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 Data**vyu** to Share

◄ Within lab (record of what you did)

◄ With collaborators (similar studies different setups/codes/etc)

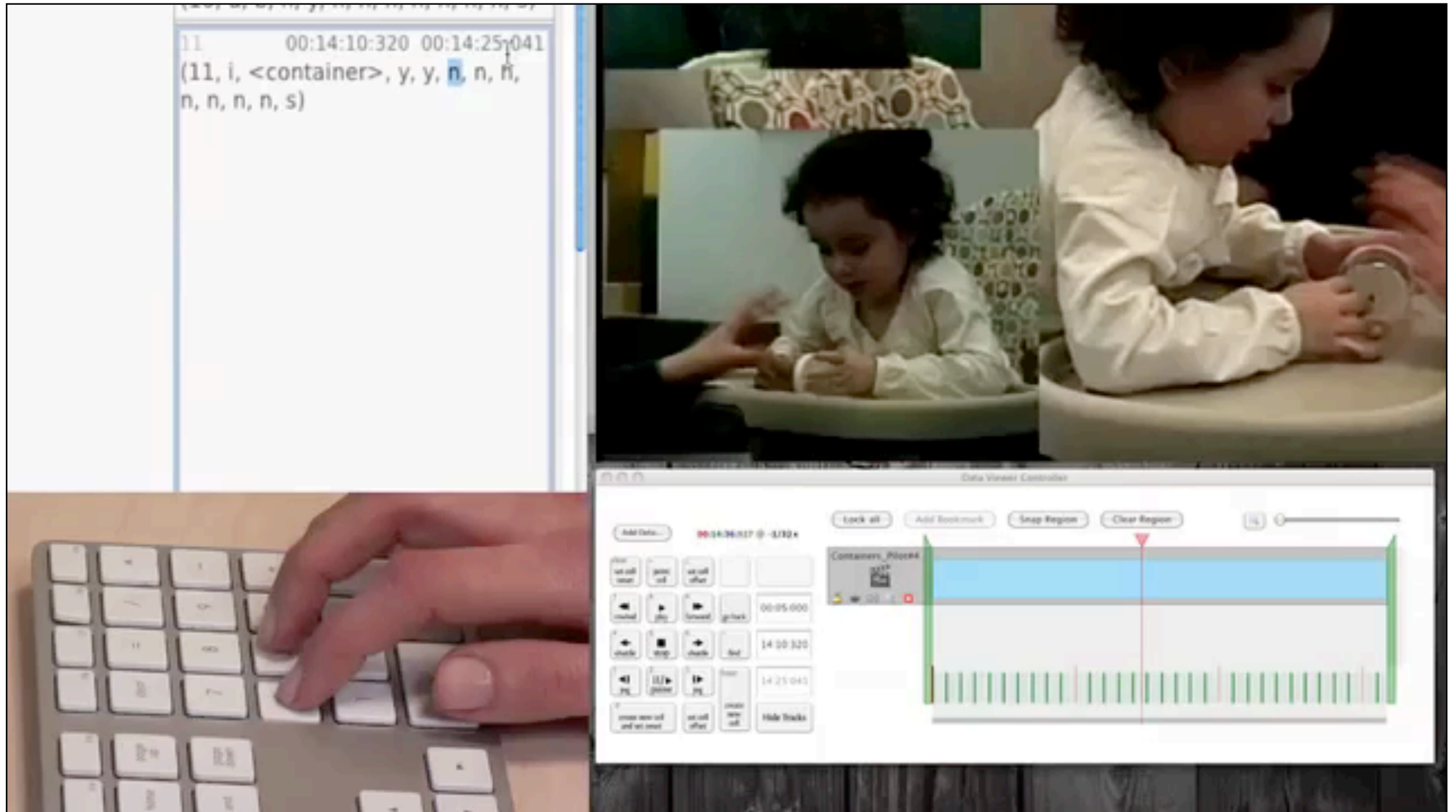◄ With colleagues (generate ideas, validity, build on existing work)

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

User Support

◄ User guides & tips will be up with first release

◄ Hands-on training workshops at NYU (and on the road!)

