



QIBA Vol CT Study 3A Clinical Data Schedule and Logistics



Software and Systems Division

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Overview

1. Upon notification, download the QIBA 3A Clinical Data from the private QIBA 3A Study site
2. Run volumetric algorithm or CAD tool the Pivotal Data
3. Report your anonymized results using your ID to the RSNA



Participant Anonymization

- The RSNA will keep the participant's identity in confidence from the QIBA 3A Group and directly communicate individual results back to the participants
- RSNA will generate an anonymized ID for each participant
- Participants are responsible for anonymization of their submissions



Information Participant Must Provide

- CAD tool/algorithm workflow name and description
- CAD tool developer, the algorithm used, and version number (if applicable)
- References to available publications
- Character and degree of user interaction with software
 - Use the VOLCANO'09 categories (<http://www.via.cornell.edu/challenge/>)
- Documented procedure used so that results are reproducible by trained users
- Permission for study organizers to publish results, acknowledge participating institutions and investigators in the manuscript



What the QIBA 3A Group Will Do

- Analyze reported results by comparison to ground truth and other participating methods
- Provide participants with a study report within 3 months of the participant submission deadline
- Consult with individual participants on their results
- Report results at an open meeting
- Publish results
 - In an archival journal or conference proceeding
 - Without identifying participant scores



Schedule

• Participants

- Send Participation Agreement to RSNA by March 11th, 2013
- Receive anonymized ID and download study data
- Report results to the RSNA by June 17th, 2013



Clinical Data is at QI-Bench Website



Flexible, free and open source software tooling to develop and optimize quantitative medical imaging.



Home

QI-Bench Wiki

About QI-Bench
Why QI-Bench
The Project
Acknowledgements
Contact Us

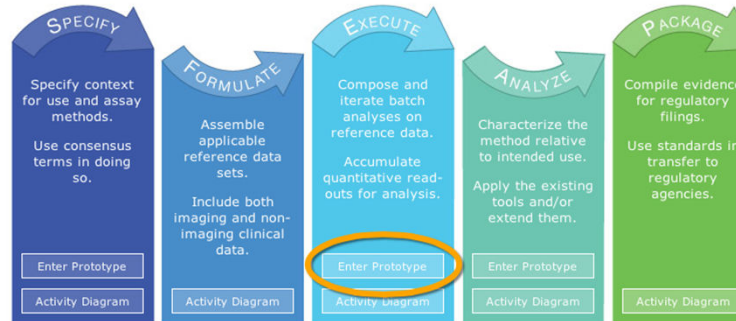
Resources

Download
For Users
For Developers
Issue Tracking
Lab Protocol
References
Licensing

Quantitative imaging applications such as imaging biomarkers advance the utility of medical imaging. They may detect and characterize disease, before, during or after a course of therapy. They may also predict the course of disease, with or without therapy.

A precondition for use is the demonstration of performance according to recognized descriptive statistics:

- In a defined patient population,
- For a specific biological phenomenon associated with a known disease state,
- With evidence in large patient populations,
- Externally validated.



Open-source informatics tooling used to characterize the performance of quantitative medical imaging as needed to advance the field. These tools may be deployed internal to an organization or used for collaborative work across organizations. The data on which they work may be accessible only to identified individuals, or more broadly in an open archive, to suit the specific project purpose.

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Contact info@bbmsc.com for questions about the use of this site's content.
See here for more information about the web infrastructure.

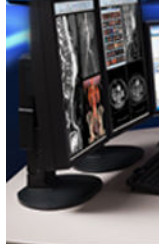
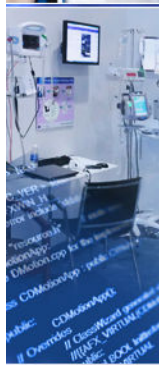
<http://www.qi-bench.org>

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Register as a User



QI-BENCH
OPTIMIZING PERFORMANCE THROUGH CHARACTERIZATION

Compose and iterate **batch analyses** on **reference data**.
Accumulate **quantitative read-outs** for analysis.

Jump to a data, folder...

Navigation: [Feed](#), [Explore](#), [Communities](#), [Users](#), [My profile](#), [Batchmake](#)

Feed

	Gary Wernsing registered	3 minutes ago
	Patrick Reynolds registered	10 hours ago
	Mike Sperling registered	11 hours ago
	Andrew Buckler registered	12 hours ago
	Michael Grauer added the community QIN	20 hours ago
	Michael Grauer added the community QIBA	20 hours ago
	Michael Grauer added the community C-Path	20 hours ago
	Michael Grauer registered	20 hours ago

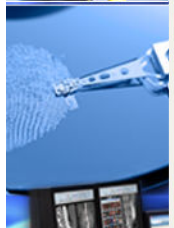
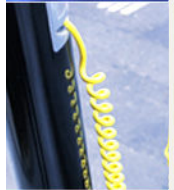
MIDAS integrates multimedia server technology with open-source data analysis and visualization clients. The server follows open standards for data storage, access and harvesting.

