

Open Source Software for Libraries

Summary of Public Comments

1990 HOUSE VOTE

Party Identification	1990 House Vote	Approve Clinton Economic Policy
1 Democrat	Democrat	No Answer
2 Democrat	Democrat	Approve
3 No response	Democrat	Strongly Approve
4 No response	Democrat	Strongly Approve
5 Republican	Democrat	Strongly Approve
6 Republican	Democrat	Strongly Approve
7 Democrat	Democrat	Strongly Disapprove

Bar chart and line graph showing survey results.

1990s AMERICAN NATIONAL ELECTION STUDY: 1996 PILOT STUDY (Summary)

Background

The 1996 Pilot Study focused on examining and improving the methodology used for future studies in the American National Election Studies series. The study provided an opportunity to test new instrumentation, have two measurements of core concepts, and to use two innovative survey methods. The 1996 Pilot Study was conducted in a laboratory setting at the University of California, San Diego. The first time a study was conducted during an election season. Three hypothetical administrative contexts in California, Illinois, and Georgia were used as a basis for testing instrumentation that can only be analyzed in the context of an electoral campaign and for determining how to improve the election study's capacity to illuminate the impact of campaigns. Among the concepts covered in the study were political interest, knowledge, ideology, efficacy, trust, mobilization, issue attitude/awareness, loyalty to actual campaign, campaign interest, participation in a campaign, media use, political attitudes, and political participation.

koha
Open Source Library System - Intranet
"Koha: a gift, donation or contribution"

- Catalogue Search

Type in the box and press the enter key.
[Advanced Search \(More options\)](#)
- Member Search

Type in the box and press the enter key.
- Acquisitions
- Accounts & Reports
- Circulation

See Also: [OPAC](#) || [Library Website](#)

HOME HELP PREFERENCE

search subjects titles a-z organisations home

Abstracts on Sustainable Agriculture 1992 GATE/GTZ

gtz

EXPAND TEXT EXPAND CONTENTS
DETACH NO HIGH-LIGHTING

- Abstracts on sustainable agriculture Gate- GTZ**
- Abstracts On Traditional Land-Use Systems
 - Abstracts on farming systems research and development
 - Abstracts on integrated systems
 - Abstracts on cropping system
 - Abstracts on agroecology
 - Abstracts on agrometeorology
 - Abstracts on agroforestry
 - Abstracts on homegardens
 - Abstracts on seed production
 - Abstracts on plant protection
 - Abstracts on water management
 - Abstracts on soil fertility
 - Abstracts on erosion and desertification control
 - Abstracts on potential crops for marginal lands

Micah Altman
Harvard University

Roadmap for this Talk

- ◆ What is “open source”?
- ◆ Why should we care whether a service is open source?
- ◆ What tools are available?

What is Open Source Software (OSS)

Open source is more than “free software”:

◆ Free redistribution

You are free to redistribute the software as you choose.

◆ Source code

Source code is available, to enable modification and inspection.

◆ Derived works

You are free to modify (and redistribute) the software

◆ Integrity of Authorship

You can retain authorship of your modifications

◆ No discrimination against persons, groups or use (including commercial use)

Why use OSS in Libraries?

◆ Preservation.

- The preservation of digital objects is currently intimately tied to software that presents those objects.
- Cannot effectively preserve closed-source software.

◆ Auditing and reliability

- Open source makes possible auditing for security, privacy
- Development history and breadth of usage surpasses home-grown systems

◆ Scholarly Standards

- Cataloging, Citation, Interchange, all based on open standards
- Open Infrastructure for an Open Academy
- Build knowledge through dissemination of information

◆ Public Good

- Circle-of-gifts
- The library community has a history of cooperation and sharing. Open source allows the work of others to benefit everyone

Costs of OSS

◆ Cost Advantages

- No licensing fees, upgrade fees
- Generally not tied to proprietary hardware
- Support is available from multiple sources
- Availability of contractors to extend/customize

◆ Limitations

- Often not as user-friendly to setup and administer, may require more systems administration time
- End-user products tend to have less rich GUI's. May require more user-interface customization

OSS for Libraries: Complete Solutions

◆ Complete Solutions

- GIST
- Greenstone
- Jake
- Koha
- RIB
- Sitemsearch
- VDC

◆ Specialized Technologies

Greenstone

A complete package for creating, managing, and distributing collections of documents.