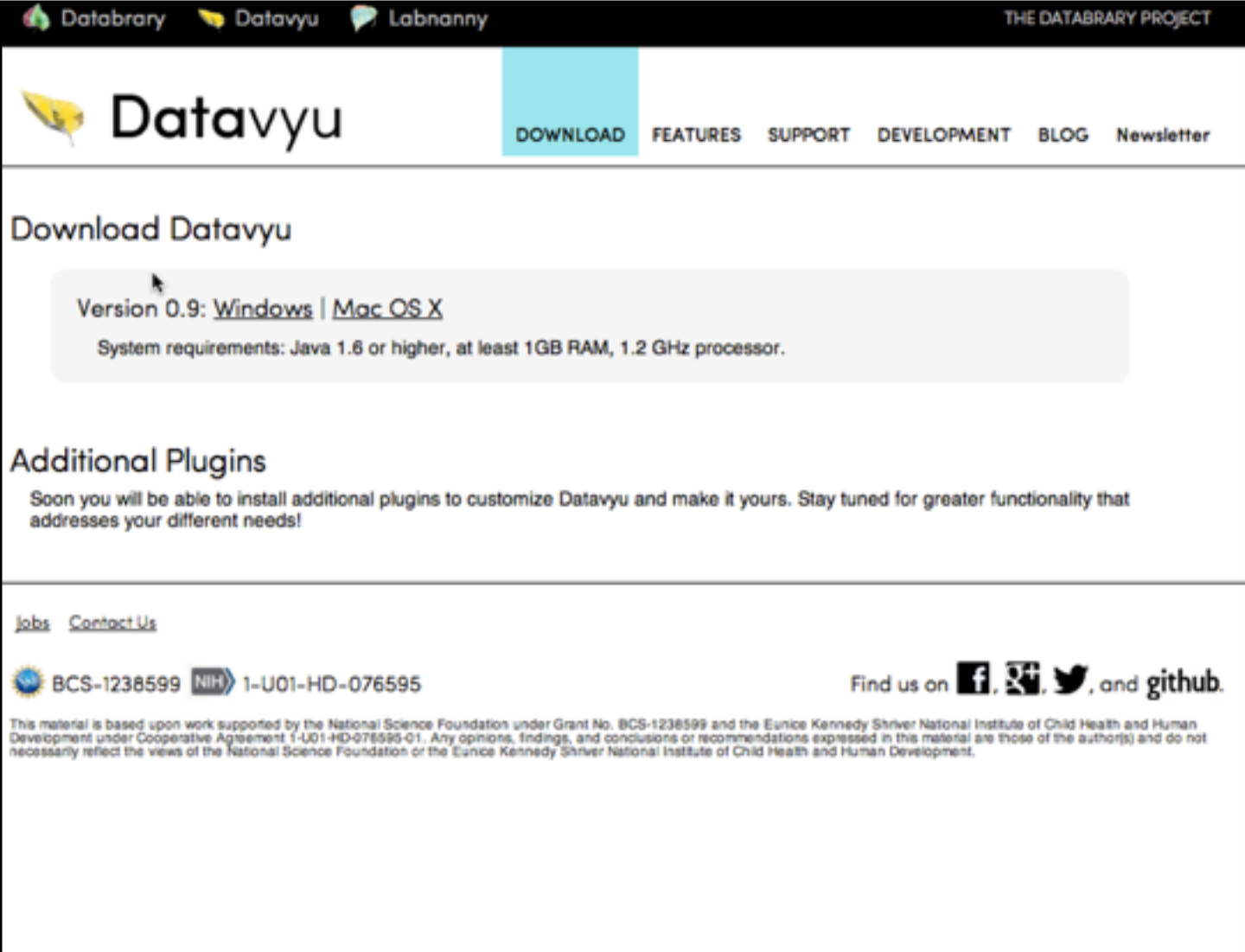◄ Coding basics, designing codes, scripting

Plugin Community

◄ Open Source

◄ Plugins for Exporting, Importing, Visualizing

Development in the Open Source Community

◀ Datavyu.org

– Builds

– Plugins

Development in the Open Source Community

◀ Datavyu.org

– Builds

– Plugins

◀ Github

– Allows rollbacks, forking, etc.

Current Plans

◄ Beta version released

◄ First major release

– Open source A/V

– Cross platform

– Fully packaged scripting library

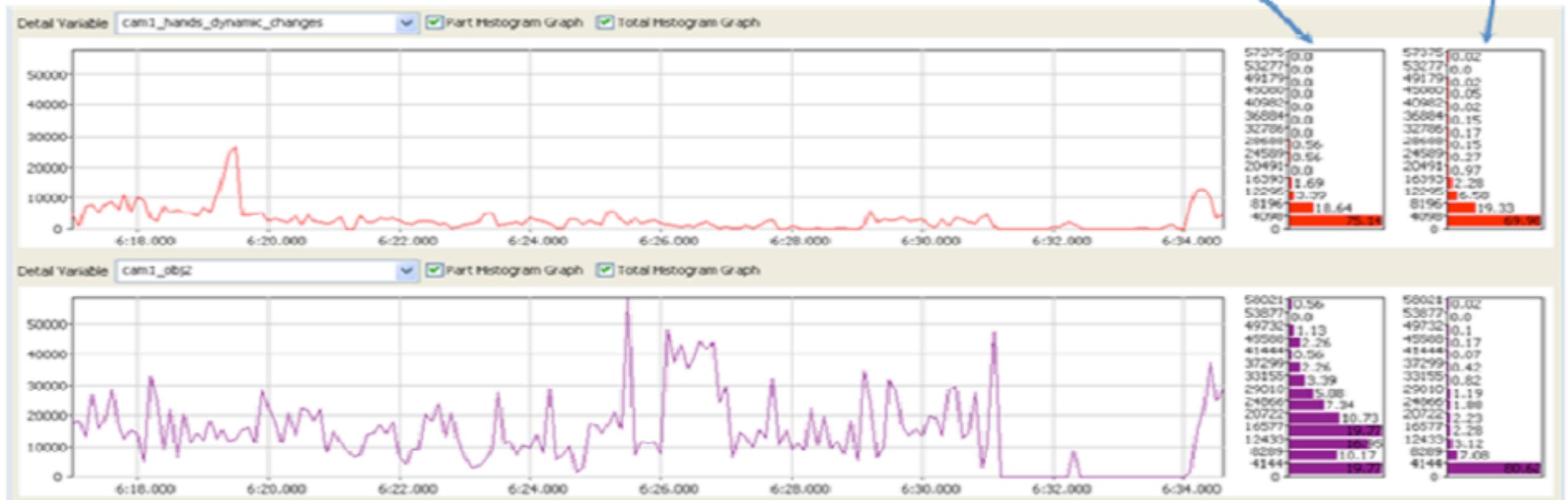◄ www.datavyu.org Blog for each release and what is upcoming

