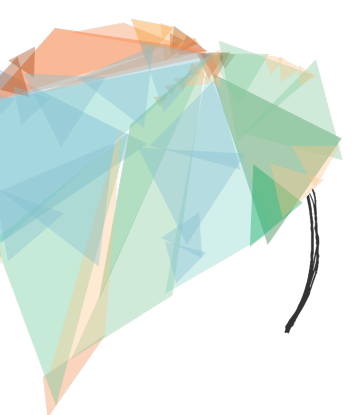




Sharing displays and data from vision science research with Databrary



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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 apply for authorization. Applicants promise to uphold ethical principles and sign an access agreement co-signed by the institution.

- **Securing Permission to Share**

Identifiable data may only be shared if participants have given permission. The Databrary release template may be adapted for specific research protocols.

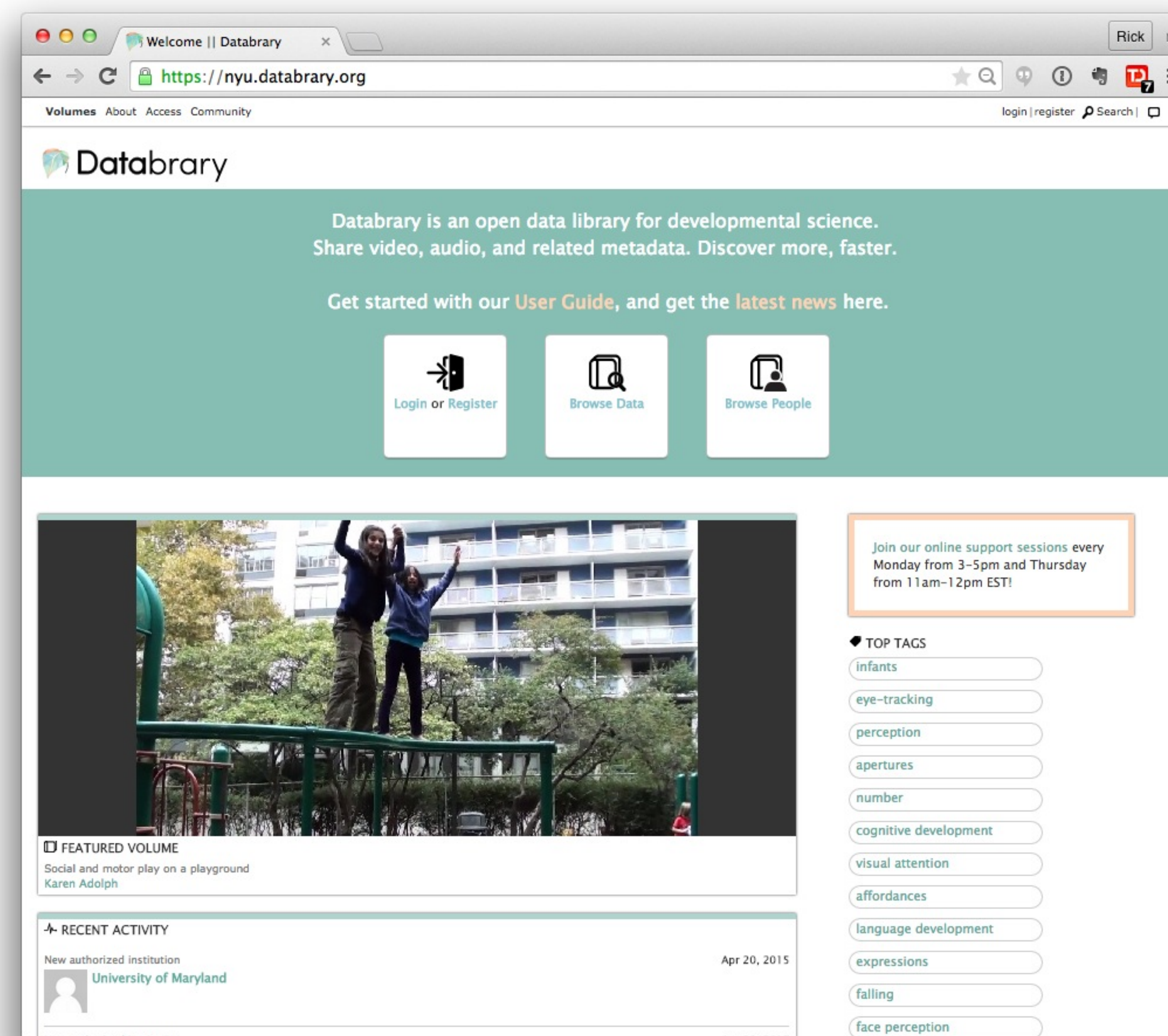
TECHNOLOGY STACK

Databrary is built on a PostgreSQL database using the Scala Play framework and JavaScript. Data are preserved indefinitely in a secure data storage facility at NYU managed by central IT. There is no cost to use the system; an institutional subscription model is under development. All code is hosted on GitHub.

