

◆ NITRC-R: Resources Registry

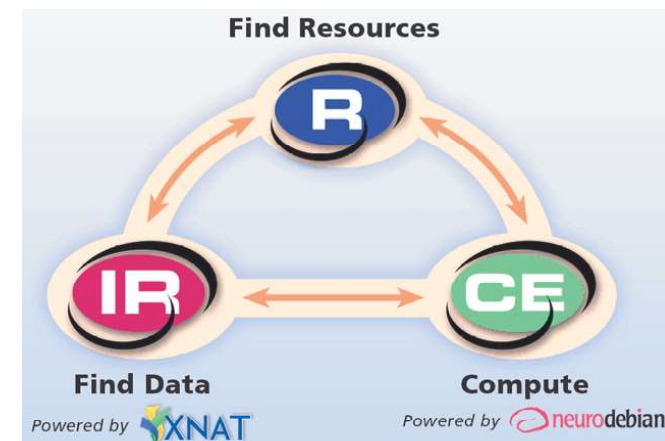
- Web based collaboratory for software and resource distribution and collaboration
- 3,800 Google Scholar citations, 870 tools/resources, 18,000 registered users, 350,00 annual sessions, 122,000 monthly pageviews

◆ NITRC-IR: Image Repository

- XNAT based repository grantees store and share non PII data
- Searchable across data sets based on filters such as gender, handedness, field strength and resting TR
- NIF Tier 3 registered

◆ NITRC-CE: Computational Environment

- Researcher can compute against data via cloud-based workflow tools (such as best-of-breed neuroimaging workflows or pipelines)
- Pay as you go, and for only what you need for computing
- Released on AWS Marketplace and downloadable to own servers via public AMI





NITRC



Workflow

Browse -> Narrow -> Compare -> Consider -> Download ->

Home Tools & Resources Community Support About NITRC

SEARCH Tools/Resources GO

Member login | Register | Help | Share |

Select Language

Powered by Google Translate

NITRC Computational Environment is now available on Amazon Marketplace. Check it out!

Browse tools by domain

- CT (22)
- Clinical Neuroinformatics (16)
- Domain Independent (31)
- EEG/MEG/ECOG (59)
- Imaging Genomics (14)
- MR (106)
- Optical Imaging (18)
- PET/SPECT (28)

Browse tools by functionality

- Atlas Application (33)
- Connectivity Analysis (10)
- Database Application (18)
- Experimental Control (8)
- Format Conversion (17)

Find neuroimaging tools here:

Examples: • modeling OR simulation
• morphology AND animation
• segmentation NOT Linux
• region of interest

SEARCH Search Builder

NiDB Neuroinformatics Database

Featured tool/resource:
NiDB - Neuroinformatics Database

NiDB is a powerful, easy to install neuroimaging database designed to allow simple importing, searching, and sharing of imaging data. NiDB associates any modality imaging or

Latest News

DTI-TK • Feb 5 • no comments
Introducing a longitudinal DTI analysis pipeline with DTI-TK
Dear all, I'm extremely excited to report that DTI-TK now delivers a major new application area: Unbiased longitudinal DTI analysis. This new framework is the first to apply our state-of-the-art tensor-based registration to accurately quantify...

Automatic Registration Toolbox • Jan 30 • no comments
Corpus Callosum Segmentation Software 'yuki'
I am pleased to announce the release of version 2 of 'yuki', my automated corpus callosum segmentation program under the Automatic Registration Toolbox (ART) project. The two main changes from version 1 are: • The algorithm was parallelized using

Community

- Conferences and workshops
- General community forum
- Funding opportunities
- Publications
- Career opportunities
- Submit community news
- Submit tool/resource

(8,451 registered users)

Recently active forums

CONN : functional connectivity toolbox: help
block duration problem
[426 posts, last post 1 hour ago]

TumorSim: help
RF: About tensor components
[12 posts, last post Feb 6]

NITRC Community open-discussion
RE: Inter-Scan MRI analyses
[946 posts, last post Feb 5]

Recently updated files

BrainVox Morphology extensions

Narrow your results:

- Domain: MR (7)
- EEG/MEG/ECOG (3)
- Imaging Genomics (2)
- Functionality: Visualization (4), Spatial Transformation (4), Temporal Transformation (3), Quantification (2)
- Type of Resource: Information Resource (6), Hardware (1), License, Development Status, Programming Language, Operating System, Supported Data Format

Tools/Resources Related Web Pages

You searched for: **iowa or pittsburgh or stanford or vanderbilt or moffitt or university of w...**