Road Map

◀ Audio waveform visualizer

Road Map
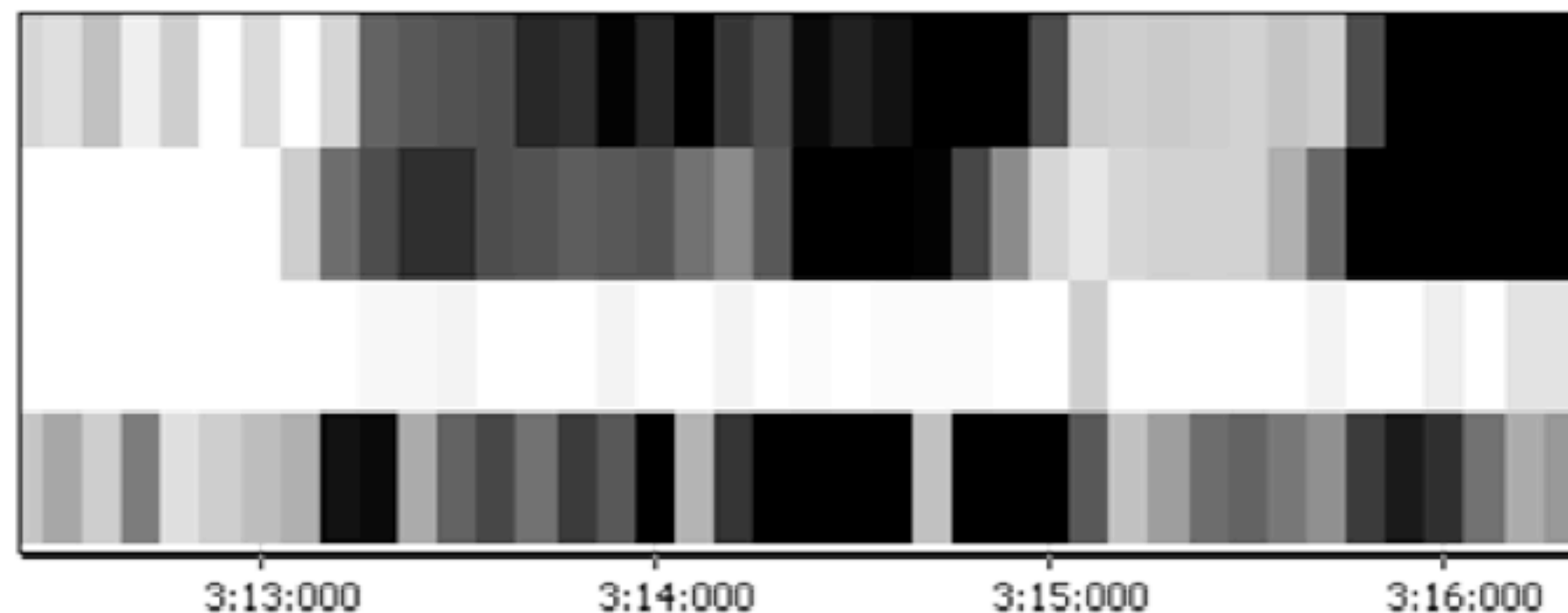
◄ Audio visualizer

◄ Event visualizer

Road Map

◄ Audio visualizer

◄ Event visualizer

◄ Data timeline

Road Map

◄ Audio visualizer

◄ Event visualizer

◄ Data timeline

◄ R integration

◄ Graphing

◄ Sequential/transition statistics

Integration with **Data**brary

- Common format for files, tags can be embedded to databrary

- Filtered through **Lab**Nanny

- Linked to videos, coding manuals, and other spreadsheets in **Data**brary

- Share within lab and among collaborators and colleagues