<http://Greenstone.org>

FEATURES

- ◆ Browsing
- ◆ Full-text and fielded searching
- ◆ Web or CD-ROM based
- ◆ Document delivery
- ◆ Can run under Windows/Unix
- ◆ Multilingual Support

The screenshot displays the Greenstone web interface. At the top, there are navigation links: HOME, HELP, PREFERENCES, search, subjects, titles a-z, organisations, and how to. The main content area shows a search result for 'Abstracts on Sustainable Agriculture 1992 GATE/GTZ'. Below the title is a list of 15 abstract topics, each with a checkbox. The topics include: Abstracts On Traditional Land-Use Systems, Abstracts on farming systems research and development, Abstracts on integrated systems, Abstracts on cropping system, Abstracts on agroecology, Abstracts on agrometeorology, Abstracts on agroforestry, Abstracts on homegardens, Abstracts on seed production, Abstracts on plant protection, Abstracts on water management, Abstracts on soil fertility, Abstracts on erosion and desertification control, and Abstracts on potential crops for marginal lands. At the bottom of the search result box, there are four buttons: EXPAND TEXT, EXPAND CONTENTS, DETACH, and NO HIGH-LIGHTING.

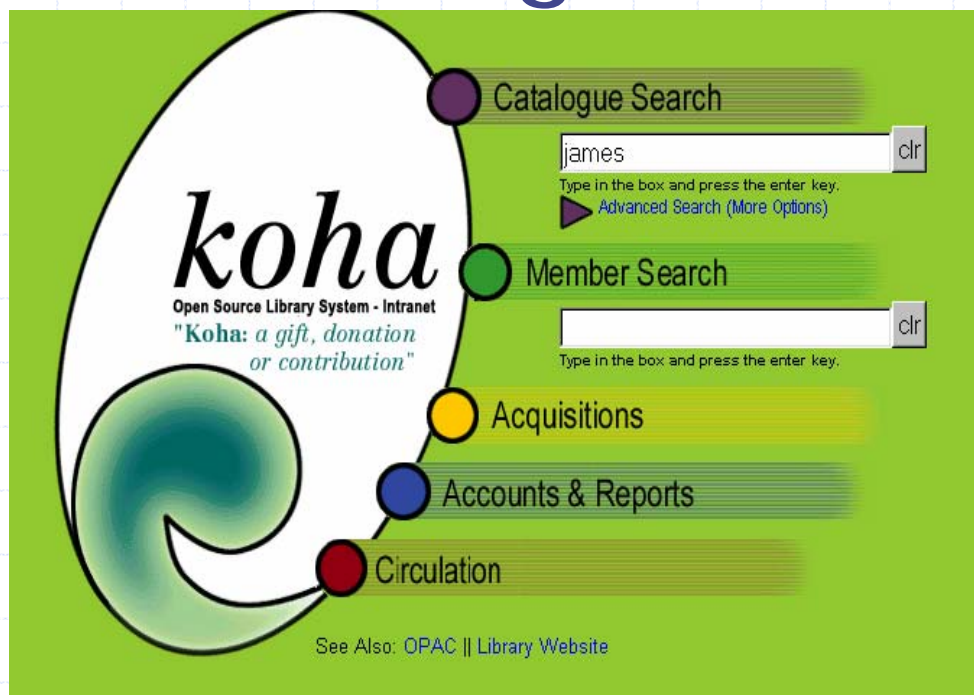
Koha

A full catalogue, opac, circulation and acquisitions system.