Search within results: SEARCH Search Builder

Select All / Unselect All

Compare Sort by: Relevance

- PING
- Human Connectome Project (HCP)
- OASIS
- N-CANDA: Data Integration Component
- Center for Functional Neuroimaging Tech
- MASI Label Fusion
- TOADS-CRUISE Brain Segmentation Tools
- JIST: Java Image Science Toolkit
- DOTS WM tract segmentation
- JIP fMRI Analysis Toolkit
- Homer2
- Microstructural correlation toolbox
- 3D Interactive Chemical Shift Imaging

3D Interactive Chemical Shift Imaging (3DCSI) is a user-friendly and comprehensive software program for multi-dimensional CSI data

Tools/Resources Related Web Pages **Comparison (16)**

Sort by: Downloads

Category	TOADS-CRUISE Brain Segmentation Tools	JIST: Java Image Science Toolkit	Diffusion Toolkit / TrackVis	Center for Functional Neuroimaging Tech	JIP fMRI Analysis Toolkit
License	Freeware	GNU Lesser General Public License (LGPL)	MGH CSRL License	MGH CSRL License	MGH
Development Status	Development Status	Development Status	Development Status	Development Status	Dev
Domain	Domain	Uncategorized Domain	Uncategorized Domain	Domain	Dot
	MR	MR	MR	EEG/MEG/ECOG	MR
				MR	PET/
				Optical Imaging	Unci

JIST: Java Image Science Toolkit

Java Image Science Toolkit (JIST) provides a native Java-based imaging processing environment similar to the ITK/TK paradigm. Initially developed as an extension to MRPAV (CIT: NIH, Bethesda, MD), the JIST processing infrastructure provides automated GUI generation for application plug-ins, graphical layout tools, and command line interfaces

This repository maintains the current multi-institutional JIST development tree and is recommended for public use and extension. To participate in this consortium or seek assistance in integrating JIST modules in your application, please contact us at jst-admin@www.nitrc.org

JIST was originally developed at IAHL and MedIC (Johns Hopkins University) and is now also supported by MASI (Vanderbilt University)

Download Now
DTI_wtr_tutorial_data DTI_layout_files.zip (119M) OR See All Files

Specifications

Category: Experimental Control Modeling Quantification Segmentation Shape Analysis, Spatial Transformation, Workflow

License: GNU Lesser General Public License (LGPL)

is part of: NeuroDebian

can be extended by: Maps4Mpay (Exploratory JIST), TOADS-CRUISE Brain Segmentation Tools, CBS High-Res Brain Processing Tools

Reviews & Ratings

User Reviews (14)

OVERALL

INSTALLATION

DOCUMENTATION

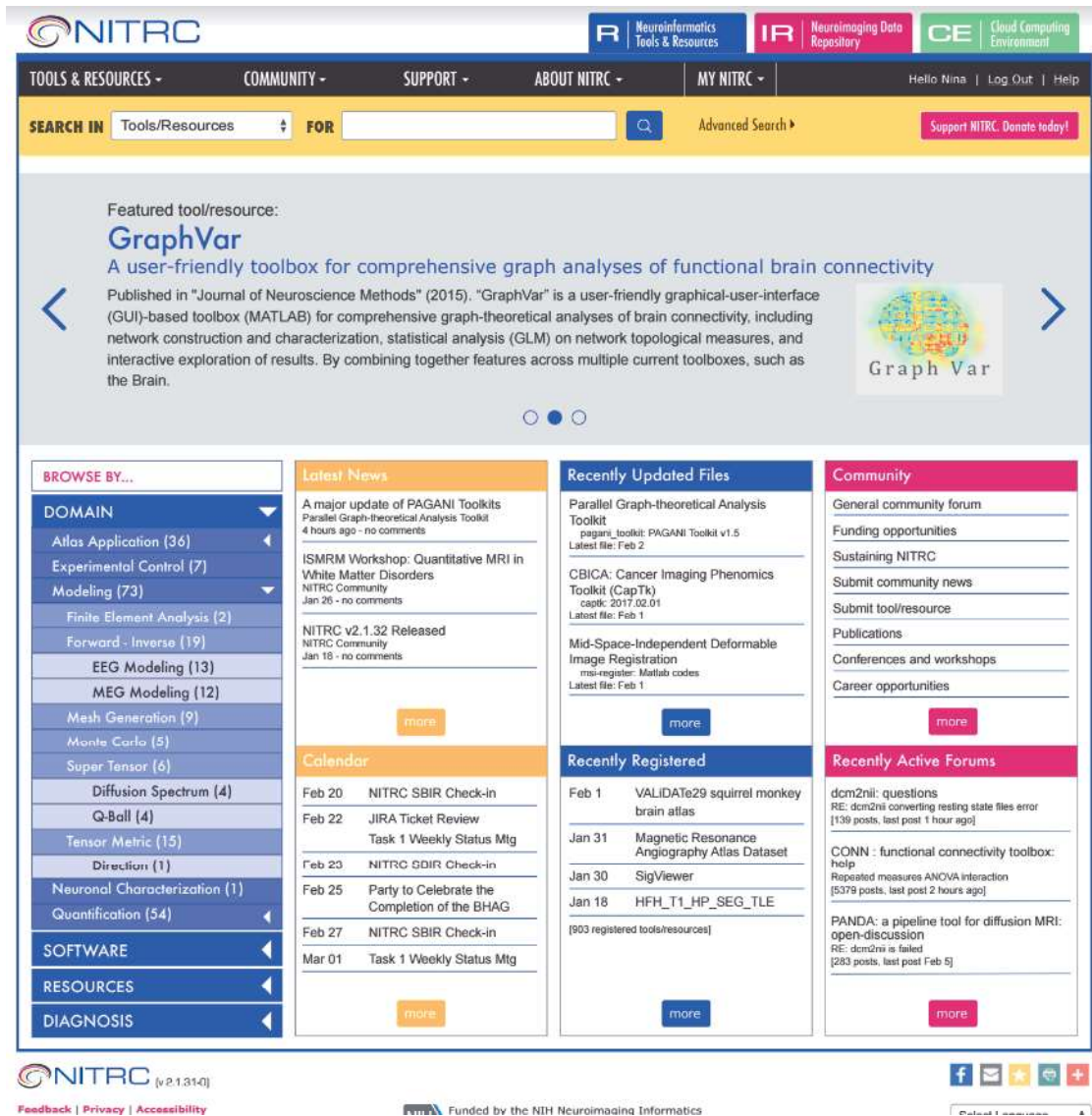
Participate!

