

Datavyu



Make discoveries, your way



Overview

- ◀ Why is it useful?
- ◀ What does it do?
- ◀ Who is developing and supporting it?
- ◀ How is it being built and distributed?
- ◀ When is it available?



Use Datavyu to Tag and Code Video

- ▶ Exploratory analyses, generating ideas for designing new studies, honing data collection procedures, planning coding schemes
- ▶ Coding events of interest, calculating inter-rater reliability, qualitative and quantitative analyses



Use Datavyu to Share

- ◀ Within lab (record of what you did)
- ◀ With collaborators (similar studies different setups/codes/etc)
- ◀ With colleagues (generate ideas, validity, build on existing work)

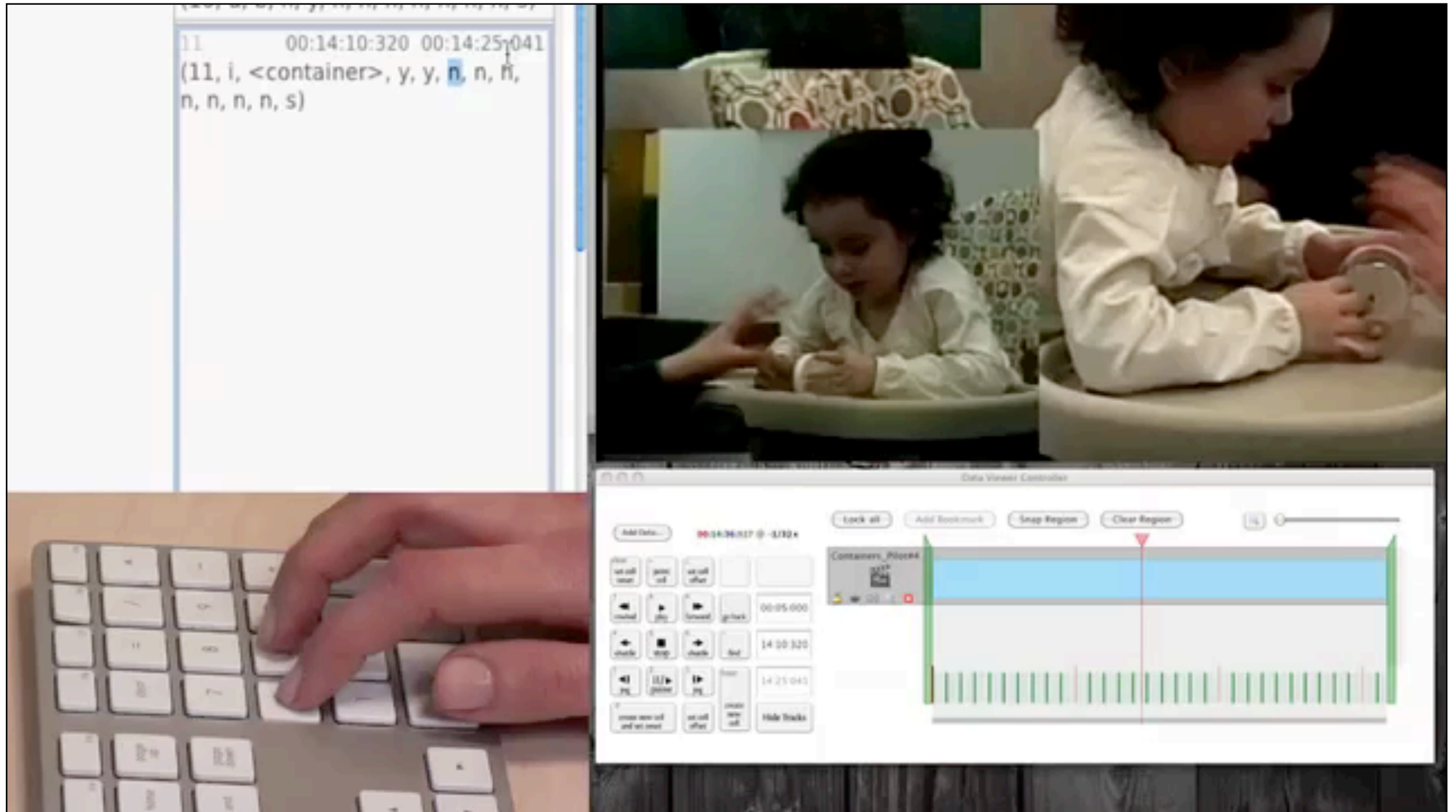


Datavyu vs. Alternatives

- ▶ Provides recorded link to source data (video, audio, physiological)
- ▶ Agnostic about what/how you code
- ▶ Open source and free
- ▶ Scriptable, extensible with plugins