<http://www.koha.org/>

FEATURES

- ◆ Catalog search
- ◆ Circulation management
- ◆ Acquisition management
- ◆ Reporting



Repository in a Box (RIB)

A toolkit for repositories of metadata

<http://www.nhse.org/RIB>

FEATURES

- ◆ Navigation
 - Searching
 - Browsing
- ◆ Object management.
 - Document Download
- ◆ Metadata Management
 - BIDM/NHSE Metadata model
 - Allows multiple repository to share metadata

NHSE
National HPC
Software Exchange

Catalog | [Search](#) | [What's New?](#)

Table of Contents

- [Benchmark and Example Programs](#) (57)
- [Data Analysis and Visualization](#) (22)
- [Distributed Processing Tools](#) (27)
- [Numerical Programs and Routines](#) (80)
- [Parallel Processing Tools](#) (116)
- [Scientific and Engineering Applications](#)

[About NHSE](#)

Active Messages

Abstract

With recent advances in local area networks, networks of workstations differ from massively parallel processors primarily in packaging, cost and software emphasis. The key open architectural question is the nature of the network interface or communication architecture: its hardware organization and logical abstraction as a basis for communication. Active Messages represent a RISC approach to communication, providing simple primitives, rather than solutions, which expose the full hardware performance to higher layers. Active Messages are intended to serve as a substrate for building libraries that provide higher-level communication abstractions and for generating communication code from a parallel-language compiler, rather than for direct use by programmers.

Contact Us
[David Cutler](#)

Date Of Information
Thu Mar 27 16:10:03 1997

Repository Name	Update Interval	Last Attempt
BenchWeb	12 hours	1999/12/10 at 18:00 (completed)
HPC-Netlib	12 hours	1999/12/10 at 18:00 (completed)
NHSE - Auxillary	12 hours	1999/12/10 at 18:00 (completed)
PTLib	12 hours	1999/12/10 at 18:00 (completed)

- List objects from interoperation
- View last update log
- Start an update
- Delete
- Set update interval

Sitesearch

manages distributed library metadata resources using WWW and Z39.50

<http://www.sitesearch.oclc.org>

FEATURES

- ◆ Cross-catalog searching over www and z39.50 sources
- ◆ Z39.50 Client/Server
- ◆ Web server
- ◆ Hooks for ILL and document delivery services
- ◆ Search history and result set handling
- ◆ MARC support

OCLC SITESEARCH

Home New Search History Help Exit

Do a QuickSearch

Search for Articles Books Web go!

or Select a Topic Area to Search

or Select an Individual Database to Search

Articles	ABI/INFORM	Endeavor Opac	NOTIS OPAC
Books	Academic Index	ERIC	OCLC Union Lists of Periodicals
Web	Acxiom Biz	GEAC Advance Opac	PapersFirst
General	Acxiom Home	Gov. Print. Off. ERL	PsycFIRST
Human Affairs	Applied Science and Technology Abstracts	Horizon Opac	RILM
Culture	ArticleFirst	Innovative OPAC	RLG Zephyr
Science & Technology	Arts & Humanities Search	INSPEC	Sirsi Opac
Medicine	BasicBIOSIS	Library Ref Cntr-EBSCO	Social Sciences Abstracts
Phone Books	ContentsFirst	MEDLINE	WorldCat
Virtual Catalog	DRA Classic OPAC	Medline - Ovid	
	DRA MultiLIS OPAC	NetFirst	

Create New Topic

DESTINATION

The Library of CONGRESS

INT@LLICAST

The Beat

MAPQUEST

ART IMAGEBASE

NATIONAL LIBRARY OF MEDICINE

NPR

PBS

Merriam Webster

Virtual Data Center (VDC)

A complete digital library in a box
for social-science data

<http://TheData.ORG>

- ◆ Study preparation tools.
 - Universal naming
 - Data conversion tools
 - Metadata entry
- ◆ Study management.
 - File-system independent storage
 - Archival formatting
 - Search and retrieval
- ◆ Dissemination
 - On-line delivery
 - Extract/subset generation
 - Format Conversion (SAS, SPSS, DDI, STATA)
 - Exploratory data analysis (multi-way crosstabs, descriptive stats)
- ◆ Interoperability.
 - MARC and DDI metadata import and export
 - OpenArchives and Z39.50 query protocol support
- ◆ Distributed and federated operation.
 - Location-independent naming
 - Distributed components
 - Distributed virtual collections
 - Federated metadata harvesting
 - Repository exchange and caching
 - Federated authentication and authorization

VDC Screenshots

Harvard MIT Data Center

Harvard MIT Data Center

Available Collections:

- ICPSR Collection**
Data available from the Inter-University Consortium of Political and Social Research (ICPSR).
- Entire Contents**
All holdings of the Harvard-MIT Data Center, including those listed in other collections on this site.
- MRC Student Data**
Test of the MRC data in the development platform.