Submit news
Report issues
Add a review
Monitor a file release
Subscribe to RSS feed
Bookmark this page

Home Page
View Issues
Documents: 4
Forums: 47 messages in 7 forums
News Items: 21
Tracker: 41 open / 192 total
Total Downloads: 5263
Activity Percentile: 87.12%

View Statistics
Registered: Jun 2, 2009

4/3/2017



TOOLS & RESOURCES | **COMMUNITY** | **SUPPORT** | **ABOUT NITRC** | **MY NITRC** | Hello Nina | Log Out | Help

SEARCH IN Tools/Resources FOR [] Advanced Search Support NITRC. Donate today!

Featured tool/resource:
GraphVar
 A user-friendly toolbox for comprehensive graph analyses of functional brain connectivity
 Published in "Journal of Neuroscience Methods" (2015). "GraphVar" is a user-friendly graphical-user-interface (GUI)-based toolbox (MATLAB) for comprehensive graph-theoretical analyses of brain connectivity, including network construction and characterization, statistical analysis (GLM) on network topological measures, and interactive exploration of results. By combining together features across multiple current toolboxes, such as the Brain.

BROWSE BY...

- DOMAIN**
 - Atlas Application (36)
 - Experimental Control (7)
 - Modeling (73)
 - Finite Element Analysis (2)
 - Forward - Inverse (19)
 - EEG Modeling (13)
 - MEG Modeling (12)
 - Mesh Generation (9)
 - Monte Carlo (5)
 - Super Tensor (6)
 - Diffusion Spectrum (4)
 - Q-Ball (4)
 - Tensor Metric (15)
 - Direction (1)
 - Neuronal Characterization (1)
 - Quantification (54)
- SOFTWARE**
- RESOURCES**
- DIAGNOSIS**

Latest News

- A major update of PAGANI Toolkits
Parallel Graph-theoretical Analysis Toolkit
4 hours ago - no comments
- ISMRM Workshop: Quantitative MRI in White Matter Disorders
NITRC Community
Jan 26 - no comments
- NITRC v2.1.32 Released
NITRC Community
Jan 16 - no comments

Recently Updated Files

- Parallel Graph-theoretical Analysis Toolkit
pagani_toolkit: PAGANI Toolkit v1.5
Latest file: Feb 2
- CBICA: Cancer Imaging Phenomics Toolkit (CapTk)
captk: 2017.02.01
Latest file: Feb 1
- Mid-Space-Independent Deformable Image Registration
mi-regular: Matlab codes
Latest file: Feb 1

Community

- General community forum
- Funding opportunities
- Sustaining NITRC
- Submit community news
- Submit tool/resource
- Publications
- Conferences and workshops
- Career opportunities

Recently Registered

- Feb 1 VALIDATE29 squirrel monkey brain atlas
- Jan 31 Magnetic Resonance Angiography Atlas Dataset
- Jan 30 SigViewer
- Jan 18 HFH_T1_HP_SEG_TLE

(803 registered tools/resources)