Coding Mechanics






Ruby Scripting: Powerful and Extensible

- ▶ Create new cells, build on prior work
- ▶ Check inter-rater reliability
- ▶ Check and clean data
- ▶ Import and export multiple data streams, multiple files



User Support

 **Datavyu**

DOWNLOAD FEATURES **SUPPORT** DEVELOPMENT BLOG

[login](#) [about](#) [faq](#)

☒ questions ☐ tags ☐ users **questions** tags users badges unanswered

[ask a question](#)

All Questions

[active](#) [newest](#) [hottest](#) [most voted](#)

0 votes	0 answers	6 views	How do you transfer OpenSHAPA projects?	transfer	08 Apr, 20:03 Michele 1
0 votes	1 answer	17 views	Problem with arguments	arguments	27 Mar, 17:17 KCSoska 1
0 votes	1 answer	34 views	Help - User Guide	guide help user	13 Mar, 11:08 KCSoska 1
1 vote	1 answer	127 views	Running Openshapa in Mac with Lion	mac	28 Nov '12, 09:31 KCSoska 1
0 votes	1 answer	146 views	Synching Two Videos	video synch	28 Nov '12, 09:29 KCSoska 1
0 votes	1 answer	81 views	Using CSV to Export Data	csv export	20 Nov '12, 01:38 KCSoska 1
0 votes	1 answer	127 views	How to open a video in OpenSHAPA	load video	25 Oct '12, 04:48 KCSoska 1
0 votes	0 answers	71 views	Login Issues	login problem	25 Oct '12, 04:24 KCSoska 1
0 votes	1 answer	99 views	Attaching Video	attach video	27 Sep '12, 01:25 JohnFranchak 381
0 votes	1 answer	110 views	OpenSHAPA unexpectedly quits after jogging thru movie that is > 2GB	of movie file size	16 Sep '12, 10:36 JohnFranchak 381
0 votes	1 answer	85 views	set possible codes for an argument	codes arguments matrix	16 Sep '12, 10:33 JohnFranchak 381

welcome to Datavyu Support
Help others by asking and answering Datavyu questions.
[about](#)
[faq](#)

71 questions
83 answers
Most recently updated questions

How support works:
1- **Search** to see if someone has already asked your question.
2a- Found someone who has already asked your question? Use the **thumb button to up vote** the question to make it easier for the next person to find.
2b- Can't find anyone who has asked your question? **Create a new question** by pressing the 'ask a question' button in the top right. Put in as much detail as you can. Include a sample file if possible and any scripting details.
3- Help others! Can answer somebodies question, or is the existing answers out of date or just wrong? **Create a new answer** and put in as much detail as you can, including step by step instructions.
4- Has someone answered a question you asked? **Use the tick** answer next to the answer to mark it as correct.



User Support

- ▶ User guides & tips will be up with first release
- ▶ Hands-on training workshops at NYU (and on the road!)
- ▶ Coding basics, designing codes, scripting



