Search plugin – a sprinkle in Archonnex Donut !!!
Search UI Challenges @ ICPSR

- Supports multiple National Agencies and Archives.
- Unique web sites with custom data and style specifications.
- Search runs against a central Solr index.
- Used to provide search suggestions querying against central index and caused heavy performance issues, so turned off now.
- Spaghetti code with custom if-else code.
Data Sharing for Demographic Research

Our Mission
We are a data sharing project for the demography and population sciences community. As part of our mission, we serve all population centers, but in particular, we provide data curation and archiving services for the NICHD-funded population centers.

Initiatives
- Genomic Data and Biomarkers
- Deductive Disclosure Risk
- Data Harmonization

Deposit Data

News
- New India Human Development Survey-II (IHDS-II), 2011-2012 Files Available for Analysis
- Postdoc Opportunity – India Human Development Survey (IHDS)
- Add Health Ranked ICPSR's Top Downloaded Study
- NIH Announces Funding Opportunity through NICHD: Archiving and Documenting Child Health and Human Development Data Sets (R03)
- DSDR to Exhibit at 2016 Population Association of America Annual Meeting

Subscribe to DSDR News
About NAHDAP

The National Addiction & HIV Data Archive Program acquires, preserves and disseminates data relevant to drug addiction and HIV research. The scope of the data housed at NAHDAP covers a wide range of legal and illicit drugs (alcohol, tobacco, marijuana, cocaine, synthetic drugs, and others) and the trajectories, patterns, and consequences of drug use as well as related predictors and outcomes. By preserving and making available an easily accessible library of electronic data on drug addiction and HIV infection in the United States, NAHDAP offers scholars the opportunity to conduct secondary analysis on major issues of social and behavioral sciences and public policy.

The research community benefits when researchers can use data from original research projects to test conclusions - verifying, refining, or refuting published findings. Sharing data through NAHDAP fosters the development and testing of new conclusions, as data collected for one purpose can be used to pursue inquiries not addressed by the original investigators.
NADHAP Search

National Addiction & HIV Data Archive Program

Search Results

Use the search box below to revise your search, or start a new search.

Sort by: Title A-Z

   Salz, Richard, Samet, Jeffrey H.

2. Adolescent Substance Abuse Prevention Study (ASAPS), 2001-2006 [Detroit, Houston, Los Angeles, Newark, New Orleans, St. Louis] (ICPSR 28641)
   Skobida, Zhi

   Musheno, Michael C.

4. Alameda County (California) Health and Ways of Living Study, 1974 Panel (ICPSR 6838)
   Kaplan, George A.

   Kaplan, George A.

6. Alameda County (California) Health and Ways of Living Study, 1999 Panel (ICPSR 4432)
   Kaplan, George A.
Search Plugin by Archonnex

- Supports Apache Solr Index
- UI is an embeddable plugin.
- Configurable for the tenant.
- Code is linked and not duplicated.
- Adapts to bootstrap theming within each site.
- Simply JavaScript and CSS.
- Self learning search suggestion feature.
- Block words from suggestions.
How it works?

- Create your html page, let us call it search.html
- Link plugin JavaScript files & style sheet
- Create a configuration variable JSON
- Render the plugin.
- Search UI is ready !!!
<!– JQuery and Suggest.css -->
<link href="${searchServerUrl}/resources/css/jquery-ui.min.css" rel="stylesheet">
<link href="${searchServerUrl}/resources/css/suggest.css" rel="stylesheet">

<script src="${searchServerUrl}/resources/js/jquery-ui.min.js"></script>

<!– React JS -->
<script src="${searchServerUrl}/resources/js/react-0.14.7/react.js"></script>
<script src="${searchServerUrl}/resources/js/react-0.14.7/react-dom.js"></script>

<!– Search UI Plugin JS file -->
<script src="${searchServerUrl}/resources/js/app/search.js"></script>
var searchConfig = {
    searchServerUrl : "${searchServerUrl}",
    contentField : 'SUMMARY',
    studyIdField : 'STUDY',
    studyTitleField : 'TITLE',
    studyOwnerField : 'OWNER',
    studyAuthorsField : 'AUTHOR',
    studyDateUpdatedField : 'DATEUPDATED',
    studyCitationCountField : 'NUMCITATIONS',
    owner : 'openicpsr',
    facetFields : [
        {
            title : 'Keywords',
            field : 'KEYWORD_FACET'
        },
        {
            title : 'Geography',
            field : 'GEOGRAPHY_FACET'
        },
        {
            title : 'Type of Analysis',
            field : 'DATAKIND_FACET'
        },
        {
            title : 'Data Format',
            field : 'FORMAT_FACET'
        },
        {
            title : 'Archive',
            field : 'ARCHIVE_FACET'
        }
    ],
    recordsPerPageOptions: [ 25, 50, 100 ],
    buildStudyUrl : function(val) {
        var studyUrl = 'http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/' + val.STUDY;
        if (val.REPOSITORY && val.REPOSITORY == 'openicpsr') { studyUrl = 'https://staging.openicpsr.org/repoEntity/show/' + val.STUDY.replace('repo', ''); } 
        return studyUrl;
    }
};
<!– Bootstrap Container -->
<div class="container-fluid">
  <div id="search"></div>
</div>

<!– React render element -->
ReactDOM.render(React.createElement(SearchPage), document.getElementById("search"));
Study Search Results

10210 results.

Search – default

Study Title/Investigator
United States Department of Commerce. Bureau of the Census
Summary File 4 (SF 4) from the United States 2000 Census contains the sample data, which is the information compiled from the questions asked of a sample of all people and housing units. Population items include basic population totals: urban and rural, household and families, marital status, grandparents as caregivers, language and ability to speak English, ancestry, place of birth, citizenship status, year of entry, migration, place of work. [more]

2. Census of Population and Housing, 2000 [United States]: Summary File 4, California (ICPSR 13516)
United States Department of Commerce. Bureau of the Census
Summary File 4 (SF 4) from the United States 2000 Census contains the sample data, which is the information compiled from the questions asked of a sample of all people and housing units. Population items include basic population totals: urban and rural, household and families, marital status, grandparents as caregivers, language and ability to speak English, ancestry, place of birth, citizenship status, year of entry, migration, place of work. [more]

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Autosuggest Keywords

- Keywords are standardized within ICPSR.
- System learns new search words if they yield results.
- User is presented with both words from standard dictionary and system learned words.
- Approximate hit count informs user to make smarter searches.
- Search suggestion handled by ElasticSearch and avoids loading central search index in Solr.
- Management screen to register keywords that are blocked.
Auto suggest sample
UI Technology

- ReactJS is developed by Facebook.
- Just the V in the MVC (Model, View, Controller).
- Uses a virtual DOM and computes changes efficiently and applies to HTML DOM
- Implements one-way reactive data flow.
- JSX is easy for web designers, mix of XML and JS that looks like HTML.
- OO concepts like input properties and internal state.
- Allows modular components allowing composition of larger components.
OpenICPSR scheduled to be released by Jul/2016.
Q&A
Thank You

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