

fMRI解析の参考資料

(1) 解析前の準備

MRicroGLの準備

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MRicroGLを用意

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- MRicroGLはMRI画像を表示する（論文用など見映えよい図を作る）ツールだが、同梱のdcm2niixが非常に便利なので、先にダウンロードしておく
- MRicroGLを以下からダウンロード（自環境のOSに合わせて）

<https://www.nitrc.org/projects/mricrogl>

The screenshot shows the MRicroGL project page on the NITRC website. The page layout includes a top navigation bar with logos for NITRC, Neuroimaging Resources Registry, Neuroimaging Data Repository, and Cloud Computing Environment. Below this is a search bar and a list of navigation links: TOOLS & RESOURCES, COMMUNITY, SUPPORT, and ABOUT NITRC. A sidebar on the left contains a list of links: Summary, Support, Advanced Search, Documents, Downloads, Execution Options, Forums, Images, MediaWiki, News, PubMed Mentions, Source Code, Tasks, and Tracker. The main content area features a 'Leave a testimonial' banner, a description of MRicroGL, a brain image, and a dropdown menu for 'Execution Options' showing download links for Windows, Linux, and macOS. Below this are sections for 'Specifications' (Category: Visualization, License: BSD License), 'Associations' (has subpart: dcm2niix), and 'Recent Activity - Documents'. On the right side, there is a 'Statistics' section with various metrics and a 'Participate!' section with links to monitor releases, subscribe to RSS, bookmark the page, report issues, add reviews, and join the team.

NITRC Neuroimaging Tools & Resources Collaboratory

Neuroimaging Resources Registry | Neuroimaging Data Repository | Cloud Computing Environment

TOOLS & RESOURCES - COMMUNITY - SUPPORT - ABOUT NITRC - Member login | Register | Help

SEARCH Search within this tool/resource FOR Start typing to search Advanced Search Support NITRC. Donate Today!

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Leave a testimonial.
Tell others how NITRC has helped your research! Click here.

MRicroGL Visit Website

MRicroGL allows you to view 2D slices and renderings of your brain imaging data. It can display many image formats and includes a graphical interface for dcm2nii to convert DICOM images to NIfTI format. It allows you to draw regions of interest which can aid lesion mapping and fMRI analysis. It provides sophisticated rendering.

Image 1 of 6
Click for more.

Execution Options

Download Now: version 20-July-2022 (v1.2.2022) [Download]

Execute Now:

- version 20-July-2022 (v1.2.20220720): MRicroGL_windows.zip (66242 K)
- version 20-July-2022 (v1.2.20220720): MRicroGL_linux1804.zip (63551 K)
- version 20-July-2022 (v1.2.20220720): MRicroGL_linux.zip (69162 K)
- version 20-July-2022 (v1.2.20220720): MRicroGL_macOS.dmg (69308 K)

Show all files

Specifications

Category: Visualization
License: BSD License
Show more specifications (Development Status, Domain, Intended Audience, etc)

Associations

has subpart: dcm2nii
Show more associations (has images, is from the makers of, works well with)

Recent Activity - Documents

Statistics

Home Page
Funding: NIH-NIDCD R01DC...
Documents: 7
PubMed Mentions: 0
Forums: 733 messages in 2 ...
News Items: 6
Task Manager: 0 open / 0 to...
Tracker: 0 open / 0 total
Total Downloads: 170867
Registered: Oct 7, 2014
Organization: University of ...
Island Center f...

Participate!

Monitor a file release
Subscribe to RSS feed
Bookmark this page
Report issues
Add a review
Join the team

MRicroGLを用意

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- ダウンロードした圧縮ファイルを解凍し、SPMと同様にアクセスしやすい場所に置く
解凍されたフォルダ内にMRicroGLとResourcesフォルダがある



- MRicroGLアイコンをダブルクリックしてMRicroGLが起動できるか確かめておこう

Resourcesフォルダのパスを環境変数に追加しておくとスクリプトでNIfTI変換できる