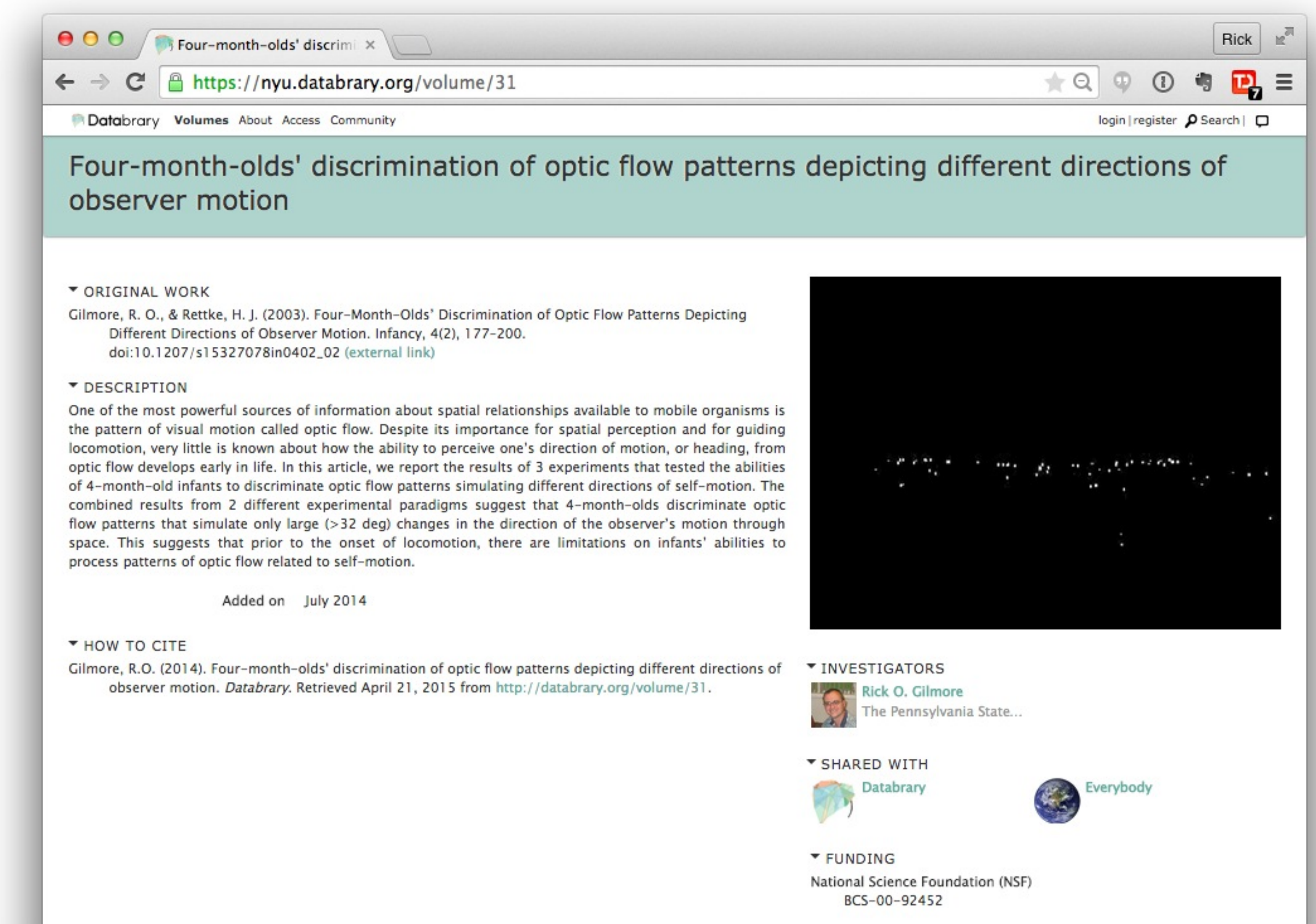
ACKNOWLEDGMENTS

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DATABRARY.ORG



VOLUME/DATASET PAGE



Each dataset or study has a page with summary, owner, funding, citation information, materials, and links to publications.

SESSION-LEVEL DATA MANAGEMENT

session	test date	release	pilot	exclusion reason	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	White	Not Hispanic or Latino	12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*		Did not meet inclusion criteria	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 criteria	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 error	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 criteria	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

TIMELINE