Site Description:

The Harvard-MIT Data Center is the principal distributor of quantitative social science data at [Harvard University](#) and the [Massachusetts Institute of Technology](#). It serves as the universities' official representative to the [Inter-University Consortium for Political and Social Research \(ICPSR\)](#); as a representative (and/or repository) to [Roper Center for Public Opinion Research](#) (searchable through Lexis-Nexis), and the [National Center for Health Statistics \(NCHS\)](#); provides access to [Murray Center student datasets](#), [Social Sciences Program Data](#); [HMDC's Guide to Census Microdata](#) and is a central contact point for many other archives and data suppliers. We maintain a large library of electronic data from all these sources, a growing collection of unique data sets, and an extensive codebook library. . (Our current site is in beta-testing now, please report any bugs.)

Harvard MIT Data Center > ICPSR Collection > Advanced Search

Advanced Search

Searching results 1 through 6 of 6 total hits.

Sort results by **Author** or **Title**
Number of Records per Page: **15**

American Citizen Participation Study, 1990
Author: Verba, Sidney, Kay Lehman Schlotzman, Henry E. Brady, and Norman Nie.

U.S. Culture Study, 1993-1995
Author: Aronson, Gabriel, and Sidney Verba.

Political Participation and Equality in Seven Nations, 1966-1971
Author: Verba, Sidney, Norman H. Nie, and Jae-On Koo.

Political Participation in America, 1967
Author: Verba, Sidney, Richard Brody, et al.

Public Opinion and the War in Vietnam Study, 1966
Author: Verba, Sidney, Richard Brody, et al.

Social and Political Attitudes of the American Labor Force: A Comparative Study of Unemployed and Employed Workers, 1976
Author: Scholzman, Kay Lehman, and Sidney Verba.

Find studies with all terms:
author: []
title: []
all fields: []
ICPSR Study ID: []
or enter:
complex query: []
Example: (author = kings) and (any=united states) or (title=elect)

You can use this form to build a complex query. **Add Search Terms**

AND [] (AUTHOR) [] (as phrase) []
AND [] (AUTHOR) [] (as phrase) []
AND [] (AUTHOR) [] (as phrase) []

Description:

Harvard MIT Data Center > ICPSR Collection > Advanced Search > American Citizen Particip...

Study Description

Title: American Citizen Participation Study, 1990
IDN: 6635
Author: Verba, Sidney, Kay Lehman Schlotzman, Henry E. Brady, and Norman Nie.

Abstract: This study was designed to examine political and nonpolitical civic participation in the United States. Respondents were asked to comment on various topics, including their interest in politics and their party identification, voting status, and activity in community politics. In addition, respondents were asked about their campaign activities, including the kind of work they had done, and how much money and time they had contributed to campaigns for various elections. Respondents also provided information about their own personal experiences with government programs, as well as their opinions on national and social problems in the United States and why people in the United States aren't more active in politics. Demographic variables measured in this study include respondent's educational background, occupation, church activity and religious affiliation, race and ethnicity, age, gender, and union membership.

Subsetting and Statistical Analysis

Explorable Data	Case Qty	Var Qty	Description
06635_0001.zab	2517	1024	1. Main Data File Subst/Statlist

