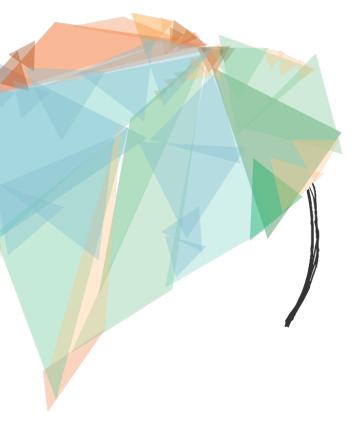




Sharing displays and data from vision science research with Databrary

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PROBLEM

The open sharing of data and workflows from scientific research has gained increasing attention in many fields and has become a priority for research funders. Databrary (databrary.org) is a digital data library specialized for storing and sharing video and research data and metadata. Vision scientists often present temporally varying visual displays to human or non-human animal observers and may collect gaze position, kinematic data, or other physiological recordings simultaneously. Some vision scientists collect identifiable video recordings of participants for use in off-line tagging or coding. Databrary may be especially well suited for these use cases because of the library's focus on uploading, organizing, storing, and sharing research data and metadata collected in the course of behavioral research. Databrary has developed policies that enable identifiable information to be shared with the permission of research participants.

PRIVACY & SECURITY

Videos may contain identifiable information such as faces, voices, and images of places. Databrary ensures that identifiable information can be shared in two ways:

Restricting Access: Only those with independent researcher status at an institution may be granted authorized investigator status. Applicants promise to uphold ethical principles and sign an access agreement, which must be co-signed by their institution.

Securing Permission to Share: Identifiable data may only be shared if participants have given permission. Databrary has developed a release template for obtaining informed consent for sharing identifiable data. The Databrary release template may be adapted for specific research protocols.

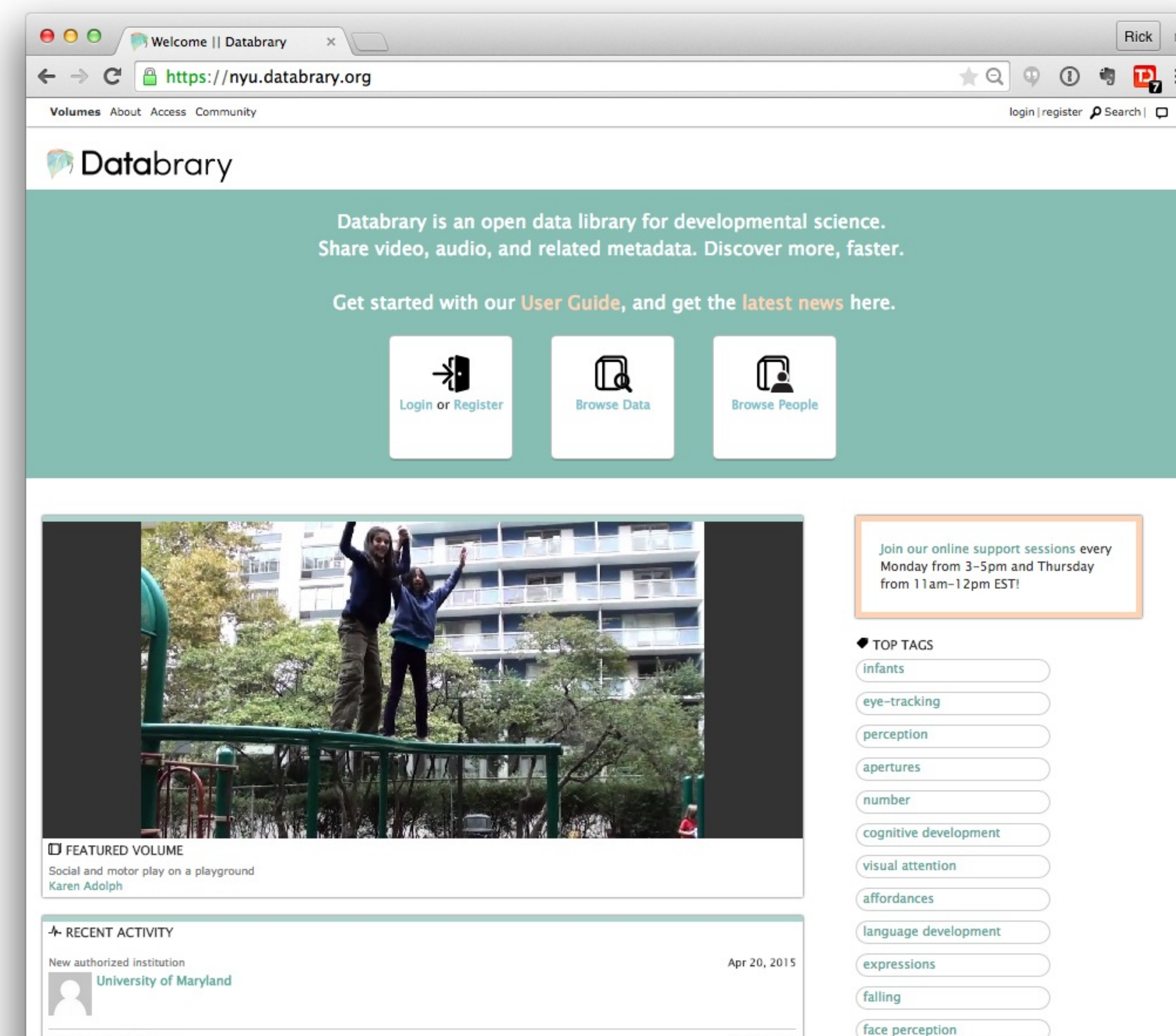
TECHNOLOGY STACK

Databrary is built on PostgreSQL using the Scala Play framework and AngularJS. Data are preserved indefinitely in a secure data storage facility at NYU. There is no cost to use the system; a sustainability model is under development. All code is GPL on GitHub.