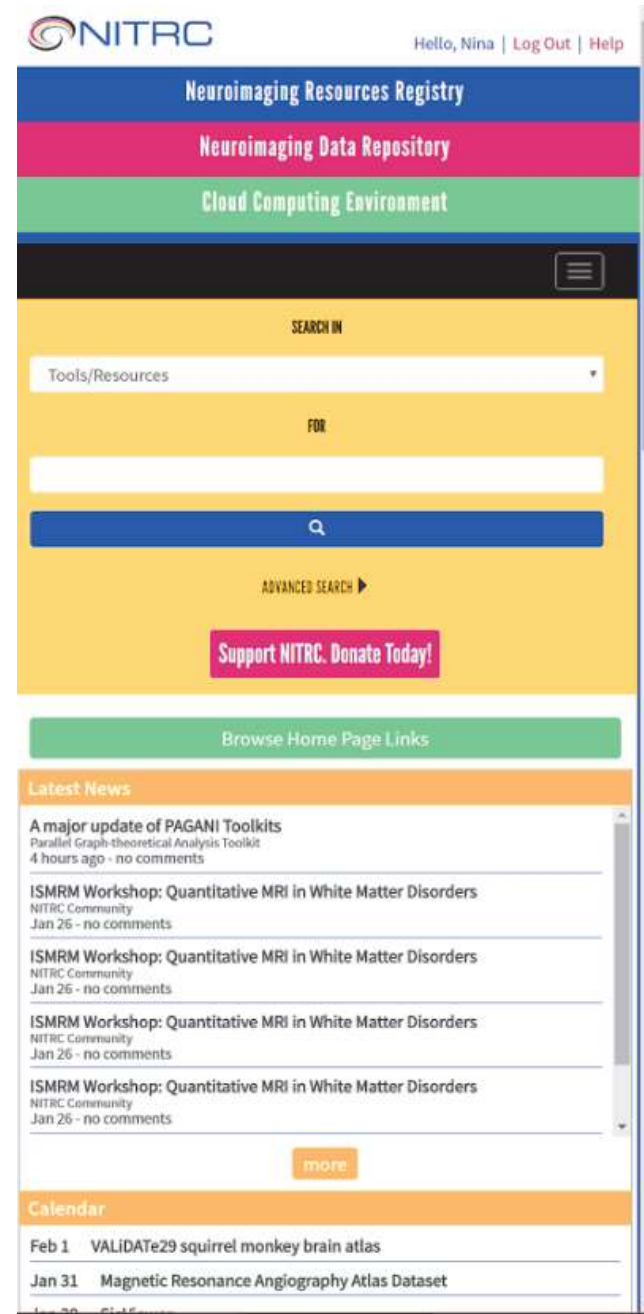
Recently Active Forums

- dcm2nii: questions
RE: dcm2nii converting resting state files error [139 posts, last post 1 hour ago]
- CONN : functional connectivity toolbox: Help
Repeated measures ANOVA interaction [5379 posts, last post 2 hours ago]
- PANDA: a pipeline tool for diffusion MRI: open-discussion
RE: dcm2nii is failed [283 posts, last post Feb 5]

Calendar

- Feb 20 NITRC SBIR Check-in
- Feb 22 JIRA Ticket Review Task 1 Weekly Status Mtg
- Feb 23 NITRC SDIR Check-in
- Feb 25 Party to Celebrate the Completion of the BHAG
- Feb 27 NITRC SBIR Check-in
- Mar 01 Task 1 Weekly Status Mtg

Footer: NITRC (v2.1.31-0) | Feedback | Privacy | Accessibility | Funded by the NIH Neuroimaging Informatics



HELLO NINA | LOG OUT | HELP

Neuroimaging Resources Registry

Neuroimaging Data Repository

Cloud Computing Environment

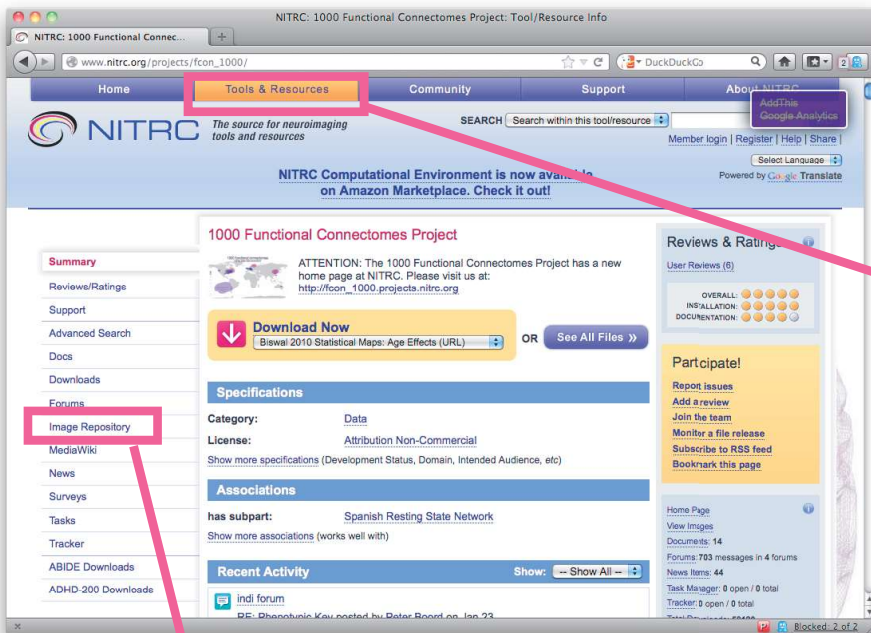
SEARCH IN Tools/Resources FOR [] ADVANCED SEARCH Support NITRC. Donate Today!