ASCII Codebook

06635.txt 1. Main Data File

ASCII Frequencies file

06635.txt 2. Frequencies

Data file

06635.dat 1. Main Data File

SAS data Definition Statements

06635.sas 3. SAS Data Definition Statements

SPSS Data Definition Statements

06635.spd 1. Main Data File

SPSS Export File

06635_export.por 4. SPSS Export File

Download Checked Files

Harvard MIT Data Center > ICPSR Collection

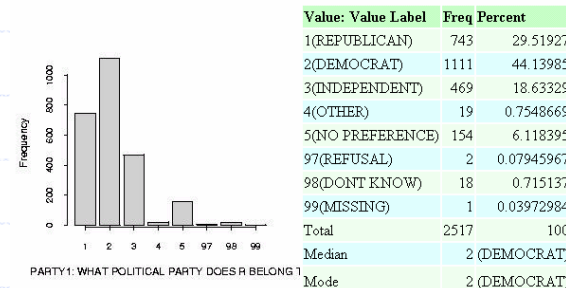
ICPSR Collection

Options for viewing collection content:

- Search**
 - Simple Search performs a boolean AND search across all fields.
- Advanced Search**
 - Provides a tag specific search form for the collection.
- Author List**
 - Provides an alphabetical list of authors.
- Subject Outline**
 - Provides ICPSR subject classification information
- Recently Added**
 - Documents Added to the VDC since a particular date.

Collection Description:

Data available from the Inter-University Consortium of Political and Social Research (ICPSR).
Access may be restricted to certain materials. Information concerning access to restricted materials is available [here](#).



Cross-tabulation between:

row variable
CWSEX(campaign work: party ticket)
CWPARTY(campaign work: candidate political party)
CWSEX(campaign work: candidate a man or woman)

column variable
CWBLACK(campaign work: candidate race)

Overall table

CWSEX	CWPARTY	CWSEX	CWBLACK					%	
			(0)	(1)	(2)	(4)	(6)		
DEMOCRATIC (0)	DEMOCRATIC (0)	MAN (0)		0	0	0		0	0
		WOMAN (0)		0	0	0		0	0
		MISSING (0)		0	0	0		0	0
		NA		0	0	0		0	0
	REPUBLICAN (0)	MAN (0)		0	0	0		0	0
		WOMAN (0)		0	0	0		0	0
		MISSING							

OSS For Libraries: Specialized Tools

◆ Specialized library technologies:

- Examples: Z39.50, MARC, Ariel
- Specialized database management: Citation Manager, Jake
- Meta-site, open source for libraries: <http://www.oss4lib.org/projects/>
- Meta-site, open source for data analysis and manipulation: http://data.fas.harvard.edu/micah_altman/socsci.shtml
- Meta-site, search tools: <http://www.searchtools.com/tools/tools-opensource.html>
- OCLC, searching/harvesting: <http://www.oclc.org/research/software/>

◆ Other specialized technologies

- Web indexers: Swish, Harvest
- XML Indices: DbXML, (Apache) Xindice, Cheshire
- Web Servers and Frameworks: Apache (Mod_survey, Mod_dav, mod_layout), PHP, Zope, GIST (www.apache.org, www.zope.org)
- Databases: PostgreSQL, Mysql
- GIS: OpenMap, Grass [see www.freegis.org]
- Portal builders: slash, jetspeed imesh (pre-release?), internet scout (pre-release?)
- Open source meta sites:
 - ◆ www.sourceforge.net
 - ◆ www.freshmeat.net
 - ◆ www.gnu.org
 - ◆ Slashdot.org (discussion of software and related topics)

Probing Further

- ◆ Raymond, Eric, & Bob Young, 1999. *Cathedral and the Bazaar*, O'Reilly and Sons.
- ◆ Frumkin, Jeremy (ED) 2002, "Special Issue: Open Source Software" *Information Technology and Libraries* 21(1)
<http://www.lita.org/ital/ital2101.html>
- ◆ Open Source Systems for Libraries, WEBSITE,
<<http://www.oss4lib.org>>
- ◆ Open Source Digital Library Links
<<http://thedata.org/>>

Appendix: Licensing

◆ Strong verses weak licenses:

■ Weak: Public Domain

- ◆ Not really open source.
- ◆ Anyone can use for any purpose, including building closed source products.

■ **STRONG:** Gnu Public License:

- ◆ License applies to all derivative works
- ◆ License prohibits incorporation of code into closed-source products

◆ Combining licenses.

- Distribution. If you write a program, you can distribute a version of your software under multiple licenses.
- Code under some licenses cannot be combined with other code.