ACKNOWLEDGMENTS

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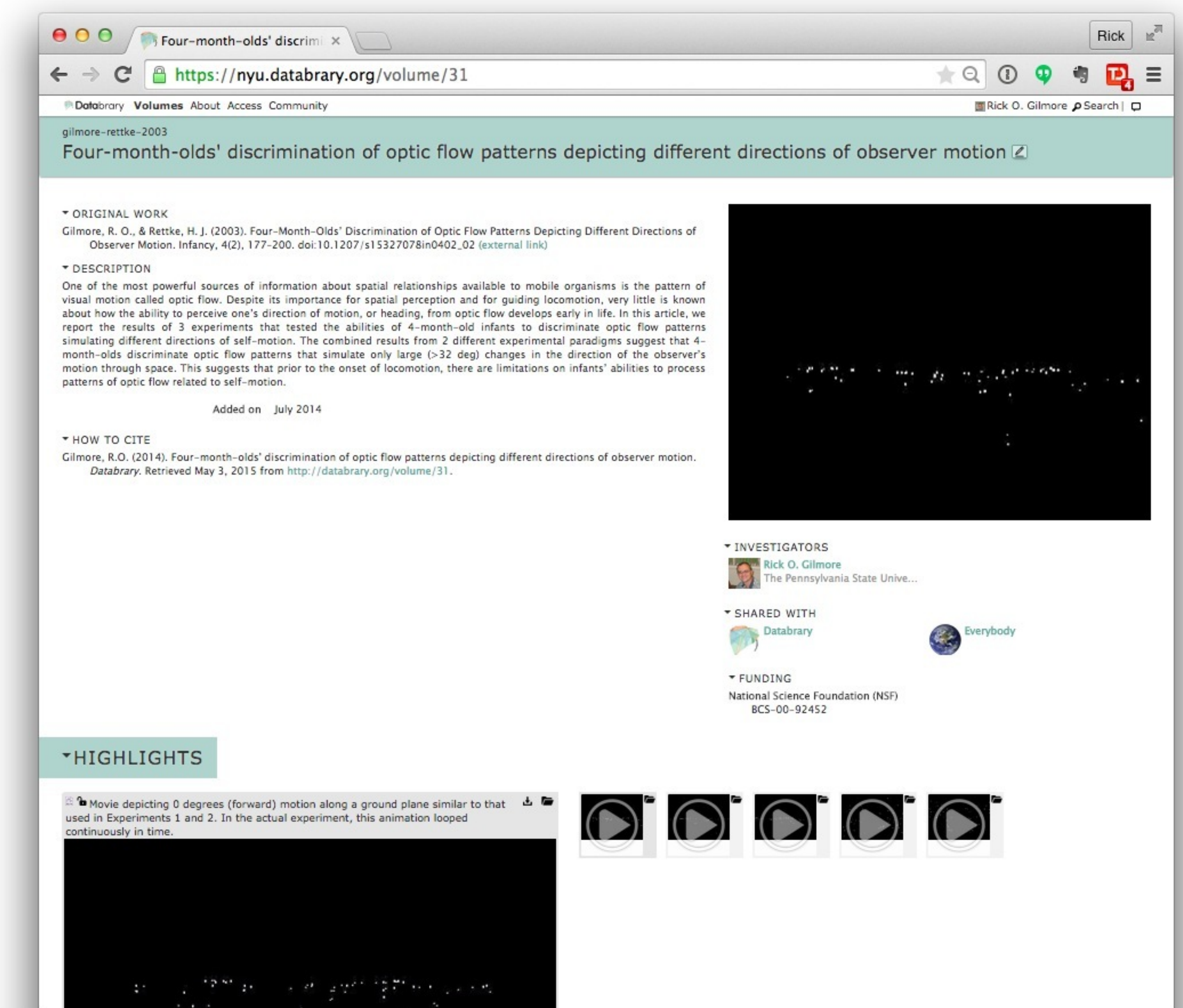
DATABRARY.ORG



SESSION-LEVEL DATA MANAGEMENT

session	test date	release	pilot	id	gender	participant	race	ethnicity	age	condition	group
2010-XX-XX	Q+	*	Included	1	Male	Asian		Not Hispanic or Latino	13.1 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*	Included	2	Male	Asian		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	3	Male	White		Not Hispanic or Latino	13.4 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*	Withdrawn/fussy/tired	4	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	5	Male	White		Not Hispanic or Latino	12.8 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*	Included	6	Female				12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Did not meet inclusion crite...	7	Male	White		Hispanic or Latino	12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	8	Male	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*	Included	9	Male	White		Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q	*	Did not meet inclusion crite...	10	Male	Asian		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	11	Male	Asian		Not Hispanic or Latino	13.1 mos	Eye tracking	Walker
2011-XX-XX	Q	*	Procedural/experimenter er...	12	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	13	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	14	Female	Asian		Not Hispanic or Latino	13.1 mos	Eye tracking	Crawler
2011-XX-XX	Q+	*	Did not meet inclusion crite...	15	Male	White		Not Hispanic or Latino	13.1 mos	Eye tracking	Walker
2011-XX-XX	Q	*	Included	16	Female	White		Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*	Included	17	Male	White		Not Hispanic or Latino	13.3 mos	Eye tracking	Walker

VOLUME/DATASET PAGE



TIMELINE