Latest News

- A major update of PAGANI Toolkits
Parallel Graph-theoretical Analysis Toolkit
4 hours ago - no comments
- ISMRM Workshop: Quantitative MRI in White Matter Disorders
NITRC Community
Jan 26 - no comments
- ISMRM Workshop: Quantitative MRI in White Matter Disorders
NITRC Community
Jan 26 - no comments
- ISMRM Workshop: Quantitative MRI in White Matter Disorders
NITRC Community
Jan 26 - no comments
- ISMRM Workshop: Quantitative MRI in White Matter Disorders
NITRC Community
Jan 26 - no comments

Calendar

- Feb 1 VALIDATE29 squirrel monkey brain atlas
- Jan 31 Magnetic Resonance Angiography Atlas Dataset



NITRC: 1000 Functional Connectomes Project: Tool/Resource Info

www.nitrc.org/projects/fcon_1000/

Home **Tools & Resources** Community Support About NITRC

SEARCH [Search within this tool/resource] Add This to Google Analytics

Member login | Register | Help | Share

Select Language

Powered by Google Translate

NITRC Computational Environment is now available on Amazon Marketplace. Check it out!

1000 Functional Connectomes Project

Summary

Reviews/Ratings

Support

Advanced Search

Docs

Downloads

Forums

Image Repository

MediaWiki

News

Surveys

Tasks

Tracker

ABIDE Downloads

ADHD-200 Downloads

ATTENTION: The 1000 Functional Connectomes Project has a new home page at NITRC. Please visit us at: http://fcon_1000.projects.nitrc.org

Download Now

Biawal 2010 Statistical Maps: Age Effects (URL) OR See All Files >>

Specifications

Category: Data

License: Attribution Non-Commercial

Show more specifications (Development Status, Domain, Intended Audience, etc)

Associations

has subpart: Spanish Resting State Network

Show more associations (works well with)

Recent Activity

Show: -- Show All --

Participate!

Report issues

Add a review

Join the team

Monitor a file release

Subscribe to RSS feed

Bookmark this page

Home Page

View Images

Documents: 14

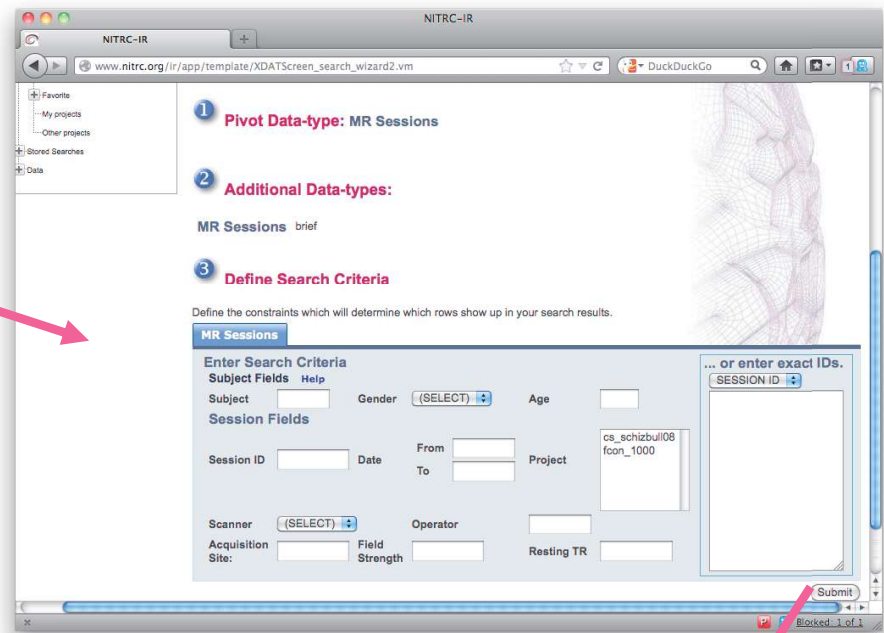
Forums: 793 messages in 4 forums

News Items: 44

Task Manager: 0 open / 0 total

Tracker: 0 open / 0 total

Blocked: 2 of 2



NITRC-IR

www.nitrc.org/ir/app/template/XDATScreen_search_wizard2.vm

- Pivot Data-type: MR Sessions**
- Additional Data-types:**
- Define Search Criteria**

MR Sessions brief

Define the constraints which will determine which rows show up in your search results.