Plugin Community

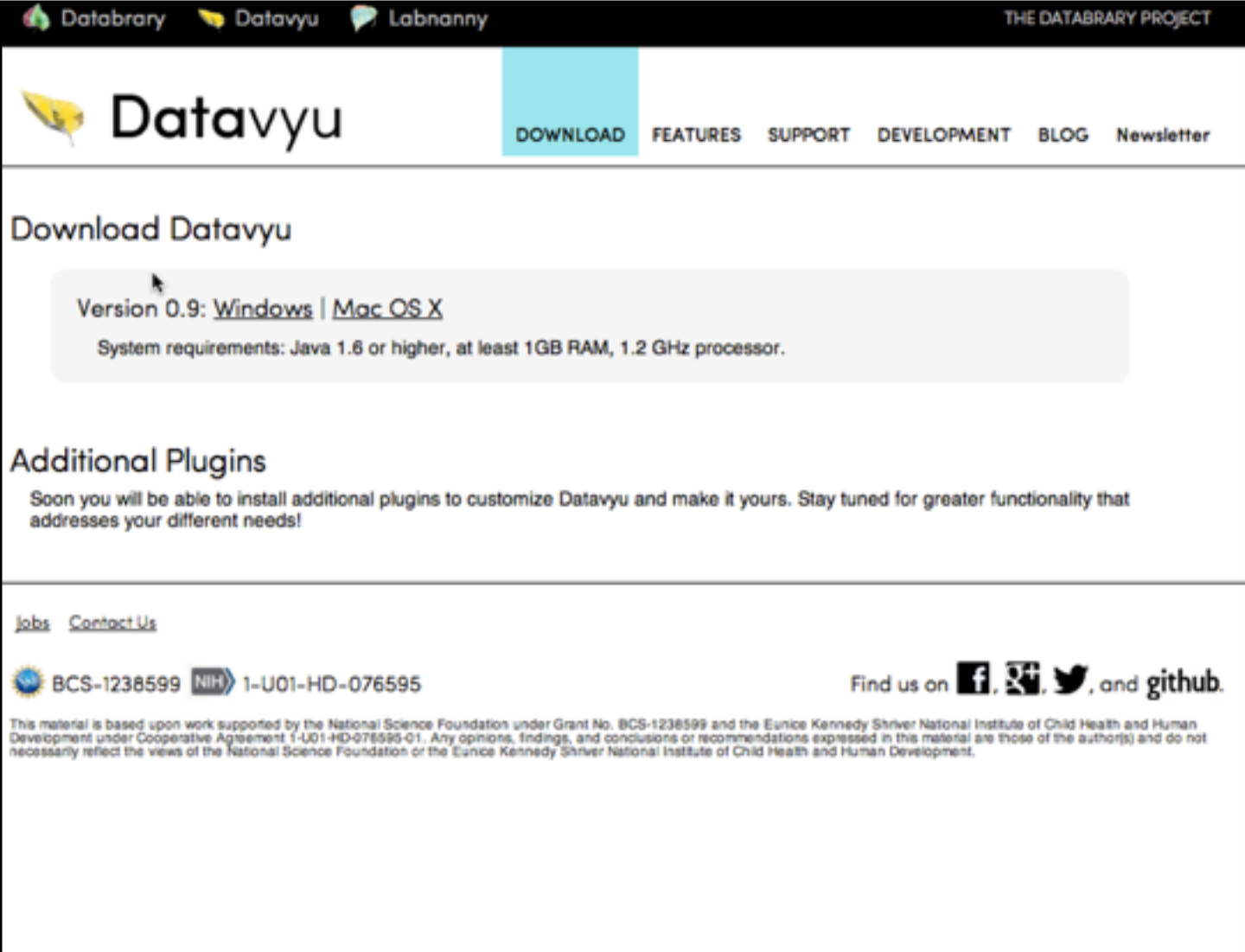
- ◀ Open Source
- ◀ Plugins for Exporting, Importing, Visualizing



Development in the Open Source Community

◀ Datavyu.org

- Builds
- Plugins



The screenshot shows the Datavyu website interface. At the top, there is a navigation bar with links for Databrary, Datavyu, and Labnanny, along with 'THE DATABRARY PROJECT'. Below this, the Datavyu logo is prominently displayed next to a 'DOWNLOAD' button. To the right of the logo are links for FEATURES, SUPPORT, DEVELOPMENT, BLOG, and Newsletter. The main content area is titled 'Download Datavyu' and features a section for 'Version 0.9: Windows | Mac OS X'. Below this, it lists system requirements: 'Java 1.6 or higher, at least 1GB RAM, 1.2 GHz processor.' Further down, there is a section for 'Additional Plugins' with a message: 'Soon you will be able to install additional plugins to customize Datavyu and make it yours. Stay tuned for greater functionality that addresses your different needs!'. At the bottom, there are links for 'Jobs' and 'Contact Us', followed by funding information from the National Science Foundation (BCS-1238599) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (1-U01-HD-076595). Social media links for Facebook, Google+, Twitter, and GitHub are also present, along with a disclaimer about the material being based on work supported by the National Science Foundation.