STATS
5 users
3 communities
15 items

MIDAS 3.1.3 by Kitware © 2011 - Generated in 0.117 s - Report bug



Creating Account



Join MIDAS
A powerful data management system

- Store access your data online.
- Manage and share your data.
- Highly secure.

[Learn more >](#)

E-mail
Firstname
Lastname
Password
Confirm Password

I read and accepted the [terms of service](#)

Jump to a data, folder...

Login Register Help My Language

QI-BENCH
OPTIMIZING PERFORMANCE THROUGH CHARACTERIZATION

Compose and iterate **batch analyses** on **reference data**.
Accumulate **quantitative read-outs** for analysis.

Feed

- Explore
- Communities
- Users
- My profile
- Batchmake

Feed	Time	Details
Gary Wernsing registered	3 minutes ago	MIDAS integrates multimedia server technology with open-source data analysis and visualization clients. The server follows open standards for data storage, access and harvesting.
Patrick Reynolds registered	10 hours ago	
Mike Sperling registered	11 hours ago	STATS 5 users 3 communities 15 items
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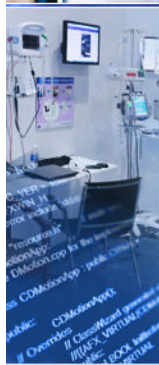


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Browse Communities



Gary Wernsing | Logout | Help | My Language



Compose and iterate **batch analyses** on **reference data**.
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Jump to a data, folder...

Upload

- Feed
- Explore
- Communities**
- Users
- My profile
- Batchmake

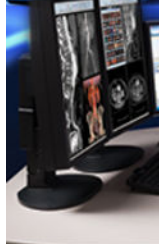
Feed

	Gary Wernsing registered	17 minutes ago	MIDAS integrates multimedia server technology with open-source data analysis and visualization clients. The server follows open standards for data storage, access and harvesting. <hr/> STATS 5 users 3 communities 15 items
	Patrick Reynolds registered	10 hours ago	
	Mike Sperling registered	12 hours ago	
	Andrew Buckler registered	12 hours ago	
	Michael Grauer added the community QIN	21 hours ago	
	Michael Grauer added the community QIBA	21 hours ago	
	Michael Grauer added the community C-Path	21 hours ago	
	Michael Grauer registered	21 hours ago	

MIDAS 3.1.3 by Kitware © 2011 - Generated in 0.114 s - Report bug



Find QIBA Community



Gary Wernsing | Logout | Help | My Language

QI-BENCH

OPTIMIZING PERFORMANCE THROUGH CHARACTERIZATION

Compose and iterate **batch analyses** on **reference data**.
Accumulate **quantitative read-outs** for analysis.

Jump to a data, folder...

- Feed
- Explore
- Communities**
- Users
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Communities	
C-Path	ACTIONS
QIBA	Create a community
QIN	INFO
	3 Communities

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Download Data



Compose and iterate **batch analyses** on **reference data**.
Accumulate **quantitative read-outs** for analysis.

Jump to a data, folder...

Upload

- Feed
- Explore
- Communities
- Users
- My profile
- Batchmake

QIBA

Data Feed Shared to Members

Name	Size	Modified	
Private (0)	Shared 0.0 KB	20 minutes	<input type="checkbox"/>
Public (0)	Public 0.0 KB	20 minutes	<input type="checkbox"/>
Quantitative CT Modality (15)	Shared 3.4 GB	20 minutes	<input type="checkbox"/>
COPD - Asthma (0)	Shared 0.0 KB	20 minutes	<input type="checkbox"/>
Volumetric CT (15)	Shared 3.4 GB	20 minutes	<input type="checkbox"/>
1A (0)	Shared 0.0 KB	21 minutes	<input type="checkbox"/>
1B (0)	Shared 0.0 KB	21 minutes	<input type="checkbox"/>
1C (0)	Shared 0.0 KB	21 minutes	<input type="checkbox"/>
3A (15)	Shared 3.4 GB	21 minutes	<input type="checkbox"/>
Pilot3A (15)	Shared 3.4 GB	21 minutes	<input type="checkbox"/>
Pilot3A-Output (0)	Shared 0.0 KB	21 minutes	<input type="checkbox"/>
FDA CDRH (0)	Shared 0.0 KB	21 minutes	<input type="checkbox"/>
QI-Bench Demonstrator (0)	Shared 0.0 KB	21 minutes	<input type="checkbox"/>
Quantitative MR Modality (0)	Shared 0.0 KB	20 minutes	<input type="checkbox"/>
Quantitative NM Modality (0)	Shared 0.0 KB	20 minutes	<input type="checkbox"/>

ACTIONS

- Leave the community
- View
- Download

INFO

Pilot3A
Created 11/14/2011

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Important URLs

- For registering and sending anonymized results:
 - qibachallenge@rsna.org
- For downloading Study Data:
 - <http://www.qi-bench.org/>
- Data Download instructions:
 - http://www.qi-bench.org/wiki/index.php?title=Manually_access_data