MR Sessions

Enter Search Criteria

Subject Gender: (SELECT) Age:

Session Fields

Session ID Date: From To Project: cs_schizbul08 fcon_1000

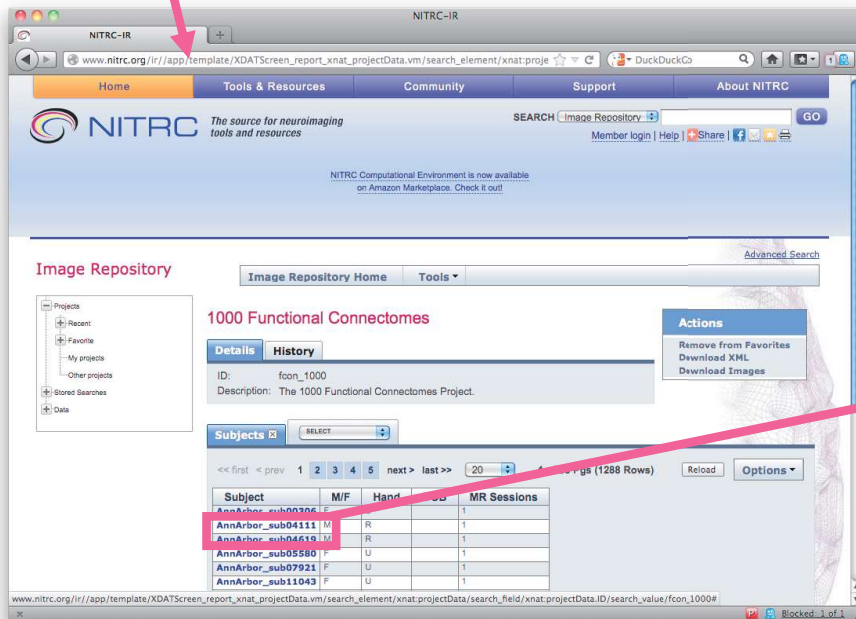
Scanner: (SELECT) Operator:

Acquisition Site: Field Strength: Resting TR:

... or enter exact IDs. SESSION ID:

Submit

Blocked: 1 of 1



NITRC-IR

www.nitrc.org/ir/app/template/XDATScreen_report_xnat_projectData.vm/search_element/xnat:proj...

Home **Tools & Resources** Community Support About NITRC

SEARCH [Image Repository] GO

Member login | Help | Share | Facebook | Twitter | YouTube

NITRC Computational Environment is now available on Amazon Marketplace. Check it out!

Image Repository

Image Repository Home Tools

Advanced Search

1000 Functional Connectomes

Details History

ID: fcon_1000

Description: The 1000 Functional Connectomes Project.

Actions

Remove from Favorites

Download XML

Download Images

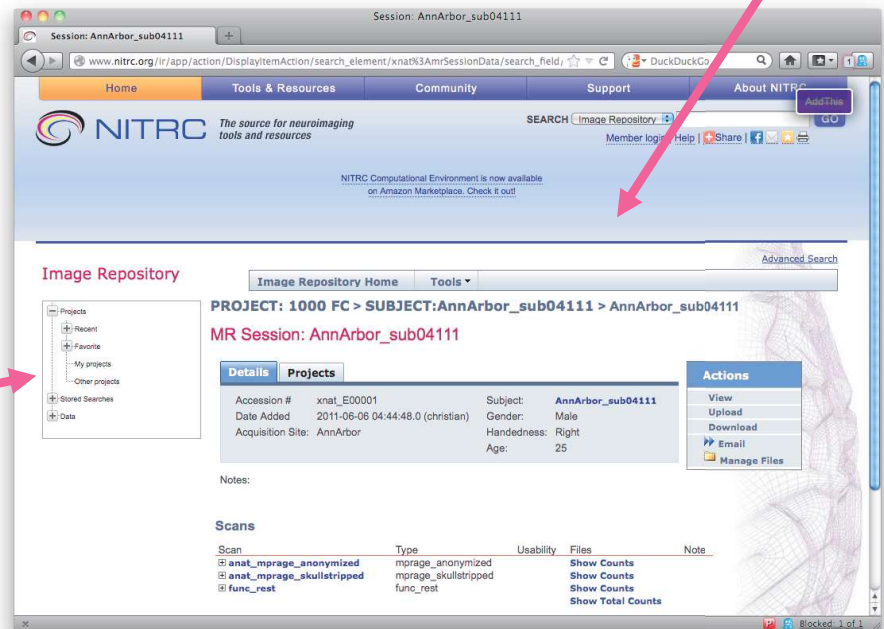
Subjects

<< first < prev 1 2 3 4 5 next > last >> 20

Subject	M/F	Hand	Age	MR Sessions
AnnArbor_sub00306	F	R	1	1
AnnArbor_sub04111	M	R	1	1
AnnArbor_sub04619	M	R	1	1
AnnArbor_sub05580	F	U	1	1
AnnArbor_sub07921	F	U	1	1
AnnArbor_sub11043	F	U	1	1

