616/R3JC76>

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260905T132453+0000

Ratings and Alerts

No rating or validation information has been found for SumsDB.

No alerts have been found for SumsDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Li X, et al. (2022) Project, toolkit, and database of neuroinformatics ecosystem: A summary of previous studies on "Frontiers in Neuroinformatics". *Frontiers in neuroinformatics*, 16, 902452.

Shen K, et al. (2019) A macaque connectome for large-scale network simulations in TheVirtualBrain. *Scientific data*, 6(1), 123.

Cross ES, et al. (2017) Learning to tie the knot: The acquisition of functional object representations by physical and observational experience. *PloS one*, 12(10), e0185044.

Aru J, et al. (2016) Early effects of previous experience on conscious perception. *Neuroscience of consciousness*, 2016(1), niw004.

Kirsch LP, et al. (2015) Additive Routes to Action Learning: Layering Experience Shapes Engagement of the Action Observation Network. *Cerebral cortex (New York, N.Y. : 1991)*, 25(12), 4799.

Kirsch LP, et al. (2015) Dance experience sculpts aesthetic perception and related brain circuits. *Annals of the New York Academy of Sciences*, 1337(1), 130.

Poldrack RA, et al. (2013) Toward open sharing of task-based fMRI data: the OpenfMRI project. *Frontiers in neuroinformatics*, 7, 12.

Cross ES, et al. (2012) Physical experience leads to enhanced object perception in parietal cortex: insights from knot tying. *Neuropsychologia*, 50(14), 3207.

Van Essen DC, et al. (2012) Cortical cartography and Caret software. *NeuroImage*, 62(2), 757.

Harriger L, et al. (2012) Rich club organization of macaque cerebral cortex and its role in network communication. *PloS one*, 7(9), e46497.

Marcus DS, et al. (2011) Informatics and data mining tools and strategies for the human connectome project. *Frontiers in neuroinformatics*, 5, 4.

Visscher KM, et al. (2011) Would the field of cognitive neuroscience be advanced by sharing functional MRI data? *BMC medicine*, 9, 34.

Bohland JW, et al. (2009) The brain atlas concordance problem: quantitative comparison of anatomical parcellations. *PloS one*, 4(9), e7200.

Van Essen DC, et al. (2007) On navigating the human cerebral cortex: response to 'in praise of tedious anatomy'. *NeuroImage*, 37(4), 1050.