Development in the Open Source Community

◀ Datavyu.org

- Builds
- Plugins

◀ Github

- Allows rollbacks, forking, etc.

The screenshot shows the Github repository page for `databrary / datavyu`, which is noted as being forked from `OpenSHAPAOpenshapa`. The page includes navigation tabs for Code, Network, Pull Requests (0), Wiki, and Graphs. Below these, there are options to clone the repository (Clone in Mac, ZIP, HTTP, SSH, Git Read-Only) and a link to the repository URL: `https://github.com/databrary/datavyu.git`. The page also shows the current branch as `master` and a list of files and commits. The commit history is displayed as a table with columns for the file name, the time since the commit, and the commit message.

File	Time	Commit Message
src	12 days ago	Syncing changes [smidget]
.info.plist.un~	2 months ago	Refactored everything over to Datavyu from OpenSHAPA. Version changed... [smidget]
.gitignore	10 months ago	Updated MongoDB so getting the onset and offset is much faster. This ... [smidget]
GPL-LICENSE.txt	2 years ago	Added the GPLv3 license to everything. [cfreeman]
Info.plist	19 days ago	Fixed build settings for machine that have case sensitive file system... [smidget]
OpenSHAPA.policy	4 years ago	Forced maven to use a very liberal security policy when debugging / r... [cfreeman]
README.md	a month ago	Changed some language [smidget]
assembly-jar.xml	3 years ago	BugzID:305 - Maven now can build a windows exe bundle using launch4j. [Douglas Tech]
assembly-win.xml	2 months ago	Refactored everything over to Datavyu from OpenSHAPA. Version changed... [smidget]
checkstyle.xml	4 years ago	Added custom checkstyle commands to better handle generics. [cfreeman]
nb-configuration.xml	2 months ago	Remove unused files and perform some simple cleanups. [emontellese]
pom.xml	19 days ago	Fixed build settings for machine that have case sensitive file system... [smidget]



Current Plans

- ◀ Beta version released
- ◀ First major release
 - Open source A/V
 - Cross platform
 - Fully packaged scripting library
- ◀ www.datavyu.org Blog for each release and what is upcoming