www.nitrc.org/ir/app/template/XDATScreen_report_xnat_projectData.vm/search_element/xnat:projectData/search_field/xnat:projectData.ID/search_value/fcon_1000#

Blocked: 1 of 1



Session: AnnArbor_sub04111

www.nitrc.org/ir/app/action/DisplayItemAction/search_element/xnat:3AmrSessionData/search_field...

Home **Tools & Resources** Community Support About NITRC

SEARCH [Image Repository] GO

Member login | Help | Share | Facebook | Twitter | YouTube

NITRC Computational Environment is now available on Amazon Marketplace. Check it out!

Image Repository

Image Repository Home Tools

Advanced Search

PROJECT: 1000 FC > SUBJECT: AnnArbor_sub04111 > AnnArbor_sub04111

MR Session: AnnArbor_sub04111

Details Projects

Accession #	xnat_E00001	Subject	AnnArbor_sub04111
Date Added	2011-06-06 04:44:48.0 (christian)	Gender	Male
Acquisition Site	AnnArbor	Handedness	Right
		Age	25

Actions

View

Upload

Download

Email

Manage Files

Notes:

Scans

Scan	Type	Usability	Files	Note
anat_mprage_anonymized	mprage_anonymized		Show Counts	
anat_mprage_skullstripped	mprage_skullstripped		Show Counts	
func_rest	func_rest		Show Counts	
			Show Total Counts	

Blocked: 1 of 1

Shop All Categories Your Software

NITRC Computational Environment

Sold by: NITRC



NITRC-CE joins the family of successful NITRC services starting with the flagship, NITRC-Resources, the "go to" place for neuroimaging tools and resources. NITRC Image Repository offers a select set of community-generated neuroimaging data sets, while this service, NITRC Computational Environment, offers the convenience of cloud-based computing against NITRC-IR data sets or your data sets. We welcome any suggestions on how to improve this service to make it a user friendly, cost effective tool for neuroscientists to easily and cost-effectively compute against data sets. [Read more](#)

Customer Rating ★★★★★ (1 Customer Review)

Latest Version 2

Base Operating System Linux/Unix, Ubuntu 12.04 LTE

Delivery Method 64-bit Amazon Machine Image (AMI) [Learn more](#)

Support [See details below](#)

AWS Services Required Amazon EC2, Amazon EBS

- Highlights**
- Need resources on demand to compute against your neuroimaging data? Tired of fighting for institutional compute resources and just need to get the compute done? Use NITRC-CE!
 - Need access to the most popular neuroimaging analysis tools? In this release, we're offering FSL and AFNI, but more analysis software tools will be added over time. Use these resources separately, or pipeline them, we're agnostic!
 - Need access to the most popular community-generated and curated neuroimaging analysis data sets? Access NITRC-IR and compute against them on NITRC-CE, the newest scientific computing environment!

Product Description

NITRC-CE joins the family of successful NITRC services starting with the flagship, NITRC-Resources, the "go to" place for neuroimaging tools and resources. NITRC Image Repository offers a select set of community-generated neuroimaging data sets, while this service, NITRC Computational Environment, offers the convenience of cloud-based computing against NITRC-IR data sets or your data sets. We welcome any suggestions on how to improve this service to make it a user friendly, cost effective tool for neuroscientists to easily and cost-effectively compute against data sets.

Continue You will have an opportunity to review your order before launching or being charged.

Pricing Details

Hourly Fees

Total hourly fees will vary by instance type and EC2 region.