Road Map

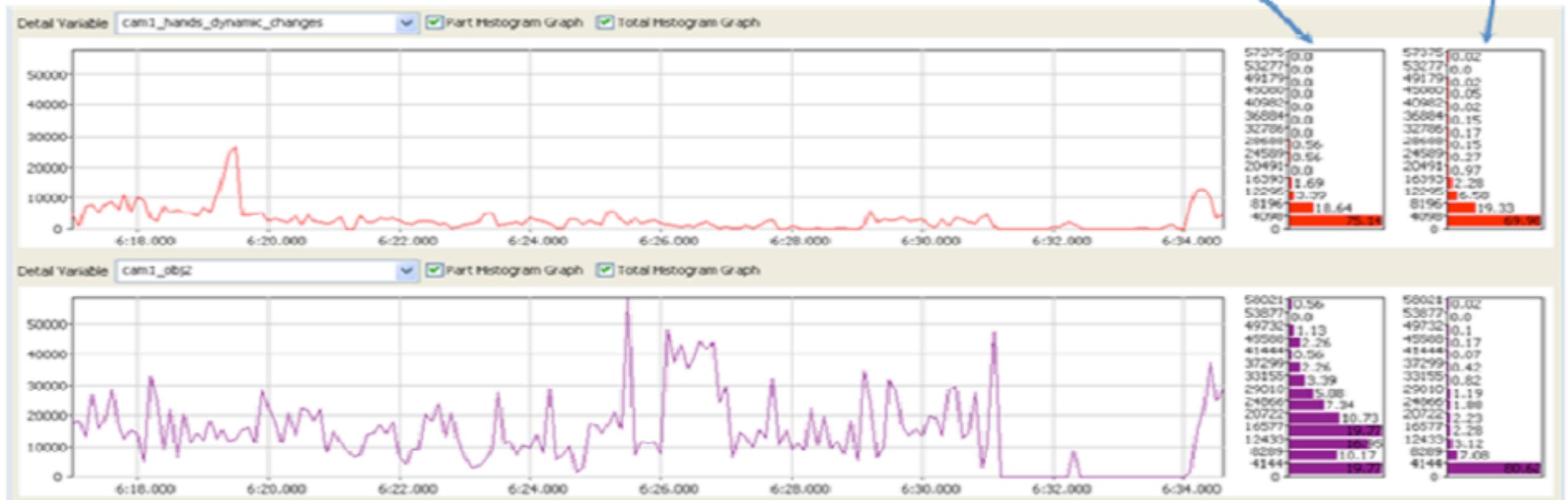
◀ Audio waveform visualizer





Road Map

- ▶ Audio visualizer
- ▶ Event visualizer





Road Map

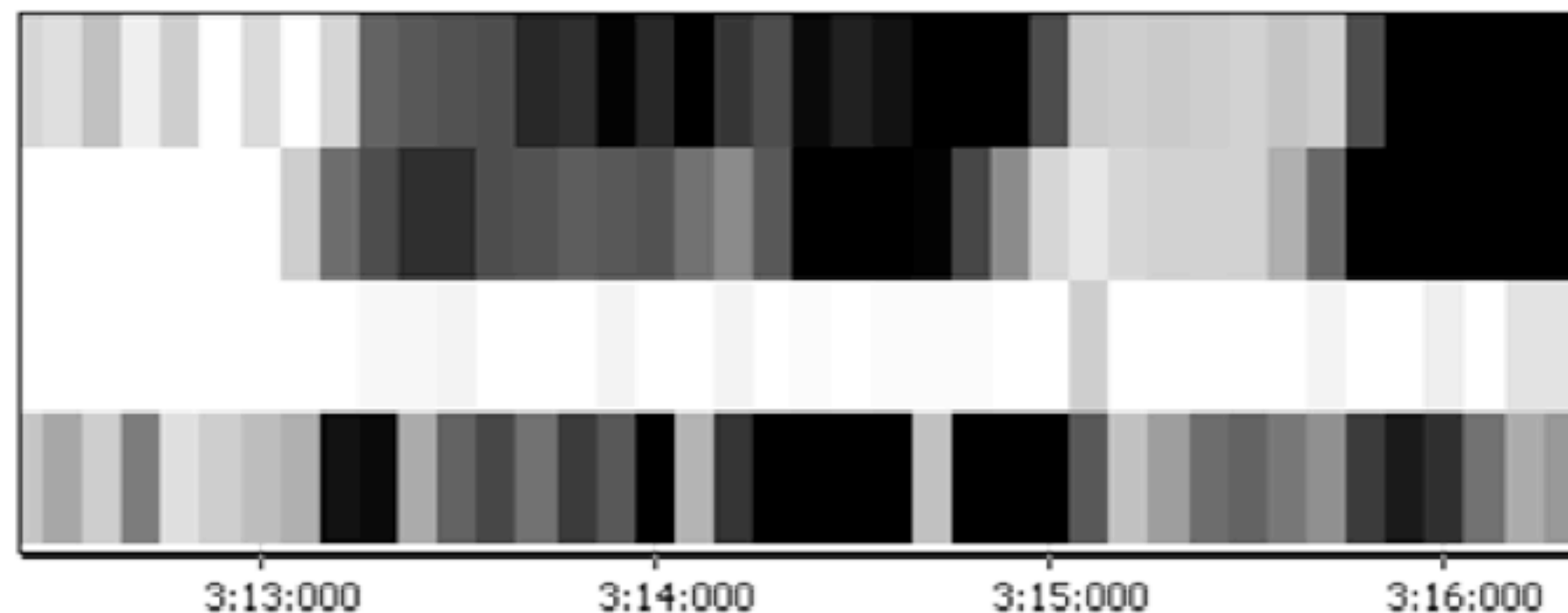
- ▶ Audio visualizer
- ▶ Event visualizer
- ▶ Data timeline

variable 1

Variable 2

variable 3

variable 4





Road Map

- ▶ Audio visualizer
- ▶ Event visualizer
- ▶ Data timeline
- ▶ R integration
- ▶ Graphing
- ▶ Sequential/transition statistics



Integration with Databrary

- ▶ Common format for files, tags can be embedded to databrary
- ▶ Filtered through **LabNanny**
- ▶ Linked to videos, coding manuals, and other spreadsheets in **Databrary**
- ▶ Share within lab and among collaborators and colleagues