For region **US East (Virginia)**

EC2 Instance Type	Software	EC2	Total*
Standard Micro (t1.micro)	\$0.00/hr	\$0.02/hr	\$0.02/hr
Standard Small (m1.small)	\$0.00/hr	\$0.065/hr	\$0.065/hr
Standard Medium (m1.medium)	\$0.00/hr	\$0.13/hr	\$0.13/hr
Standard Large (m1.large)	\$0.00/hr	\$0.26/hr	\$0.26/hr
Standard XL (m1.xlarge)	\$0.00/hr	\$0.52/hr	\$0.52/hr
High-Memory XL (m2.xlarge)	\$0.00/hr	\$0.45/hr	\$0.45/hr
High-Memory 2XL (m2.2xlarge)	\$0.00/hr	\$0.90/hr	\$0.90/hr
High-Memory 4XL (m2.4xlarge)	\$0.00/hr	\$1.80/hr	\$1.80/hr
High-CPU Medium (c1.medium)	\$0.00/hr	\$0.165/hr	\$0.165/hr
High-CPU XL (c1.xlarge)	\$0.00/hr	\$0.66/hr	\$0.66/hr

*EBS fees and data transfer fees not included. Assumes On-Demand EC2 pricing; prices for Reserved and Spot Instances will be lower. [See details](#)

[Learn about instance types](#)

Recent Product Reviews

★★★★★ 01/29/2013

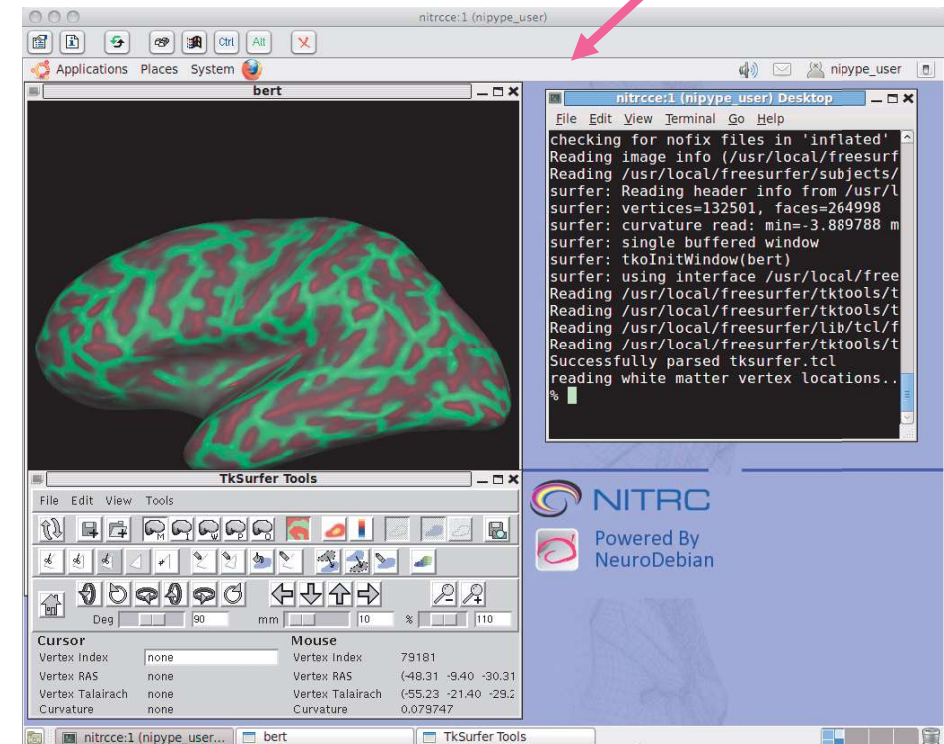
worked as advertised

This is a very nice resource and should help people get going on use of AWS for their neuroimage analysis tasks. I w...

Shop All Categories Go

Your Software Subscriptions (1)

Product	Instances
NITRC Computational Environment Run a new instance Seller profile Installation instructions Create a review Cancel subscription	1 active i-1a984c8a ● running Version 2 Manage in AWS Console Access Software



The screenshot shows a desktop environment with a window titled 'nitrcce:1 (nipyuser)' containing a terminal window. The terminal displays the following output:

```

checking for nofix files in 'inflated'
Reading image info (/usr/local/freesurf
Reading /usr/local/freesurf/subjects/
surfer: Reading header info from /usr/l
surfer: vertices=132501, faces=264998
surfer: curvature read: min=-3.889788 m
surfer: single buffered window
surfer: tkoInitWindow(bert)
surfer: using interface /usr/local/free
Reading /usr/local/freesurf/tktools/t
Reading /usr/local/freesurf/tktools/t
Reading /usr/local/freesurf/lib/tcl/f
Reading /usr/local/freesurf/tktools/t
Successfully parsed tksurfer.tcl
reading white matter vertex locations..
%
    
```

Below the terminal is a window titled 'Tksurfer Tools' showing a 3D brain scan visualization with a green and red overlay. The window includes a toolbar and a status bar with the following information:

Cursor		Mouse	
Vertex Index	none	Vertex Index	79181
Vertex RAS	none	Vertex RAS	(-48.31 -9.40 -30.31
Vertex Talairach	none	Vertex Talairach	(-55.23 -21.40 -29.2
Curvature	none	Curvature	0.079747